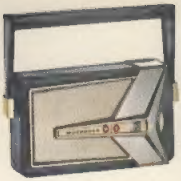
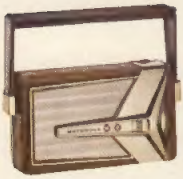
Powerful Transistor Radios



(A) Motorola

(B) Motorola



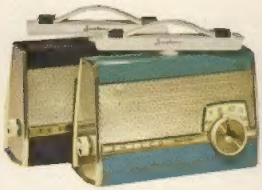
(C) Motorola

(D) Motorola

(E) Philco

(F) Philco

(G) Philco



(H) Philco

(J) Philco

(K) Arvin

(L) Westinghouse

(M) RCA

(N) General Electric

(P) Westinghouse

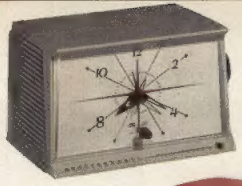
(Q) Roland "Duet"

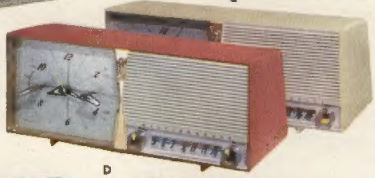
(R) RCA

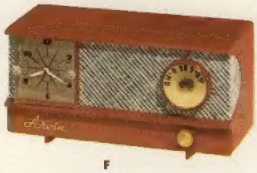
(S) Arvin

(T) Westinghouse

(U) Philco







Wake Up to Music with an Automatic Clock Radio

(A) PHILCO CLOCK RADIO. Separate buttons for each control. Has lullaway circuit and big luminous hands. Modern, slender styling—6¼" high, 12⅜" wide and 4⅝" deep. New "Clip-In" chassis with 4 tubes plus rectifier, printed circuit, calibrated volume control. 4" speaker and built-in loop antenna. Wt. 6 lbs.

77G29X2917 Ivory ..... Retail **39.95**
77G30X2917 Aqua ..... Retail **39.95**

(B) WESTINGHOUSE CLOCK RADIO. New, exclusive electronic alarm tone wakes you up at the time you set, or wakes you up to music. Printed circuit radio chassis with 4 tubes including rectifier. 4" Alnico V speaker. AC. 6⅛" high, 8⅞" wide, 5⅛" deep. Wt. 5 lbs.

90G125X1926 Champagne ..... Retail **24.95**
90G126X1926 Coral ..... Retail **24.95**

(C) WESTINGHOUSE CLOCK RADIO. New "All-Around" cabinet design with appliance outlet. Clock has slumber switch, "wake-up-to-music", buzzer, and doze controls . . . lets buzzer resound up to five times. Luminous hands and illuminated dial. 5 tubes including rectifier. 4" Alnico V speaker. 6" x 4½" x 5½". Wt. 10 lbs.

90G127X3053 Mocha ..... Retail **42.95**
90G128X3053 Turquoise ..... Retail **42.95**

(D) WESTINGHOUSE CLOCK RADIO. "All Around" design molded cabinet houses 6-tube-including-rectifier radio chassis plus luminous-hand clock that lulls you to sleep, wakes you to music, turns appliances on and off automatically. Doze controls provide wake-up buzzer. 6x14⅞x5½". Wt. 10 lbs.

90G129X3449 Coral/white ..... Retail **49.95**
90G130X3449 Ivory/white ..... Retail **49.95**

(E) ARVIN CLOCK RADIO. Has the new, slim-trim look—even the back is enclosed in plastic. Full-feature clock with automatic "on", "alarm", slumber switch, and doze alarm that repeats every 10 minutes until shut off. Luminous clock hands. 5 tubes including rectifier. 1100-watt appliance outlet. Overall dimensions: 13⅜" long, 6⅜" wide, 4¾" deep. 6½ lbs.

72G8X2916 Turquoise ..... Retail **39.95**

(F) DELUXE ARVIN CLOCK RADIO. Lulls you to sleep at night—wakes you to music in the morning . . . can even start your morning coffee with its 1100-watt appliance outlet and accurate clock timer. 5 tubes including rectifier. All automatic operation. Alnico V speaker. Overall dimensions: 12¼x 5½x5½". Wt. 4½ lbs.

72G10X2656 Flame ..... Retail **34.95**

G. E. CLOCK RADIO. Self-starting electric clock with luminous hands for easy night-time viewing. 4 tubes plus rectifier. Has Dynapower speaker, built-in antenna. Phono jack, slumber switch, plus controlled appliance outlet that has your coffee ready by the time you awake. "Snooz" alarm rings 5 times. 12⅞x6¾x6⅛". Wt. 7½ lbs.

17G80X2836 Ivory ..... Retail **39.95**

G. E. CLOCK RADIO. Slumber switch, buzzer alarm, full-cabinet back, lever-type controls, and luminous hands. Efficient GE clock. Built-in antenna, Dynapower speaker for excellent reception and reproduction. 4 tubes plus rectifier. Lets you go to sleep to music and automatically shuts off. 105-120 volts, AC. Plastic cabinet 11¼x6½x 4⅞". 6 lbs.

17G82X2216 Grey/white ..... Retail **29.95**

RCA CLOCK RADIO. "The Palomar" model. Convenient lever controls let you go to sleep and wake up to music . . . in RCA's "Golden Throat" tones. Luminous clock hands for easy dark-room viewing. Illuminated radio dial. 4 tubes plus rectifier. Standard band "conelrad" marked. Overall cabinet dimensions: 5⅛" high, 13" long, 5½" deep. AC. Wt. 8 lbs.

80G7X2810 Turquoise ..... Retail **34.95**

newly designed table radios that reflect the sleek, modern look

Deluxe Table Model Radios–Your Choice of Famous Makes

(A) PHILCO AM-FM TABLE RADIO. Handsome wood cabinet. Separate AM and FM slide-rule tuning dial . . . completely variable tone control. 7 tubes plus selenium rectifier; printed circuitry; 5¼" speaker; FM line cord; built-in AM loops. Grounded grid RF stage; limiter and discriminator detector; shielded high-frequency unit. Overall 10½" x16¼"x7⅞". Wt. 22 lbs.
77G42X6450 Mahogany .....Retail **89.95**

(B) WESTINGHOUSE AM-FM TABLE RADIO. New "Wide-Fi" 10x2⅜" speaker, variable tone control, long-range AM antenna, built-in cord FM antenna, plus external amplifier stage on FM for extra pulling power and selectivity. Illuminated slide-rule dial. 7 tubes plus selenium rectifier. Overall dimensions: 6x14⅞ x5¾". Wt. 10 lbs.
90G137X4938 Charcoal/white.....Retail **69.95**

(C) WESTINGHOUSE "SYMPHONAIRE SIX." Long distance model pulls in far-off stations loud and clear . . . 3-gang condenser provides increased sensitivity. 6-tube model, including rectifier. New 10x2⅜" "Wide-Fi" speaker, push-pull on-off switch —set and forget volume control . . . illuminated slide-rule dial. 6"14⅞ x5¾". 10 lbs.
90G138X2861 Coral .....Retail **39.95**
90G139X2861 Ivory .....Retail **39.95**

(D) ARVIN TWIN SPEAKER TABLE RADIO. Console-like sound from 2 speakers; 5 tubes including rectifier. Ceramic high "Q" rod antenna for greater selectivity and sensitivity. Phono jack, illuminated slide-rule dial tuning dial, tone control. Enclosed cabinet back. Overall dimensions: 13⅜" long, 6⅜" wide, 4½" deep. Wt. 5¾ lbs.
72G16X2586 Turquoise .....Retail **34.95**

(E) ARVIN ECONOMY TABLE RADIO. Air loop antenna pulls in distant stations clear and sharp—no external connections needed. Smart styling and crisply chiseled flame-colored cabinet with gray accents make it at home in any part of the house. Dependable printed circuit; 5 tubes including rectifier. Overall cabinet dimensions: 9½" long, 5½" wide, 3⅞" deep. Wt. 6 lbs.
72G18X1616 .....Retail **19.95**

(F) ARVIN 2-SPEAKER AM-FM STEREO RECEIVER. Range of standard AM, plus the clear tone of FM in an ultra-powerful transformer-type straight AC chassis. 10 tubes including rectifier; 2 Alnico speakers (5x7" woofer and 4" tweeter). Push-button controls, phono jack, separate tuning. Gray and black plastic case, 18¼x9x8⅛". 20 lbs.
72G19P7196 .....Retail **100.00**

ROLAND HI-FI TABLE RADIO. Alnico V speaker in acoustical cabinet; easy-vue slide-rule dial tuning; ferrite loop antenna. 5 tubes including rectifier; Superhet chassis for undistorted reproduction. Automatic volume control; 105-125 volts, 50-60 cycles, AC-DC. Gold and White polystyrene enclosed-back cabinet. Overall dimensions: 6⅞" x 10¾" x 7⅜". Wt. 4 lbs.
1G101X1948 .....Retail **24.95**

G.E. MUSAPHONIC TABLE RADIO. Oval speaker 5x7"—tone and volume control; illuminated slide-rule dial; push-pull on-off controls; printed circuit chassis. 5 tubes including rectifier; ferrite rod antenna; 540-1600 kc. AC-DC. 105-120 volts, 50-60 cycles. Polystyrene cabinet, grey and white, measures 12" long, 8" wide, and 5⅞" deep. Shipping weight 3 lbs.
17G88X2156 .....Retail **29.95**

MOTOROLA TABLE RADIO. A slim silhouette high-impact case houses lifetime chassis with 5 tubes including rectifier. Oversize ferrite rod antenna brings in stations loud and clear. 4x6" speaker for powerful distortion-free reproduction. Standard broadcast band 535 to 612 kc. 117-v., AC-DC. Maple-colored plastic cabinet. Wt. 6 lbs.
1G19X2267 .....Retail **29.95**

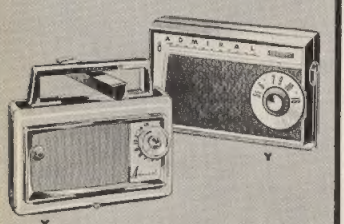
V W

(V) ADMIRAL 6-TRANSISTOR. A portable radio with 6 transistors and dual speakers. Two speakers give sound "all around"—no matter which way the radio is placed, equal volume can be heard by everyone—unusual in most portables. Six transistors and 2 diodes never wear out—require only 9 flashlight batteries to play up to 1200 hours. Lestherette-covered metal case is easily kept sparkling bright. Black carrying handle of durable plastic—snare blue body. Special "Rotoscope" antenna for extra clear reception . . . constant tone and volume. 8⅞x9⅞x2⅛".

73G12V4874 Each.....Retail **59.95**

(W) ADMIRAL 8-TRANSISTOR. A portable radio with eight transistors and dual speakers. Gives uniform clarity of sound all around the area it is placed. Efficient tone control for the precise degree of bass or treble desired. Two speakers in bass reflex port. Eight transistors and one diode never wear out . . . give dependable and invariable performance permanently. Plays up to twelve hundred hours on eight flashlight batteries. Special "Rotoscope" antenna for distant-station pull-in. Saddle tan case with black plastic carrying handle. 8⅞" high x 9⅞ x 2½".

73G13V5649 Each.....Retail **69.95**



X Y

(X) ADMIRAL DELUXE 3-WAY. Operates on AC, DC, or on batteries. Special versatility makes this an especially convenient portable for general use—indoor or at the beach or on hiking trips, or even in autos in the absence of a car radio. Equipped with four tubes plus rectifier. Special "Rotoscope" antenna for extra convenience and distant-station pull-in. Scuff-proof washable leatherette cover—rust-proof metal case. Heavy plastic carrying handle. Overall dimensions: 9¼" high, 10½" wide, 2⅝" deep. Beautiful maroon and silver trim.

73G11V2732 Each.....Retail **34.95**

(Y) ADMIRAL 8-TRANSISTOR. Plays on trains, planes or boats—an excellent radio for the auto in absence of a car radio. Eight transistors plus one diode never need replacement. Plastic case is unbreakable, rust-proof—colors are molded right into the case. Plays up to 400 hours on 4 mercury-type batteries. Has extra-convenient plug-in jack for earphone attachment—perfect for sick-room patients and late-at-night listening. Ebony black case with gold and red trim. Overall dimensions: 3½" high, 5¾" wide, 1⅝" deep.

73G10V4316 Each.....Retail **49.95**

Latest Model Famous-Make Portable Radios

(A) MOTOROLA 7-TRANSISTOR POCKET RADIO. Rotating antenna handle, RF stage for increased sensitivity; precision vernier tuning. Power 10 Placir chassis . . . 7 transistors and 3 germanium diodes. Large Golden Voice speaker; automatic volume control; push-pull output stage; earphone jack. Metal vinyl covered Marlin blue case, 6½x4⅞x2¼". Uses pen lite cells. Wt. 3 lbs.

1G15V4508 Each.....Retail **59.95**
1G16V395 Case. 1 lb.....Retail **5.95**
1G13V375 Earphones.....Retail **5.95**

(B) MOTOROLA 6-TRANSISTOR POCKET RADIO. With Power 9 Placir chassis —6 transistors and 3 germanium diodes. Rotating ferrite rod antenna handle pulls in distant stations. Metal cabinet in wrinkle baked enamel. Alnico 5 Golden Voice 2¾" speaker; earphone jack. Conelrad marked. 6⅛x4¼x1⅜". Wt. 3 lbs.

1G12V3895 Each.....Retail **49.95**
1G13V375 Earphone.....Retail **5.95**
1G14V297 Case. Wt. 1 lb.....Retail **4.95**

(C) MOTOROLA 7-TRANSISTOR RADIO. Luxurious Sunda vinyl front cover metal cabinet. Rotating handle antenna; 4 pen lite batteries. Power Placir chassis . . . 7 transistors plus 3 germanium diodes. RF stage for increased sensitivity. Magnified lens vernier tuning. Golden Voice speaker; push-pull output; earphone jack; automatic volume control. 6½x7½x2½". Wt. 3 lbs.

1G17V5250 Each.....Retail **75.00**
1G16V395 Case. Wt. 1 lb.....Retail **5.95**
1G13V375 Earphones.....Retail **5.95**

(D) MOTOROLA 6-TRANSISTOR RADIO. Molded polystyrene case, 5⅛x3½x1⅜", houses Power Placir chassis, 6 transistors and 2 germanium diodes. Magnified tuning lens, new 2-magnet 2¾" motor driven speaker; ferrite rod antenna, earphone jack; automatic volume control, push-pull output. Uses 4 pen lite batteries. 3 lbs.

1G5V3275 Each.....Retail **39.95**
1G20V297 Case. Wt. 1 lb.....Retail **4.95**
1G18V375 Earphones.....Retail **5.95**

(E) PHILCO 6-TRANSISTOR RADIO. A 6-transistor set with big 3½" Alnico V speaker. Operates up to 500 hours on 2 flashlight batteries. Finished in tan Sur-V-Lon . . . looks like leather. 6½x 9x3" deep at bottom—tapers to 2" at top. Wt. 3 lbs.

77G35V3797 Each.....Retail **49.95**

(F) PHILCO 5-TRANSISTOR RADIO. Pocket-size 5-transistor set operates on 4 penlite batteries. Built-in Magnecor antenna; "Private Listening" jack. Break-resistant case in ivory and black. 5-year guarantee. 3½x6x1½". Wt. 2½ lbs.

77G33V3197 Each.....Retail **39.95**
77G34V234 Leather Case.....Retail **3.00**

(G) PHILCO PORTABLE 4-TRANSISTOR RADIO. A pocket-size powerhouse. Operates on 4 transistors and 4 regular pen lite batteries. Break-resistant case, 3¾"x6"x1½" deep. Turquoise. Shipping weight 1 lb.

77G31V2497 Each.....Retail **29.95**

(H) PHILCO 7-TRANSISTOR RADIO. New Scantenna handle aerial with 2 built-in magnecor antennas. Alnico V speaker; 4 tuned IF circuits. Operates up to 500 hours on 4 flashlight cells. Break-resistant case. 8½x9¾x2¼". Wt. 3 lbs.

77G37V4297 Turquoise.....Retail **59.95**
77G38V4297 Black.....Retail **59.95**

(J) PHILCO 7-TRANSISTOR RADIO. Operates up to 500 hours on 7 transistors and 2 flashlight batteries. Break-resistant ivory and black case, 4⅜x7x 2¼". With leather carrying case. Wt. 3 lbs.

77G36V4750 Each.....Retail **64.95**

(K) ARVIN 5-TRANSISTOR RADIO. Textured, Arvinyl case, 11¼x8¼x2½". 5 transistors, Magnetenna built-into rotating handle. Reflex circuit with push-pull output for long life of 4 "D" cell batteries. Wt. 6 lbs.

72G12V3746 Each.....Retail **49.95**

(L) WESTINGHOUSE 5-TRANSISTOR PORTABLE. "Silver Safeguard" chassis, push-pull output. 3½" Alnico V speaker; earphone jack; ferrocore antenna, shatter-proof case 6⅞x4¼x2½". 3 lbs.

90G131V2959 .....Retail **39.95**

(M) RCA VICTOR 6-TRANSISTOR RADIO. Uses rechargeable or pen lite cells. Impac case houses 6 transistors plus diode, 2¾" speaker; ferrite rod antenna. Earphone jack; standard band; 520-1600 KC. 2½x6⅞x1¾". 2 lbs.

80G9V3195 Each.....Retail **39.95**
80G11V1080 Recharge Unit. 2 lbs.....**14.95**

(N) GE 6-TRANSISTOR PORTABLE. Uses rechargeable or pen lite batteries. Shatter, chip, and rust proof anodized aluminum case. Printed circuit chassis, push-pull output; earphone jack; 2¾" Alnico 5 Magnet speaker; 5¾" ferrite rod antenna; clip-on carry strap. 540-1600 KC. 6⅞x3½x1⅜". 2 lbs.

17G84V3596 Each.....Retail **49.95**
17G86V325 Earphones.....Retail **4.95**

Zipper case and recharger with batteries for 10,000 playing hours.

17G87V1550 Each.....Retail **20.00**

(P) WESTINGHOUSE MINIATURE TRANSISTOR PORTABLE. Plays up to 200 hours on a nine-volt battery. Ferrocore antenna; "Silver Safeguard" chassis with push-pull audio output. Earphone jack, Alnico V speaker; automatic volume control. Shatterproof case. 3½x6x 1⅜". Wt. 1½ lbs.

90G133V3612 Each.....Retail **49.95**

(Q) ROLAND "DUET" 7-TRANSISTOR 2-SPEAKER RADIO. Seven-transistor operation on pen lite batteries with 2 extended-range speakers for big-set performance. Earphone jack; super-sensitive antenna; impact case; 3-way handle; easy-vue dial. Wt. 2 lbs.

1G100V3497 Each.....Retail **49.95**

(R) RCA VICTOR 5-TUBE "CRUISER". Wavefinder rotating antenna, 3-way operation . . . AC, DC, or one 7½-volt and one 9-volt battery. Sliding bar station indicator, direct drive vernier tuning. Golden throat tone system. 5 tubes including rectifier. Hinged back. Case, guaranteed for 5 years, measures 7½x 10½x3½". Wt. 4 lbs.

80G12V3195 Each.....Retail **39.95**

(S) ARVIN 3-WAY 5-TUBE PORTABLE. Operates on AC-DC or one 7½-volt and one 9-volt battery. Arvinyl plastic-bonded-to-steel case. Rotating handle with built-in antennas. Big 5" Alnico V speaker. 5 tubes including rectifier. Detachable line cord. 11x6½x2½". Wt. 5 lbs.

72G14V2586 Each.....Retail **34.95**

(T) WESTINGHOUSE 2-ANTENNA 4-TUBE "CRUISER". High gain ferrocore plus telescoping unipole antenna. Operates on AC-DC or batteries. 4" Alnico V speaker. Planetary drive tuning control. 9⅛x10½x3⅛". Wt. 6 lbs.

90G135V2788 Each.....Retail **39.95**

(U) PHILCO 3-WAY PORTABLE. With Scantenna—both handle and antenna contain 2 matched magnecor aerials and clear distant-station pick-up. Equipped with 4 tubes plus rectifier; 4" speaker. Break-resistant case. 7¾x10½x2¼". 3¾" at bottom. Wt. 6 lbs.

77G40V2450 Pink.....Retail **29.95**
77G41V2450 Aqua.....Retail **29.95**

MINIATURE ENGINES

STEAM

Empire—Electric

A regular steam engine, horizontal type, with an electrical heating element to create steam. Equipped with throttle for varying speeds and a real steam whistle. Safety valve and water gauge prevent excess steam pressure. Its assembly is a seamless drawn copper boiler, a heavy cast base, strong brass running parts and steel connections and highly nickel plated. Operates on any standard light socket without transformer.

NO.	Size In.	Watts	lb Ea.	Std. Pkg.	EACH
B30	9¼x5¾x7½	300	7	3	$16.00

Empire—Electric

This model is exactly like B30 the horizontal type. The only difference is found in the vertical construction. See Model B30 for mechanical construction.

NO.	Size In.	Watts	lb Ea.	Std. Pkg.	EACH
B31	7x6x10	350	6	3	$16.00

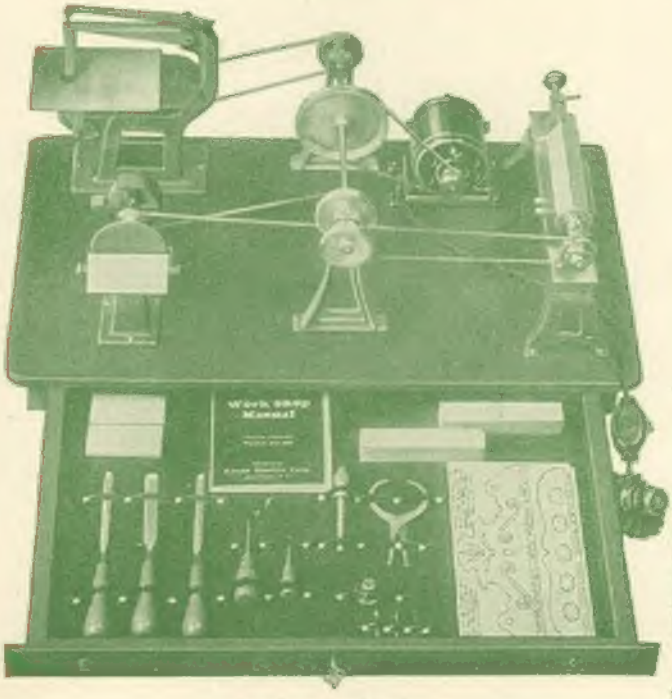
STEAM

Empire—Electric

Miniature duplicate of large single phase steam turbines. Equipped with throttle, whistle, safety valve, water gauge, seamless drawn copper boiler with heavy cast base, strong brass running parts and steel connections, accurately machined and nickel plated.

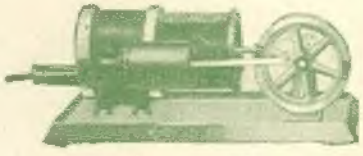
NO.	Size In.	Watts	lb Ea.	Std. Pkg.	EACH
B35	9¼x5¾x7¼	400	6½	3	$13.50

KNAPP WORK SHOP



One in a wooden box.

HOT AIR



Empire—Electric

Driven by hot air expansion. Operates on a standard electric light socket, develops unusual power and will run for hours. Assembled on a heavy cast base with brass running parts and steel connection. Finished in bright red color and nickel plated trimmings.

NO.	Size In.	Watts	lb Ea.	Std. Pkg.	EACH
B38	12x6x5½	350	11	2	$20.00

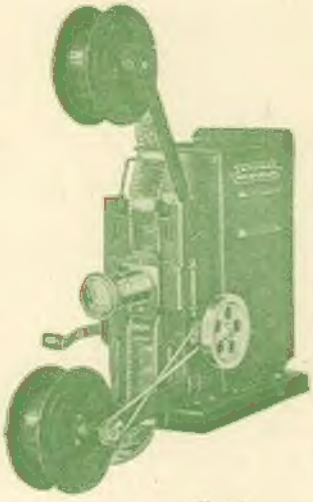
KNAPP WORK SHOP

Consists of motor, jig saw, lathe, sander and grinder transmission, special steel cutting tools, one set centre drills. Jaw chuck drill attachment for lathe, calipers, 12 sheets sand paper, bottle of glue, awl screw driver, complete set of belts; already connected, 2 wood blocks, one jig saw board plain, one work shop manuel; one instruction sheet for assemblying etc. Board marked for exact location of tools. Packed knocked down, to prevent breakage.

NO.	Size In.	lb Ea.	EACH
995	26x14½	45	$53.50

One in a carton.

KEYSTONE MOVIEOGRAPH



Electric equipped with 6 feet brand new safety film, standard gauge, steel construction; leather pattern, baked, crystalized enamel finish, nickel trimmings. Wooden base. Equipment consists of six feet of cord, plug and socket, one compartment side, one U draw-em slide, generous supply of tickets, bill posters etc., and a sheet of instructions.

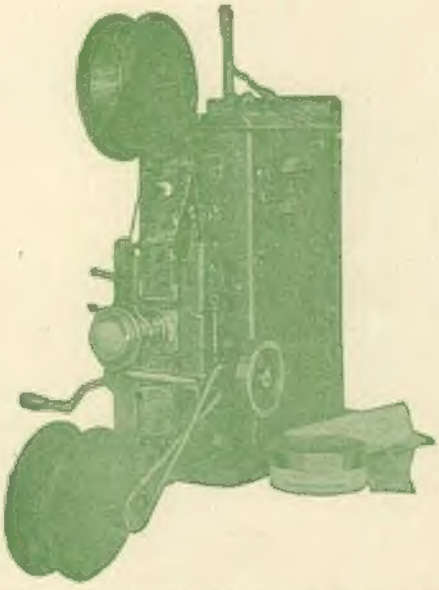
NO.	Size In.	Size of Picture	lb Ea.	EACH
591	5¾x10¾x10	38x50	7	$10.70

One in a box.

Electric equipped, with 10 ft. of new safety film, standard gauge. Constructed of steel, leather pattern, baked crystalized enamel finish, nickel trimmings. Wooden base with rubber tabs on bottom to prevent scratching the furniture. Additional equipment, adjuster for electire bulb; including six feet of cord, plug and socket one compartment slide, one U-draw-em slide, generous supply of tickets, bill and a sheet of instructions.

NO.	Size In.	Size of Picture	lb Ea.	EACH
198	6¾x14¾x19	45x60	9½	$14.20

One in a box.



Electric equipped with 25 feet of new safety film, standard gauge. Steel construction, leather pattern, baked crystalized enamel finish, nickel trimmings. Adjusted for lens; wooden base with rubber tabs on bottom. Has rewind pulley. Polished fly wheel, sprocket barrel with rollers so that film will not come off or tear. Extra large lens tube, with lens adjusting mechanism and three powerful lens, including condensing lens. Highly polished reflector, one compartment slide, U-draw-em slide, generous supply of tickets badges, etc., also card of instructions.

NO.	Size In.	Size of Picture	lb Ea.	EACH
261	6¾x14¾x19	60x72	10½	$21.00

One in a box.

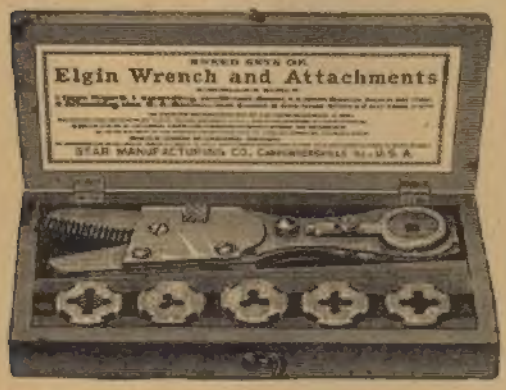
Elgin Adjustable Wrench

Solid Steel, Full Polished and Nickel-Plated, Hardened Jaws with Milled Teeth.
Unequalled for Angle and Corner Work.
Fully Warranted

No.	Length	Holds Pipe	Per Doz.
Elgin	7 in.	¼ to ⅜ in	$12.00

One-twelfth Doz. in a Box.

ELGIN WRENCH BOXED SETS.



Set contains the following:

1 Elgin Wrench.
1 Rethreading Attachment.
1 ¼-inch Insert for Taps.
1 ¼-in. U. S. Standard Bolt Die.
1 5/16-in. " " " "
1 ⅜-in. " " " "
1 7/16-in. " " " "
1 ½-in. " " " "

All packed in a strong hardwood box.

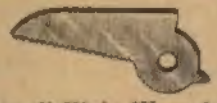
	Per Set
Elgin Boxed Sets	$ 3.75

ELGIN RETHREADING ATTACHMENT.

Fits handle of Elgin Wrench, Making a perfect Ratchet Die Stock. Complete with one ⅜-inch U. S. Stand. Die.

	Per Doz.
Elgin Rethreading Attachment	$12.00

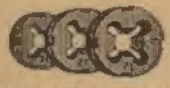
ELGIN WRENCH JAW.



Fits all Elgin Wrenches.

	Per Doz.
Elgin Jaws	$ 3.00

ELGIN RETHREADING DIES.



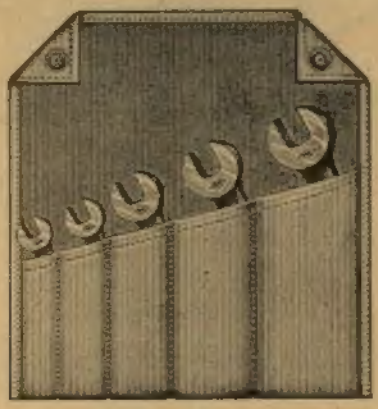
Fit Rethreading Attachment
U. S. Standard Threads

Size Bolt	Per Doz.
¾ in	$ 6.00
⅞ in	6.00
5/16 in	6.00
⅜ in	6.00
7/16 in	6.00
½ in	6.00

Actual Size Cut of Elgin Wrench Showing the Rethreading Attachment in Place.

General Purpose Wrenches

In Sets



Set Consists of One Each Nos. 500, 501, 502, 503 and 504 in a heavy Canvas Bag.

	Per Set
Unfinished—Plain Forgings, with Milled Openings	$ 2.00
Semi-Finished—Heads Bright, Case Hardened	2.50
Finished—Polished and Lacquered, Case Hardened	3.00

One Set in a Roll

Note—For the dimensions of above Wrenches, see page 200.

Automobile Wrenches

CRESCENT ADJUSTABLE

Engineers' Standard 22½ degree angle jaws. Drop Forged Steel, polished and finely finished. Especially adapted for Automobiles, Gas Engines, and all machines requiring a high grade adjustable wrench
Fully Warranted

Crescent Wrenches

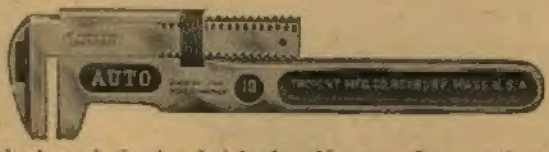
Length	Opens	Weight	Per Doz.
6 in.	¾ in.	5 oz.	$ 9 60
8 in.	1 in.	10 oz.	12 00
10 in.	1⅛ in.	18 oz.	15.00
12 in.	1⅜ in.	32 oz.	19.20

One-Twelfth Doz. in a Box

Crescent Extra Jaws

	Each
For 6 in. Wrench	$0.50
For 8 in. Wrench	.60
For 10 in. Wrench	.80
For 12 in. Wrench	1.00

TRIMO AUTO



Drop Forged Steel, polished and finely finished. Narrow Jaws. Case Hardened. Warranted.

Length	Opens	Weight	Per Doz.
10 in.	1¾ in.	23 oz.	$14.00

One-half dozen in a Wooden Box

RONSON TOUCH-TIP* TABLE and DESK LIGHTER

It's the magic action of this mysterious Table Lighter that intrigues, fascinates and thrills every one who tries it.

Automatic, self-resetting
No wires — no batteries
No striking — no puffing
One fueling lasts for months

Lights pipes as easily as cigarettes or cigars.
Rod handle tamps down pipe tobacco, too.
Ideal for every gift, prize and presentation purpose.

Touch Tip—and it's lit!

All metal body, richly enameled in Black, White or Tortoise. Base, fitments and raised Monogram Shield are finished in Polished Chromium.

Height 3 5/8"
Width 3 3/4"
Depth 2 1/2"

Touch-Tip

No.	List	Retail
2102	$6.00	$5.00

RONSON TOUCH-TIP* and WATCH COMBINATION

Styled in the modern manner, this Touch-Tip also serves as a timepiece. The dependable, stem-wind and stem-set watch was created specially for RONSON. Case is richly enameled in Black and Ivory or Tortoise and Ivory with Chromium plated base and fitments. Height 4", Width 4", Depth 2 1/2".

Touch-Tip Watch Combination

No.	List	Retail
16234	$15.00	$12.50

RONSON TOUCH-TIP BAR

Height 6 7/8"
Width 6"
Depth 2 3/4"

Design Patent No. 100,752

A handsome miniature reproduction of a modern bar complete with tiny cocktail shaker, glasses, coasters, fitments, etc. Standing an inch back of the bar on the extended base, a dusky attendant holds another shaker aloft and grins in eager anticipation.

On closer inspection, the center section of the bar turns out to be a RONSON Touch-Tip Lighter. Similarly, the tops of the end sections can be lifted on their hinges to reveal copious compartments, each holding 15 cigarettes. As the lids are raised, the cigarettes are automatically elevated for easy removal.

The bar itself is of sturdy metal, handsomely enameled in grained walnut-effect with Chromium plated relief bands on either side. The top, miniature accessories and rail are finished in Polished Chromium with White enameled coasters,—the bartender, in "Butler" and Polished Chromium plate in combination with Black enameled hands, face and shoes and Red lips. The base is finished in Gunmetal and felt padded.

No.		List	Retail
16230	Touch-Tip & Bar	$27.00	22.50

*U. S. TOUCH-TIP PATENT NO. 1,986,754
CANADIAN TOUCH-TIP PATENT NO. 349,108

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Printed in U. S. A.—1010

Lights the Smokes of the Nation — One Finger—One Motion

U. S. PAT. RE. NO. 19023 TRADE MARK REGISTERED

RONSON

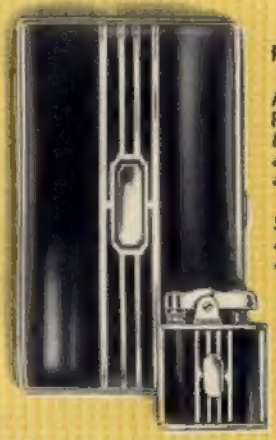
CANADIAN PAT. NOS. 286,148 — 289,889 308,844 — 311,040 BRITISH PAT. NO. 291,695

FLIP-*it's lit!* — WORLD'S GREATEST LIGHTER — RELEASE-*it's out!*

RONSON SETS

Matching RONSON Lighters and Cigarette Cases

Shown about 2/5 actual size



SET — Princess Lighter with Case holding 15 cigarettes. Richly enameled in Black or Tortoise. Polished Monogram Shield.

No.	List	Retail
14730 Set	$12.00	$10.00

SET — Princess Lighter with Case holding 10 cigarettes. Richly enameled in Black, White or Burgundy. Polished Monogram Shield.

No.	List	Retail
15234 Set	$9.00	$7.50

RONSON TABLELIGHTERS

For home and office

Shown about 1/2 actual size

RONDELIGHT — Richly enameled in Black or Black & Ivory. Height 3", Diameter 2 1/4"

No.	List	Retail
14407 Rondelight	$8.10	$6.75

RONDETTE TABLELIGHTER — Richly enameled in Black or Tortoise. Mounted on modern cylindrical feet. Height 3 1/4", Width 2 5/8"

No.	List	Retail
15210 Tablelighter	$9.00	$7.50

PENCILITER

Genuine RONSON Lighter built into a superfine propel-repel pencil

PENCILITER — "Engine-Turned" design with pocket clip and Monogram Shield. Pearled-Green or Black writing grip. Eraser and extra leads included.

PenciLiter

No.	List	Retail
15252	$4.20	$3.50

PRESS—and it's lit!

PenciLiters shown about 1/2 actual size

PENCILITER—STERLING Silver, "Engine-Turned" design, with pocket clip and Monogram Shield. Black or Pearled-Green writing grip. Eraser and extra leads included.

STERLING PenciLiter

No.	List	Retail
15253	$12.00	$10.00

Touch Tip—and it's lit!

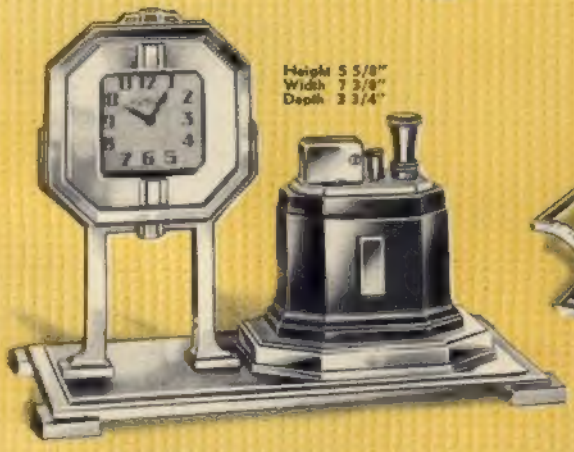
TOUCH-TIP CIGARETTE DISPENSER — A handsome RONSON Touch-Tip Table Lighter designed in the modern manner, combined with a large capacity streamlined cigarette box with automatic delivery system. At the touch of a finger, a cigarette drops into rack at base. Touch-Tip and cigarette box plated in polished Chrome, richly enameled in Black and decorated with relief bands. Base finished in Gunmetal, with polished Chromium plated corner rests (felt padded).

Touch-Tip Cigarette Dispenser

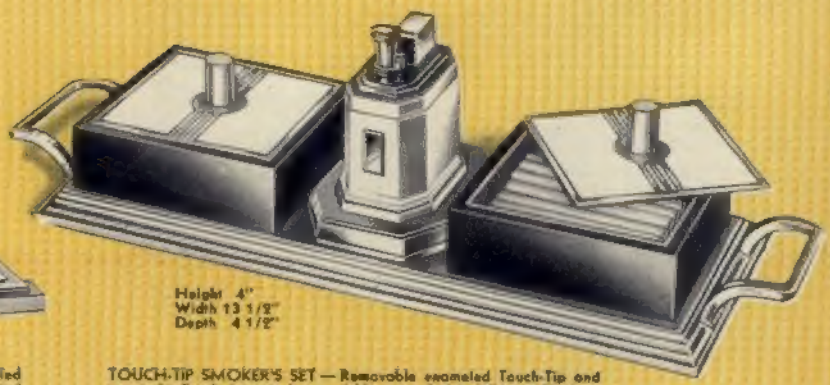
No.	List	Retail
16255	$15.00	$12.50

Height 4 1/2"
Width 4 5/8"
Depth 7 3/4"

All genuine Chromium Plated except No. 15253 STERLING PENCILITER



Height 5 5/8"
Width 7 3/8"
Depth 3 3/4"



Height 4"
Width 13 1/2"
Depth 4 1/2"

TOUCH-TIP with CLOCK — Removable Black enameled Touch-Tip with "pull-wind" clock, finished in "Butler" and polished Chromium. Mounted on modern stepped base, gun-metal finish, felt padded corner rests.

No.	List	Retail
16095 Touch-Tip with Clock	$16.20	$13.50

TOUCH-TIP SMOKER'S SET — Removable enameled Touch-Tip and two cedar-lined cigarette boxes, richly enameled in White & Black or Black. (Touch-Tip to match). Polished Chromium plated tray with handles.

No.	List	Retail
16187 Touch-Tip Smoker's Set	$19.80	$16.50

U. S. TOUCH-TIP PAT. NO. 1,966,754 — CANADIAN TOUCH-TIP PAT. NO. 348,106

Lights the Smokes of the Nation — One Finger — One Motion

U. S. PAT. RE. NO 19023
TRADE MARK REGISTERED

RONSON

CANADIAN PAT NOS 288 145 — 289 859 308 844 — 311 040
BRITISH PAT NO. 291,695

FLIP – it's lit! — WORLD'S GREATEST LIGHTER — RELEASE – it's out!

Watch Lighter (Pocket Model)

In RONSON *RHODIUM DeLuxe*

A genuine RONSON Lighter with reliable built-in, stem-wind and stem-set watch. The dial of the watch is finished in a Two-Tone Silver effect with luminous hands. Plated with Rhodium the ultra precious non-tarnishing "Diamond of Metals" Engine Turned and richly enameled in Black with polished Monogram Shield.

RHODIUM Watch Lighter

No.	List	Retail
3114	$19.80	$16.50

(Watch Lighter illustrated 4/5 actual size)

Combinations of Lighter and Cigarette Case

MAGNACASE — Chromium plated "Engine-Turned" and richly enameled in Black & White or Tortoise & Ivory Polished Monogram Shield

No.	List	Retail
2288 Magnacase	$16.80	$13.50

MAGNACASE — Chromium plated, richly enameled in Two-Tone Tortoise or Black & Ivory. Monogram Shield

No.	List	Retail
2285 Magnacase	$16.80	$13.50

Combinations illustrated about 1/2 actual size

All packed in rexel display gift cases, velvet-lined, suedetex covered

In RONSON *DUREUM*

A thru-and-thru alloy, in rich GOLD effect

DUREUM TWENTYCASE — "Engine Turned" and richly enameled in Tortoise or Black, Polished Monogram Shield. Holds a full pack

No.	List	Retail
2197 Twentycase	$19.80	$16.50

MAGNAPACT — Chromium plated, "Engine-Turned" and richly enamelled in White & Black or Tortoise & Turquoise. Polished Monogram Shield

No.	List	Retail
2298 Magnapact	$18.00	$15.00

Magnapact combines Lighter, Cigarette Case and Vanity in one smart unit

Combinations in RONSON *RHODIUM DeLuxe*

Plated with Rhodium the ultra-precious, non-tarnishing "Diamond of Metals" Full, fine-cut Engine Turning Polished Monogram Shield

RHODIUM Twentycase, holds a full pack

No.	List	Retail
3078	$21.60	$18.00

RHODIUM Magnacase

No.	List	Retail
3084	$21.60	$18.00

Lights the Smokes of the Nation — One Finger — One Motion

U. S. PAT. RE. NO. 19023
TRADE MARK REGISTERED

RONSON

CANADIAN PAT. NOS. 288,148 — 289,689 308,844 — 311,040
BRITISH PAT. NO. 291,695

FLIP - it's lit! — WORLD'S GREATEST LIGHTER — RELEASE - it's out

Combinations of Lighter and Cigarette Case

In RONSON DUREUM

RONSON DUREUM — A thru-and-thru alloy, in rich GOLD effect

DUREUM TUXEDO — "Engine - Turned" and richly enameled in Black or Tortoise. Polished Monogram Shield.

No.	List	Retail
2050 Tuxedo	$18.00	$15.00
2052 Tuxedo E T	18.00	15.00

(Same design as 15066 in Chromium)

All genuine Chromium Plated except No. 2050, No. 2052 and No. 3090

TUXEDO — "Engine-Turned" and richly enameled in Black & White or Two-Tone Tortoise. Polished Monogram Shield.

No.	List	Retail
2056 Tuxedo	$15.00	$12.50

All packed in easel display gift cases, velvet-lined, suedetex covered

In RONSON RHODIUM DeLuxe

TUXEDO — Plated with Rhodium the ultra-precious, non-tarnishing "Diamond of Metals" Full fine cut "Engine-Turning" Polished Monogram Shield.

No.	List	Retail
3090 Tuxedo	$19.00	$16.50

Illustrations about 1/2 actual size

TUXEDO — "Engine - Turned" and richly enameled in Black or Tortoise. Polished Monogram Shield.

No.	List	Retail
2060 Tuxedo	$15.00	$12.50

TUXEDO — "Engine - Turned" and richly enameled in Tortoise or Black. Polished Monogram Shield.

No.	List	Retail
2057 Tuxedo	$15.00	$12.50

TUXEDO — "Engine - Turned" with polished Monogram Shield

No.	List	Retail
15066 Tuxedo	$15.00	$12.50

TUXEDO — Engine Turned and richly enameled in Tortoise & Ivory or Black & White. Polished Monogram Shield

No.	List	Retail
2061 Tuxedo	$15.00	$12.50

TWENTYCASE — 'Engine-Turned 'and richly enameled in Black Polished Monogram Shield. Holds a full pack

No.	List	Retail
2188 Twentycase	$16.20	$13.50

TWENTYCASE — Richly enameled in Tortoise & Ivory or Black & White Polished Monogram Shield. Holds a full pack.

No.	List	Retail
2192 Twentycase	$16.20	$13.50

TWENTYCASE — "Engine-Turned and richly enameled in Tortoise or Black. Polished Monogram Shield. Holds a full pack.

No.	List	Retail
2189 Twentycase	$16.20	$13.50

TWENTYCASE — 'Engine-Turned and richly enameled in Black or Tortoise. Polished Monogram Shield. Holds a full pack.

No.	List	Retail
2200 Twentycase	$16.20	$13.50

Lights the Smokes of the Nation — One Finger — One Motion

U. S. PAT. RE NO. 19023 TRADE MARK REGISTERED

RONSON

CANADIAN PAT. NOS. 288 148 — 289 889 308 844 — 311,040 BRITISH PAT. NO. 291 695

FLIP - it's lit! — WORLD'S GREATEST LIGHTER — RELEASE - it's out!

Combinations of Lighter and Cigarette Case

SMART SET — Richly enameled in Black & White or Tortoise & Ivory Polished Monogram Shield.

No.	List	Retail
2042 Smart Set	$10.20	$8.50

SMART SET — Engine-Turned and richly enameled in Black or Tortoise, Polished Monogram Shield.

No.	List	Retail
2041 Smart Set	$10.20	$8.50

All genuine Chromium Plated except No. 2280 and No. 3066

All packed in easel display gift-cases, velvet-lined, suedetex covered

SMART SET — Engine-Turned and richly enameled in Black & White or White & Red Polished Monogram Shield.

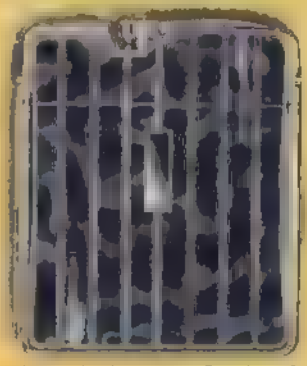
No.	List	Retail
2047 Smart Set	$10.20	$8.50

SMART SET — "Engine-Turned" and richly enameled in Two-Tone Tortoise or Black & White. Polished Mono-[illegible] Shield.

No.	List	Retail
2046 Smart Set	$10.20	$8.50

TEN-A-CASE — "Engine-Turned" and richly enameled in Black or Tortoise Polished Monogram Shield.

No.	List	Retail
2277 Ten-A-Case	$12.00	$10.00

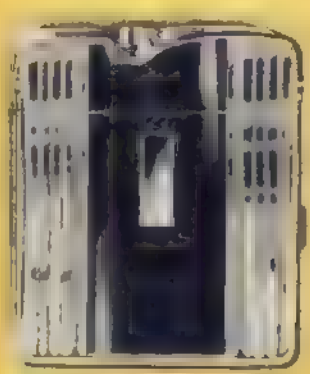


TEN-A-CASE — "Engine-Turned" and richly enameled in Tortoise or Black Polished Monogram Shield

No.	List	Retail
2284 Ten-A-Case	$12.00	$10.00

TEN-A-CASE — "Engine-Turned" and richly enameled in Black or Tortoise. Polished Monogram Shield

No.	List	Retail
2279 Ten-A-Case	$12.00	$10.00



TEN A-CASE — Engine-Turned' and richly enameled in Black Tortoise or White Polished Monogram Shield

No.	List	Retail
2276 Ten-A-Case	$12.00	$10.00

In RONSON DUREUM

RONSON DUREUM — *A thru-and thru alloy, in rich GOLD effect*

DUREUM TEN A CASE — Engine-Turned' and richly enameled in Black or Tortoise. Polished Monogram Shield.

No.	List	Retail
2280 Ten-A-Case	$15.00	$12.50

SUPERCASE — "Engine-Turned' and richly enameled in Tortoise & Ivory or Black & White Polished Monogram Shield.

No.	List	Retail
2126 Supercase	$12.00	$10.00

Superpact combines Lighter Cigarette Case and Vanity in one smart unit

SUPERPACT — Engine-Turned' and richly enameled in Black & White or White & Black Monogram Shield

No.	List	Retail
2309 Superpact	$15.00	$12.50

In RONSON RHODIUM DeLuxe

RHODIUM TEN A CASE — Plated with Rhodium the ultra precious non-tarnishing "Diamond of Metals" Full Fine cut Engine Turning Polished Monogram Shield.

No.	List	Retail
3066 Ten-A-Case	$18.00	$15.00

Illustrations about 1/2 actual size

Lights the Smokes of the Nation — One Finger—One Motion

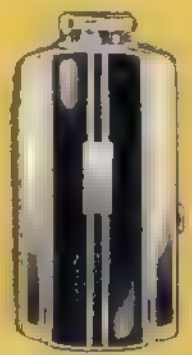
U. S. PAT. RE NO. 19023 TRADE MARK REGISTERED

RONSON

CANADIAN PAT. NOS. 286 148 — 289,889 308 844 — 311 040 BRITISH PAT. NO. 291 695

FLIP-it's lit! WORLD'S GREATEST LIGHTER RELEASE-it's out

Combinations of Lighter and Cigarette Case



SPORTCASE — Richly enameled in Black, White or Tortoise. Polished Monogram Shield.

No.	List	Retail
2374 Sportcase	$7.80	$6.50

All genuine Chromium Plated

Sportcases are packed in gold-stamped gift cases

Illustrations about 1/2 actual size

SPORTCASE — Richly enameled in Tortoise, Black or White. Polished Monogram Shield.

No.	List	Retail
2375 Sportcase	$7.80	$6.50

SPORTCASE — Richly enameled in White, Black or Tortoise. Polished Monogram Shield.

No.	List	Retail
2376 Sportcase	$7.80	$6.50

MASTERCASE — Richly enameled in Black or Tortoise. Raised Monogram Shield.

No.	List	Retail
14976 Mastercase	$9.00	$7.50
14977 M'Case Butler	9.00	7.50

MASTERCASE — Richly enameled in Tortoise & Ivory or Black & White. Polished Monogram Shield.

No.	List	Retail
2415 Mastercase	$9.00	$7.50

Mastercases are packed in luxurious, velvet-lined compartment gift cases

MASTERCASE — Richly enameled in Two-Tone Tortoise or Black & White. Polished Monogram Shield.

No.	List	Retail
2061 Mastercase	$9.00	$7.50

MASTERCASE — Richly enameled in Black & Smoked Pearl or Tortoise & Ivory. Polished Monogram Shield.

No.	List	Retail
2409 Mastercase	$9.00	$7.50

MASTERCASE — Richly enameled in Tortoise & Ivory or Black & White. Polished Monogram Shield.

No.	List	Retail
2408 Mastercase	$9.00	$7.50

MASTERCASE — Richly enameled in Black & White or Tortoise & Ivory. Polished Monogram Shield.

No.	List	Retail
2407 Mastercase	$9.00	$7.50

MASTERCASE — Richly enameled in Black or Tortoise. Polished Monogram Shield.

No.	List	Retail
2410 Mastercase	$9.00	$7.50

Masterpact combines Lighter, Cigarette Case and Vanity in one smart unit

MASTERPACT — Engine-Turned and richly enameled in Black, Tortoise & Ivory or Two-Tone Tortoise & Turquoise.

No.	List	Retail
2304 Masterpact	$12.00	$10.00

Lights the Smokes of the Nation

One Finger—One Motion

U. S. PAT. RE. NO. 19023
TRADE MARK REGISTERED

RONSON

CANADIAN PAT. NOS. 288,148 — 289,889 308,844 — 311,040 BRITISH PAT. NO. 291,695

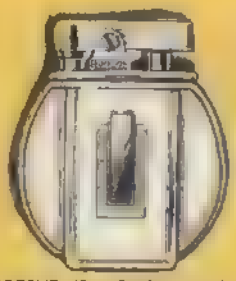
FLIP—it's lit!

WORLD'S GREATEST LIGHTER

RELEASE—it's out!

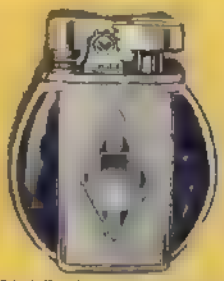
Illustrations about 4/5 actual size

All genuine Chromium Plated except Rhodium Lighters shown below



REGENT JR — Richly enameled in White & Green or Tortoise & Ivory. Polished Monogram Shield

No	List	Retail
2087 Regent Jr	$6.00	$5.00



REGENT JR. — "Engine-Turned" and richly enameled in Tortoise & Ivory or Black & White. Polished Monogram Shield,

No	List	Retail
2091 Regent Jr	$6.00	$5.00

RONDETTE JR — "Engine-Turned" and richly enameled in Two-Tone Tortoise or Tortoise & Turquoise.

No	List	Retail
2118 Rondette Jr.	$6.00	$5.00

RONDETTE JR — "Engine-Turned" and richly enameled in Black & White or Tortoise & Ivory Polished Monogram Shield.

No	List	Retail
2115 Rondette Jr	$6.00	$5.00

RONDETTE — Richly enameled in Black & Pearl or Two-Tone Tortoise. Polished Monogram Shield.

No	List	Retail
2180 Rondette	$6.00	$5.00

Pocket Lighters in RONSON RHODIUM *DeLuxe*

RHODIUM Fine Line

No	List	Retail
3048	$7.80	$6.50

Featuring fine cut "Engine-Turning"

RHODIUM Regent Jr.

No	List	Retail
3030	$7.80	$6.50

Plated with RHODIUM *The Ultra Precious* Non Tarnishing "Diamond of Metals"

RHODIUM Ace

No	List	Retail
3018	$7.80	$6.50

RHODIUM Majestic

No	List	Retail
3006	$9.00	$7.50

ACE — "Butler" finished richly enameled in Black or Tortoise. Polished Monogram Shield.

No	List	Retail
2356 Ace	$6.00	$5.00

RONDETTE — Butler' finish, 'Engine-Turned." Polished Monogram Shield.

No	List	Retail
15085 Rondette	$6.00	$5.00

ACE — "Engine-Turned" and richly enameled in Black & White or Tortoise & Ivory Monogram Shield

No	List	Retail
2357 Ace	$6.00	$5.00

RONDETTE — "Engine - Turned" and richly enameled in Black, White or Tortoise. Polished Monogram Shield.

No	List	Retail
2183 Rondette	$6.00	$5.00

FINE LINE — "Butler" finish, "Engine-Turned" and richly enameled in Black or White. Polished Monogram Shield.

No	List	Retail
2074 Fine Line	$6.00	$5.00

FINE LINE — "Engine-Turned" and richly enameled in White or Black Polished Monogram Shield.

No	List	Retail
2082 Fine Line	$6.00	$5.00

Lighter swings fanwise out of case

VEE — "Engine-Turned" and richly enameled in Black White or Tortoise Polished Monogram Shield and colored silk tassel.

No	List	Retail
2417 Vee	$7.80	$6.50

Lights the Smokes of the Nation — One Finger — One Motion

U. S. PAT. RE NO. 19023 TRADE MARK REGISTERED

RONSON

CANADIAN PAT. NOS. 288 148 — 289 889 308,844 — 311,040 BRITISH PAT. NO. 291 695

FLIP - it's lit! — WORLD'S GREATEST LIGHTER — RELEASE - it's out!

Illustrations about 4/5 actual size

All genuine Chromium Plated

PRINCESS — "Fancy design. Polished Monogram Shield.

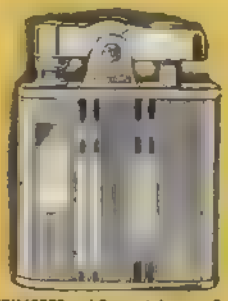
No.	List	Retail
15236 Princess	$4.20	$3.50
2035 Standard	4.20	3.50

PRINCESS — "Butler finish. Polished Monogram Shield

No.	List	Retail
021 Princess	$4.20	$3.50

STANDARD — 'Butler' Finish. Polished Monogram Shield

No.	List	Retail
21 Standard	$4.20	$3.50



PRINCESS — 'Fancy' design. Polished Monogram Shield.

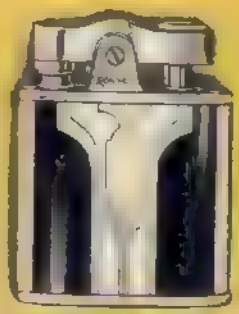
No.	List	Retail
2158 Princess	$4.20	$3.50

PRINCESS — Richly enameled in Tortoise or Black. Polished Monogram Shield.

No.	List	Retail
01151 Princess	$4.80	$4.00
1151 Standard	4.80	4.00

PRINCESS — Richly enameled in Tortoise & Ivory or Black & White. Polished Monogram Shield.

No.	List	Retail
2136 Princess	$4.80	$4.00
2137 Standard	4.80	4.00



PRINCESS — Richly enameled in Black & White or Tortoise & Ivory Polished Monogram Shield.

No.	List	Retail
2138 Princess	$4.80	$4.00

PRINCESS — 'Engine-Turned' and richly enameled in Black, Tortoise or White. Polished Monogram Shield

No.	List	Retail
2144 Princess	$4.80	$4.00

PET — Richly enameled in Black & White or White & Green. Polished Monogram Shield.

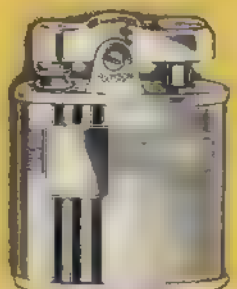
No.	List	Retail
15241 Pet	$4.80	$4.00

PET — Richly enameled in White & Green or Black & White. Polished Monogram Shield

No.	List	Retail
2178 Pet	$4.80	$4.00

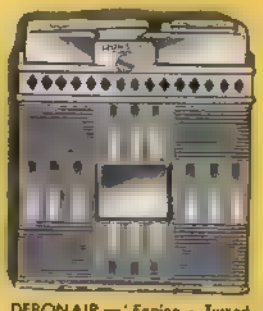
PET — Richly enameled in Tortoise & Ivory or Black & White. Polished Monogram Shield.

No.	List	Retail
2173 Pet	$4.80	$4.00



PRINCESS — 'Engine-Turned' and richly enameled in Black or Tortoise. Polished Monogram Shield

No.	List	Retail
2330 Princess	$6.00	$5.00



DEBONAIR — 'Engine-Turned with Polished Monogram Shield

No.	List	Retail
2348 Debonair	$7.80	$6.50

REGAL — Engine-Turned and richly enameled in Black. Polished Monogram Shield.

No.	List	Retail
2341 Regal	$7.80	$6.50

MAJESTIC — Engine-Turned and richly enameled in Black. Polished Monogram Shield.

No.	List	Retail
2396 Majestic	$7.80	$6.50

DEBONAIR — 'Engine-Turned' and richly enameled in Black or Tortoise Polished Monogram Shield.

No.	List	Retail
2346 Debonair	$7.80	$6.50

A Winning Proposition

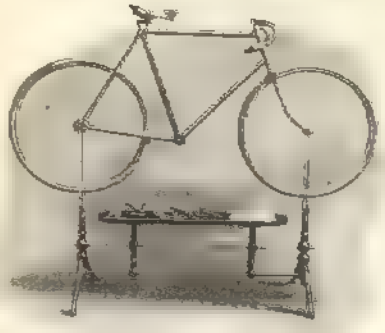
That is what you will say on our line of tires after examining our 1902 catalogue of

TIRES,
RUBBER GOODS,
AND
SPECIALTIES

If you haven't received our catalogue, write at once. We are quoting prices that are sure to interest you. We have the best and easiest selling line of tires made. We mean business, and we intend to have lots of it. Write to-day for our special proposition on first orders.

THE HOOVER-BALL CO.
NEWARK, OHIO

So Convenient for Showing Up
A WHEEL AND PARTS



CYCLE EXHIBITION STAND

FOR SALE BY
ANY LEADING JOBBER
OR
New England Cycle Supply Co.
KEENE, N. H.

FELT GRIPS

FOR BICYCLES

D. P. HARRIS
Selling Agent
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WOODWORTH BROS.
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NEWTON HIGHLANDS, MASS.

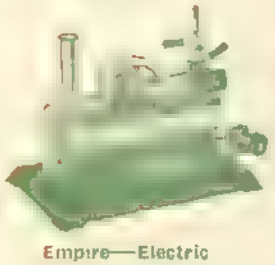
THERE CAN BE
NOTHING BETTER
THAN THE
OAK SADDLE

SIMPLY BECAUSE
NOTHING BETTER
can be made; and as
WE MAKE EACH AND EVERY PART
of it, we are able to
NAME A PRICE
and to back it with a
GUARANTEE
such as goes with
No Other Saddle

Newark Cycle Specialty Co.
NEWARK, N. J.

MINIATURE ENGINES

STEAM



Empire—Electric

A regular steam engine, horizontal type, with an electrical heating element to create steam. Equipped with throttle for varying speeds and a real steam whistle. Safety valve and water gauge prevent excess steam pressure. Its assembly is a seamless drawn copper boiler, a heavy cast base, strong brass running parts and steel connections and highly nickel plated. Operates on any standard light socket without transformer.

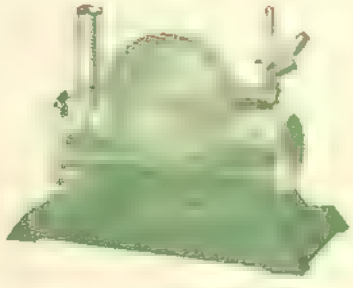
NO	Size In	Watts	lb Ea	Pkg	
B30	7¼x5¾x7¾	300	7	3	$16.00

Empire—Electric

This model is exactly like B30 the horizontal type. The only difference is found in the vertical construction. See Model B30 for mechanical construction.

NO.	Size In.	Watts	lb Ea	Pkg	
B31	7x6x10	350	6	3	$16.00

STEAM



Empire—Electric

Miniature duplicate of large single phase steam turbines. Equipped with throttle, whistle, safety valve, water gauge, seamless drawn copper boiler with heavy cast base, strong brass running parts and steel connecti[illegible] curately machined and nickel [illegible]

NO	Size In	Watts	lb Ea	Pkg	
B35	[illegible]x7¾	100	6½	[illegible]	[illegible]

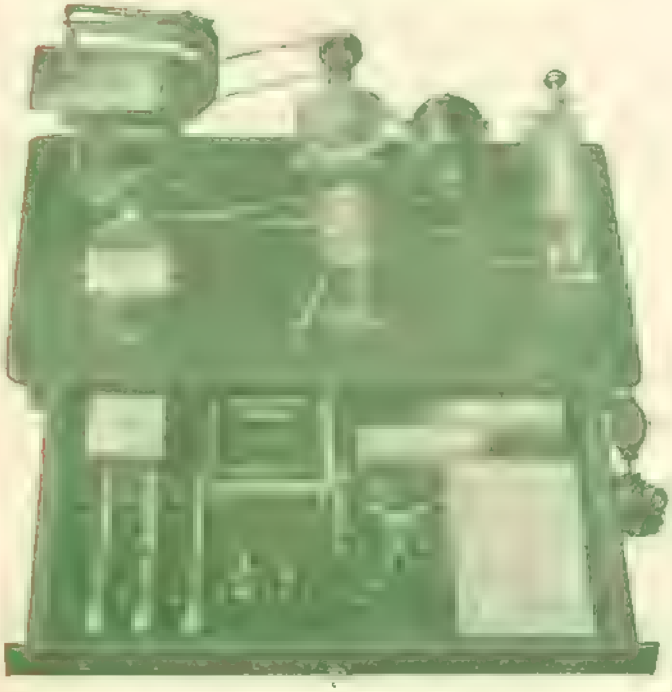
HOT AIR

Empire—Electric

Driven by hot air expansion. Operates on a standard electric light socket, develops unusual power and will run for hours. Assembled on a heavy cast base with brass running pi[illegible] steel connection. Finished in [illegible] red color and nickel plated trim[illegible]

		lb Ea	Pkg	
B38	[illegible]	[illegible]	[illegible]	[illegible]

KNAPP WORK SHOP



One in a wooden box.

KNAPP WORK SHOP

Consists [illegible] motor, jig saw, lathe, sander and grinder transmission, special steel cutting tools, one set centre d[illegible] Jaw chuck drill attachment for lathe, sandpaper 12 sheets sand paper, bottle of glue, awl screw driver, complete set of belts; already connected, 2 wood blocks, one jig saw board plain, one work shop manuel, one instruction sheet for assembling etc. Board marked for exact location of tools. Packed knocked down, to prevent breakage.

NO	Size In	lb Ea	
995	26x14½	45	[illegible]

One in a carton.

KEYSTONE MOVIEOGRAPH

equipped with 6 [illegible] new safety film, standard gauge, steel construction; leather pattern, baked, crystalized enamel finish, nickel trimmings. Wooden base. Equipment consists of six feet of cord, plug and socket, one compartment side, one U draw-em slide, generous supply of tickets, bill posters etc., and a sheet of instructions.

No.	Size In.	Size of Picture	Lb. Ea.	EACH
591	5¾x10¾x10	38x50	7	$10.70

One in a box.

Electric equipped, with 10 ft. of new safety film, standard gauge. Constructed of steel, leather pattern, baked crystalized enamel finish, nickel trimmings. Wooden base with rubber tabs on bottom to prevent scratching the furniture. Additional equipment, adjuster for electire bulb; including six feet of cord, plug and socket one compartment slide, one U-draw-em slide, generous supply of tickets, bill and a sheet of instructions.

NO.	Size In.	Size of Picture	Lb. Ea.	EACH
198	6¾x14¾x19	45x60	9½	$14.20

One in a box.

Electric equipped with 25 feet of new safety film, [illegible] standard gauge. Steel construction, leather pattern, baked [illegible]talized enamel finish, nickel trimmings. Adjusted for lens, wooden base with rubber tabs on bottom. Has rewind pulley. Polished fly wheel, sprocket barrel with rollers so that film will not come off or tear. Extra large lens tube, with lens adjusting mechanism and three powerful lens, including condensing lens. Highly polished reflector, one compartment slide, U-draw-em slide, generous supply of tickets badges, etc., also card of instructions.

No.	Size In.	Size of Picture	Lb. Ea.	EACH
261	6¾x14¾x19	60x72	10½	$21.[illegible]

One in a box.

EYE PROTECTORS, EYE SHIELDS AND GOGGLES.

NICKEL PLATED FRAME, SMOKE AND BLUE LENSES.

Steel Nickel Plated Frame, Large Smoke or Blue Lenses, Riding Bows, Patent Joints.

No. 1506 ..... Per Dozen $2.20

NICKEL FRAME, SMOKE LENSES.

Fine Steel Frames, Close Joints, Four Smoke Lenses, Riding Bow Temple, Excellent to Protect Eyes

No. 1513 ..... Per Dozen, $18 00

SMOKE LENS SPECTACLES.

Good Nickel Plated Frame, Riding Bow, 00 Eye, Smoke or Blue Lenses, Assorted Sizes

No. 1507 ..Per Dozen, $2.40

Steel Nickel Plated Riding Bow, 00 Eye Smoke Lenses Assorted Shades Fine Goods

No. 1508 ..... Per Dozen $3 30

No. 1509 Nickel Eye Children's Size Smoke Lenses ..... Per Dozen, $2 40

Steel Riding Bow Frame, Smoke Lenses with Side Wire Gauze Screen Attached to Temples. In case. An excellent Eye Protector

No. 1514 ..... Per Dozen $8 00

No. 1510 Steel Frame, Large Smoke Lenses Assorted Per Dozen, $2 00

No. 1511 Nickel Plated Frame Large Smoke Lenses . Per Dozen 2 50

No. 1512 Solid Nickel Frame Large Smoke Lenses .Per Dozen, 3 00

Nickel Plated Eye Protectors Large Clear Lenses Riding Bow Frame, Excellent to Protect Eyes from Dust

No. 1515 ..... Per Dozen $2 50

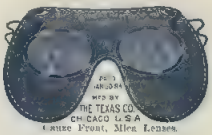
Per Dozen

No. 1516 Wire Gauze Goggles, Assorted Color Lenses $1 50

No. 1517 Wire Gauze Goggles, Clear Lenses . 1 50

These are put up in Tin Boxes.

TEXAS AUTOMOBILE GOGGLES.



Gauze Front, Mica Lenses.

No. 1521 ..... Each, $1 00

Leather Front, Mica Lenses.

No. 1522 Each, $1.50

BELT'S EYE SHIELDS.

Belts Eye Shields. Clear Colored Lenses

No. 1523 ..... Per Dozen $2 40

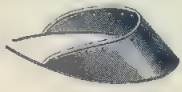
LAMP'S MICA EYE SHIELDS.

Folding in Center. Clear or Smoke.

No. 1518 .Per Dozen $4 00

Celluloid Eye Shade with Strap, Bike cut

No. 1519..... Each $0.30



Paper Eye Shade, with Wire Band.

No. 1520 ..... Each $0 30

TEXAS EYE SHIELDS.

No. 1524 All Mica Shields Like cut Per Dozen, $3 00

No. 1525 Gauze Frame Mica Lenses . Per Dozen, 4.00

Smoke or Clear Lenses,

Medium Weight, Oval Eye Wire, Regular Riding Bow Temples, Bevel End Piece. This is the Regular Prescription Frame. Made in all sizes of eye, 1, 0 and 00 eye.

No. 1403	8k Frame, like cut	each,	$4 00
No. 1404	10k Frame, like cut	each,	4 80
No. 1405	14k Frame, like cut	each,	6 50

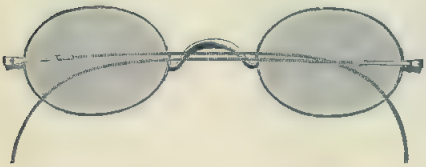
For Convex Lenses in Frame add 15c NET.

SOLID GOLD FRAMES.

Heavy Weight Frame, Oval Eye Wire, Regular Riding Bow Temples, Bevel End Piece. Very Durable. Made in all sizes, 1, 0, and 00 eye.

No. 1406	8k Frame, like cut	each	$4 50
No. 1407	10k Frame, like cut	each,	5 20
No. 1408	14k Frame, like cut	each,	7 20

For Convex Lenses in Frame add 15c NET.



SOLID GOLD FRAMES WITH CABLE BOWS.

Medium Weight Frame, Cable Temples, Oval Eye Wire, Bevel End Piece. Made in all sizes, 1, 0 and 00 Eye.

No. 1409	8k Frame like cut	each	$5 00
No. 1410	10k Frame, like cut	each	6 00
No. 1411	14k Frame like cut	each	8 00

For Convex Lenses add 15c NET.

SOLID GOLD RIMLESS SPECTACLES

Bevel End Pieces, Regular Riding Bows.

		Per Pair
No. 1412	10k Mountings only	$3 40
No. 1413	10k Mountings, with Convex Lenses, 0 to 00 Eye	5 00
No. 1414	14k Mountings only	6 00
No. 1415	14k Mtgs. with Convex Lenses, either 0 or 00 Eye	8 00

SOLID GOLD MOUNTINGS, WITH CABLE TEMPLES

		Per Pair
No. 1416	10k Mountings only	$4 00
No. 1417	10k Mtgs. with Convex Lenses, either 0 or 00 Eye	6 00
No. 1418	14k Mountings only	7 80
No. 1419	14k Mtgs. with Convex Lenses, either 0 or 00 Eye	9 40

SOLID GOLD FRAMES. STRAIGHT TEMPLES

Oval Eye Wire, Straight Temple, Medium Weight, 1, 0 or 00 Eye.

No. 1420	8k Frame, like cut	each,	$4 50
No. 1421	10k Frame, like cut	each,	5 40
No. 1422	14k Frame, like cut	each,	7 50

For Convex Lenses add 15c Net.

SOLID GOLD FRAMES, STRAIGHT TEMPLES.

Flat Eye Wire, in either 1, 0 or 00 Eye, Medium Weight.

No. 1423.	8k Frame, like cut	each	$5 00
No. 1424.	10k Frame like cut	each,	5 50
No. 1425.	14k Frame, like cut	each,	7.50

For Convex Lenses add 15c Net.

FINE GOLD FILLED SPECTACLE FRAMES.

GOODYEAR

Goodyear Gold Filled Frames are made of 10k Gold Filled Seamless Wire. Fine Quality and Excellent Finish. Guaranteed for 10 Years, and gladly replaced if found defective during this time. Each one tagged Goodyear Norris Allister & Co.

Fine Goodyear Gold Filled Frames.

No. 1426. Per Dozen, $12.00

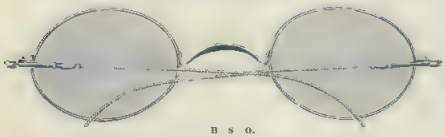
10k Gold Filled Frames, Bevel End Piece, Riding Bow Temples. Guaranteed 10 Years.

No. 1427. Per Dozen, $15.00

10k Gold Filled Frames, Bevel End Piece, Cable Riding Bows. 10 Year Guarantee.

Convex Lenses Fitted to Frames $2.00 Dozen List Extra.

This is our Special Quality Gold Filled Frame, and will be replaced by us, Norris Allister & Co., Should it Fail to Wear 10 Years.



B. S. O.

B. S. O. Gold Filled Frames are made in 10 Year and 20 Year Quality. These Frames are made of Extra Quality Stock. Fine Finish, and gladly replaced if found defective in wear.

Fine B. S. O. Gold Filled Frames.

Made in the 10 Year and 20 Year Quality.

No. 1428. B. S. O. 10 Year . . . . . Per Dozen $16.00
10 Year Gold Filled Frames, R Bow Bevel End Piece. Fine Finish.

No. 1429. B. S. O. 10 year . . . . . Per Dozen $20.00
10 Year Gold Filled Frames, Cable Temple, Bevel End Piece. Fine Finish.

No. 1430. B. S. O. 20 year . . . . . Per Dozen $20.00
20 Year Gold Filled Frames, Riding Bow, Bevel End Piece. Fine Finish.

No. 1431. B. S. O., 20 year . . . . . Per Dozen $25.00
20 Year Gold Filled Frames, Cable Temples.
Convex Lenses Fitted in Above $2.00 Dozen List Extra.

STEVENS QUALITY GOLD FILLED FRAMES.

Stevens Quality 12k Gold Filled Frames are far Superior to the Usual Kind. Have Seamless Eye Wire. Are very Stiff and extra Fine Finish. Use them.

Steven's Quality Gold Filled Frames.

Guaranteed for 12 Years. 12k Gold Filled Stock.

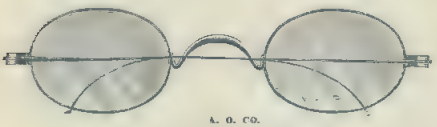
No. 1432. Per Dozen, $15.00

Fine Quality Gold Filled Frames, R Bow, Bevel End Piece, Fine Finish.

No. 1433. Per Dozen, $18.00

Fine Quality Gold Filled Frames, Cable Bow Temples, Bevel End Piece, Fine Finish.

Convex Lenses Fitted in Frames Assorted as Desired at $2.00 Per Dozen List Extra.



A. O. CO.
GOLD FILLED FRAMES.

A. O. Co. Gold Filled Frames are standard—made of 10k Gold Filled Stock. Excellent Quality, Seamless Wire. Extra Fine Finish.

Fine A. O. Co. Gold Filled Frames.

Guaranteed 10 Years. 10k Gold Filled Stock.

No. 1434. Per Dozen, $14.00

A. O. Co. Fine Gold Filled, 10 Year Frames, Riding Bow, Bevel End Piece.

No. 1435. Per Dozen, $16.00

A. O. Co. Fine Gold Plated, 10 Year Frame, Cable Riding Bow Temples, Bevel End Piece.

Convex Lenses Fitted $2.00 Per Doz. List Extra.

GOLD FILLED FRAME.
SOLID GOLD BRIDGE AND ENDS

A Special Quality Frame, Gold Filled with 10k Solid Gold Nose Piece and Bridge, Bevel End Style. Excellent Quality. 10 Year Guarantee.

Fine Gold Filled Frames with Solid Gold Bridge and End Pieces.

Guaranteed 15 Years.

No. 1436. Per Dozen, $20.00

Fine Gold Filled Frames, Riding Bow, 10k Solid Gold Bridge and End Piece, Bevel Ends.

No. 1437. Per Dozen, $24.00

Fine Gold Filled Frames, Cable Riding Bow, 14k Solid Gold Bridge and End Piece, Bevel Ends.

Convex Lenses Fitted to Frames Assorted as Desired $2.00 Per Dozen List Extra.

GOLD FILLED
RIMLESS SPECKS.

Our Rimless Mountings are 10k Filled, Guaranteed 10 Years. Bevel End Piece. Extra Quality and Finish.

Fine 10-Year Gold Filled Rimless Spectacle

No. 1438. Per Pair, $1.40

10 Year Gold Filled Mounting, R Bow Ons.

No. 1439. Per Pair, $2.00

10 Year Gold Filled Mountings, R Bow, with Convex Lenses, 0 or 00 Eye.

No. 1440. Per Pair, $2.00

10 Year Gold Filled Cable Temple Mountings, Riding Bow.

No. 1441. Per Pair, $2.70

10 Year Gold Filled Cable Temple Mountings, with Convex Lenses, 0 or 00 Eye.

For Straight Temple Gold Filled Frames, see Page 551.

FINE RIDING BOW FRAME SPIRAL TIP TEMPLES.

No. 1442	10k Solid Gold, Medium Weight, Spiral Temples, Each	$5 00
No. 1443	Extra Fine Gold Filled, 10 Years, Spiral Temples, Each	2 00
No. 1444	Fine Silveroid, Extra Finish, Spiral Temples, Each	100

Lenses Extra.

FLAT TOP SPECTACLE RIDING BOWS.

Very convenient, as it allows the wearer to look over the reading glass without removing same.

No. 1451	10k Solid Gold, Medium Weight, Riding Bow Temples, Each	$5 00
No. 1452	Gold Filled Frame (10 Years), Riding Bow Temples, Each	2 00
No. 1453	Silveroid Frame, with Riding Bow Temples, Each	100

Lenses Extra.

COMBINATION SPECK FRAME

Very Practical. Fit Well on the Nose.

No. 1445	10k Solid Gold Frame, Complete	Each,	$7 00
No. 1446	Gold Filled Frame, Complete	Each,	2 50
No. 1447	Nickel Plated Frame, Complete	Each	1 50

Lenses are Extra. Also made in Rimless Style

GRAB FRONTS.

Used to hook on front part of distance glasses when wishing to use reading glasses.

No. 1454	10k Solid Gold Grab Front	Each	$4 00
No. 1455	Gold Filled (10 Year) Grab Front	Each	1 50
No. 1456	Nickel Plated, Grab Front	Each	1 00

FINE GOLD FILLED SPECK FRAMES.

Guaranteed 10 Years. Straight Temples.

No. 1448	Goodyear Gold Filled Frames (10 Years)	Per Dozen	$11 00
No. 1449	B. S. O. Gold Filled Frame, (20 Years)	Per Dozen	23 00
No. 1450	B. S. O. Gold Filled Frame (10 Years)	Per Dozen	20 00

Convex Lenses fitted $2 00 Per Dozen Extra.

FLAT TOP SPECTACLES.

Straight Temples. Very Convenient, as they allow wearer to look over top of lense, which contains reading glass.

No. 1457	10k Solid Gold, Medium Weight, Straight Temples, Each		$6 00
No. 1458	10k Gold Filled, Medium Weight (10 Years),	Each.	2 50
No. 1459.	Steel Nickel Plated Frames,	Each.	70

Lenses Extra

AJAX RIMLESS SPECTACLES NICKEL MOUNTINGS.

RIMLESS CEMENT BIFOCAL SPECTACLES.

No. 1460. Per Dozen, $10.00

Medium Quality Nickel Plated Mounting. Good Quality Convex Lenses. Cement bifocal 0 Eye. Lenses assorted 5 to 20. Uppers to match.

AJAX EYE PROTECTOR.

No. 1462. Per Dozen, $4.40

Medium Quality Rimless Eye Protectors, Fine Clear White Lenses. Nickel Plated Mounting. Large Eye Size. Very Practical and a Splendid Seller.

No. 1461. Per Dozen, $6.00

Medium Quality Nickel Plated Mounting, Good Quality Convex Lenses, Riding Bow Temples, 0 Eye Size Lenses. A Very Practical Rimless Spectacle.

Lenses Assorted 8 to 24 and 10 to 36.

SMOKE RIMLESS SPECTACLE

No. 1463. Per Dozen, $4.00

Medium Quality Rimless Smoke Speck Lenses, Nickel Mounting Riding Bow Temple, 0 Eye Lenses.

Lenses are Assorted Shades, Ajax Mountings.

FINE STEEL FRAMES, NICKEL PLATED.

Furnished in any Eye Size

No. 1464. Medium Quality Frame, Nickel Plate Finish...Per Dozen, $2 40
No. 1465. Medium Quality Frame, Extra Finish, ...Per Dozen 2 80
No. 1466. Fine Quality Frame, Extra Finish ... ... Per Dozen, 1 60

Can furnish these Frames fitted with Convex Lenses Assorted for $2 00 Per Dozen Extra

FINE ALUMNICO FRAMES, EXTRA FINISH

Alumnico and Alumnico Frames are made of a Special Fine Partly White Metal. Is light and durable. Will not Rust or Tarnish. Very Fine Finish.

No. 1469 Fine Alumnico Frames, Extra Finish ..... Per Dozen, $3.50
No. 1470 Fine Alumnico Frames, Extra Finish..... .. Per Dozen, 4 00

Can furnish these Frames fitted with Convex Lenses Assorted for $2 00 Per Dozen Extra

FINE GERMAN SILVER OR SOLID NICKEL FRAMES.

Made of a Special Quality of White Metal Will not Tarnish or Rust Have an Extra Fine Finish. Medium Weight

Per Dozen

No. 1467 Fine Solid Nickel Frame, Oval Eye Wire, Straight. ... $2 80
No. 1468. Fine Solid Nickel Frame, Flat Eye Wire, Straight..... 2.80

These Frames Fitted with Convex Lenses, Assorted as Desired $2 00 Per Dozen Extra

EXTRA QUALITY ROMAN ALLOY FRAMES.

Straight Temple.

These are Heavily Gold Plated Fine Finish, and much more Satisfactory than the Cheaper Quality—Furnished in 1 and 0 Eye.

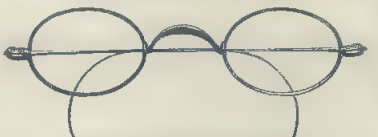
Per Dozen

No. 1471 Roman Alloy Frame, Flat Eye Wire Straight Temple..... $3 00
No. 1472 Roman Alloy Frame, Oval Eye Wire Straight Temple.. .... 3.00
No. 1473. Regaloid Gold Alloy Frame, Oval Eye Wire Straight Temple 3.50
No. 1474. Regaloid Gold Alloy Frame, Flat Eye Wire Straight Temple 3 50

Convex Lenses Fitted $2 00 Per Dozen Extra

STEEL FRAMES, NICKEL PLATED FINISH.

No. 1475. Good Steel Frame, Nickel Plated Riding Bow Per Dozen $3 00
No. 1476. Fine Steel Frame, Nickel Plated Riding Bow Per Dozen 3 50



FINE GERMAN SILVER SPECK FRAMES.

These Frames are made of Special Quality of White Metal. Will not Tarnish or Rust Extra Finish. Made in all Eye Sizes One 0 and 00 Eyes.

Per Dozen

No 1479. Fine German Silver Frame, R Bow Extra Finish $2 00
No. 1480. Fine German Silver Frame, Cable Ridling Bow 4 50

Can Furnish Convex Assorted Lenses in these Frames for $2 00 Per Dozen List Extra

FINE STEEL FRAMES, EXTRA NICKEL PLATE.

This Frame is Furnished in any Eye Size One 0 or 00 Eye

Per Dozen.

No. 1477 Fine Steel Frames, Nickel Plated Riding Bows..... ..$4 00
No. 1478. Fine Steel Frames, Extra Nickel Plated Riding Bows .. 5 00
These Frames with Convex Assorted Lenses $2 00 Per Dozen List Extra

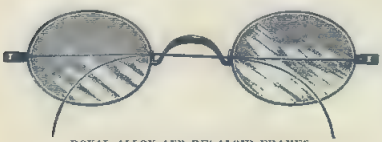
FINE ALUMNICO SPECK FRAMES, FINE FINISH

This Frame is made of Special Quality Alumnico, Medium Weight, Fine Finish Bevel End Piece. Durable

Per Dozen

No. 1481 Fine Alumnico Frame, R Bow, Extra Finish, like cut . $3 50
No. 1482 Fine Alumnico Frame, Cable Bow Extra Finish, like cut 3.50
No. 1483. Fine Alumnico Frame, R Bow, Gold Filled Nose Piece. .. 5.00
No. 1484 Fine Alumnico Frame, Cable Bow Gold Filled Nose Piece 7 00

Convex Lenses in Frames $2 00 Per Dozen List Extra



ROYAL ALLOY AND REGALOID FRAMES.

Made of Gold Alloy Metal Gold Plated.

No. 1485. Royal Alloy Frame Riding Bow . . Per Dozen, $3 00
No 1486. Regaloid Alloy Frame, Riding Bow.... Per Dozen, 3.50

Convex Lenses Fitted $2 00 Per Dozen List Extra.
Regaloid Frames are Special Alloy and give Good Results.

FINE RIMLESS SPECTACLES, RIDING BOWS

Per Dozen.

No 1487 Fine Nickel Plated Rimless Specks, with Lenses... $12 00
No 1488. Fine Alumnico Rimless Specks, with Lenses 14 00
Furnished with Convex Lenses as Desired.

STEEL, NICKEL AND ALUMINUM SPECTACLES.

Frames With Lenses Fitted Complete.

STEEL NICKEL PLATED SPECTACLES

No. 1489 ..... Per Dozen, $1 50
Medium Quality Nickel Plated Frame, Patent Joint Piece (No Screws), Long Straight Temples, Medium Sized Convex Lenses, Assorted as Below
Lenses Assorted 5 to 16, 8 to 24 and 10 to 36.

STEEL NICKEL PLATED SPECTACLES.

No. 1490 ..... Per Dozen, $3 00
Good Quality Nickel Plated Frame, Screw End Piece, Long Straight Temple, 1 Eye Lenses.
Assorted 5 to 16, 8 to 24 and 10 to 36.

FINE QUALITY STEEL NICKEL PLATED SPECTACLES.

Fine Steel Frame, Nickel Plated Screw Joint

No. 1491 ..... Per Dozen, $4 00
Long Straight Temples, Large Size, Fine Quality Convex Lenses, Assorted as Desired

NICKEL PLATED RIDING BOW SPECTACLES

No. 1493..... Per Dozen, $2 80
Medium Quality Steel, Nickel Plated Frames, Riding Bow, Patent End Piece (No Screws) Convex Assorted Lenses 8 to 24 and 10 to 36.

FINE QUALITY ALUMINO AND GERMAN SILVER SPECTACLES.

Per Doz.
No. 1492 Fine Aluminico Frames, Convex Lenses Assorted $5 00
No. 1492½ Fine German Silver Frames, Convex Lenses Assorted 4 00
Frames are Standard Size. Long Temple Screw Ends.

NICKEL PLATED RIDING BOW SPECTACLES

No. 1494 ..... Per Dozen, $3 20
Good Quality Steel, Nickel Plated Frame, Riding Bow Temples, Screw End Piece, Convex One Eye Lenses. Assorted 8 to 24 and 10 to 36.

SPLIT BIFOCAL SPECTACLES.

No. 1497 Wrought Nickel Plated Split Bifocal Specks Per Dozen $3 00
No. 1498 German Silver Frame, Split Bifocal Specks Per Dozen 5 00
No. 1497 Aluminico Frame, Split Bifocal Specks... Per Dozen 7 00
Reading Lenses 5 to 20, Upper to Match

CEMENT AND PERFECTION BIFOCAL SPECTACLES.

No. 1502 ..... Per Dozen, $8 00
Nickel Plated Riding Bow Frame, Cement Bifocal Lenses, Reading Lenses Assorted 5 to 20, Upper to Match

No. 1503 ..... Per Dozen, $10 00
Nickel Plated Riding Bow Frame, Perfection Bifocal Lenses, Assorted 5 to 20, Upper to Match

CEMENT AND PERFECTION BIFOCAL SPECTACLES

Per Dozen
No. 1498 Steel Frame, Nickel Plated, Cement Bifocal Lenses ..... $ 7 00
No. 1499 Solid Nickel Frame, Cement Bifocal Lenses 8 00
No. 1500 Steel Frame, Nickel Plated, Perfection Bifocal Lenses 12 00
No. 1501 Solid Nickel Frame, Perfection Bifocal Lenses 13 00
Prices are for Reading Lenses Reading 5 to 20, Upper to Match.

GERMAN SILVER AND ALUMINICO SPECTACLES

No. 1504 German Silver Frame, Convex Lenses Assorted. Per Dozen, $4 50
No. 1505. Aluminico Frame, Convex Lenses ..... Per Dozen, 6 00
Lenses Assorted as Desired.

ROYAL ALLOY AND GERMAN SILVER SPECTACLES

Per Dozen
No. 1506. Royal Alloy Frame, Flat Eye Wire, Convex Lenses $4 50
No. 1507 German Silver Frame, Flat Eye Wire, Convex Lenses 4 50

LUCIEN PICCARD

PRESENTATION WATCHES

(A) Dynamic and handsome self winding Seashark Automatique watch. Calendar model gives time, day and date. 17 jewel Swiss movement. Water resistant*, shock resistant, anti-magnetic. Matching strap

1091W27000–14K Yellow Gold **Retail $450.00**
1092W20100 10K Y. G. Filled. **Retail $335.00**
1093W16750–Stainless Steel. **Retail $275.00**

(B) Sleek, space age styling. A watch fit for a king. Self-winding Seashark Automatique watch with quality 17 jewel Swiss movement. Calendar feature, water-resistant*, shock resistant, anti-magnetic. Matching bracelet

1068W15600 10K Y G Filled **Retail $260.00**

(C) Designed for the man whose standards of quality are above consideration of price. Ultra thin water resistant* watch accented by 12 brilliant diamonds 17 jewel Swiss movement Shock resistant. anti-magnetic Strap.

1005W22900 – 14K White Gold. **Retail $375.00**
1094W16750 With 4 diamonds **Retail $275.00**

(D) Handsome new self-winding Seashark Automatique model featuring a cushion shape, water resistant* case. 17 jewel Swiss movement Shock resistant, anti-magnetic. Bracelet

1095W18000–14K Yellow Gold **Retail $300.00**
1096W12300 10K Y. G Filled **Retail $205.00**
1097W9950 Stainless Steel **Retail $165.00**

(E) A brilliant modern interpretation in this self-winding Seashark Automatique watch. Calendar feature, water resistant* 17 jewel Swiss movement. Shock resistant, anti-magnetic. Quality strap

1098W22900 14K Yellow Gold **Retail $375.00**
1099W16750 10K Y. G. Filled **Retail $275.00**

(F) Distinctive and handsome self-winding Seashark Automatique model with calendar feature 17 jewel Swiss movement Water resistant*, shock resistant, anti-magnetic. Matching Gold Filled bracelet.

1100W18000 14K Yellow Gold **Retail $300.00**

A Collection of Fine Watches for the Busy Executive

(G) Ultra thin, outstanding for its simplicity Quality 17 jewel Swiss movement Water resistant,* shock resistant, anti magnetic. Attractive Gold Filled bracelet

1101W12000—14K Yellow Gold **Retail $200.00**
1102W9300 –10K Yellow Gold Filled 155.00

(H) Striking in elegance, self-winding Seashark Automatique model. Tells time, day and date automatically Quality 17 jewel Swiss movement. Water-resistant*, shock resistant, anti-magnetic. Handsome Gold Filled bracelet

1103W19950—14K Yellow Gold. **Retail $325.00**
1104W12800 10K YellowGold Filled **Retail $212.50**
1105W10700—Stainless Steel **Retail $175.00**

*If case, crystal and crown remain intact.

(J) Bold, contemporary styling. Self-winding Seashark Automatique with 17 jewel Swiss movement Water resistant*, shockresistant anti-magnetic.Matching strap

1017W15600 14K Yellow Gold. **Retail $260.00**
1018W10700 10K Yellow Gold Filled **Retail $175.00**
1019W9950 Stainless Steel **Retail $165.00**

(K) New and distinctive self winding Seahark Automatique. Fine 17 jewel Swiss movement. Handsome dial with calendar window Water resistant*, anti-magnetic shock resistant. Attractive strap

1106W13600—10K Y. G Filled **Retail $225.00**
1107W12800 Stainless Steel **Retail $212.50**

(L) Uniquely styled self-winding Seashark Automatique with calendar window and adjustable Gold Filled mesh bracelet 17 jewel Swiss movement. Water resistant*, shock resistant, anti-magnetic

1022W19950—14K Yellow Gold. **Retail $325.00**
1023W10700—Stainless Steel. **Retail $175.00**

(M) Distinctive ultra-thin dress watch with Roman numeral dial. Precision crafted to attain the heights of accurate timekeeping 17 jewel Swiss movement. Water resistant* anti magnetic, shock resistant

1108W12800 -14K Yellow Gold **Retail $212 50**
1109W9700 Stainless Steel. **Retail $160.00**

Axes.

Emperor.

Cast Steel. Fu... Polished . . . . . Per Dozen, †

Weight of Each Axe Stamped on the Poll.

Weights Assorted, 3 to 4, 3½ to 4½, 3½ to 4½, 3½ to 4½, 4 to 5.

One Dozen in a Box

Axes.

Michigan Pattern.

Buckeye.

Extra Cast Steel, Gold Bronzed, Polished Head. . . . . Per Dozen, $

Weight of Each Axe Stamped on the Poll.

Weights Assorted, 3 to 4, 3½ to 4½, 3½ to 4½, 3½ to 4½, 4 to 5.

[redacted]

HARMONICAS.

No. 50. In pasteboard boxes.

No. 50. 8 double holes, zinc reed plates, tin covers.....per doz., $0 35
No. 50. 10 " " " " " " " " " " 43½
No. 50. 12 " " " " " " " " " " 50

No. 50

The Royal Steel Reed.

No 40 10 single holes, white reed plates, steel reed-, nickel covers. ..... per doz , $3 50

No. 33. Single.

Richter.

No 33 10 single holes, brass reed plates, nickel covers..per doz., $0 50
No 33 12 " " " " " " " " " " 60

No. 6.

M. Hohner.

No. 67 10 single holes, brass reed plates, nickel covers..per doz., $2 00

No. 33. Double.

Richter.

No 33. 20 single holes, brass reed plates, nickel covers per doz., $1 10
No 33 24 " " " " " " " " " " 1 25

No. 68 Single

M. Hohner.

No. 68. 10 double holes, 40 reeds, brass reed plates, nickel covers ..... per doz , $4 50

No. 31. Double.

Gebrüder Ludwig-Richter Concert.

No. 31. 20 double holes, brass reed plates, German silver covers ..... per doz., $3 50

No. 69 Single.

M. Hohner.

No. 69 10 double holes, 40 reeds, brass reed plates, nickel covers .. .. . per doz., $5 25

No. 44.

Gebrüder Ludwig Professional Concert.

No. 44. 10 double holes, brass reed plates, engraved, silver covers .. .. per doz., $3 50

No. 65. Double.

M. Hohner.

No. 65. 20 double holes, 80 reeds, brass reed plates, nickel covers .. ..

HARMONICAS.

No. 54.

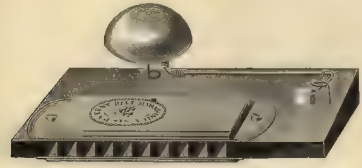
Vienna Concert.

No. 54	24 double holes, zinc reed plates, nickel covers	per doz.,	$3 50
" 54	32 " " " " "	"	3 00
" 54	40 " " " " "	"	4 00

No. 478.

Wilhelm Thie.

No. 478	24 double holes, brass reed plates, octave and tremolo, nickel covers	per doz.,	$5 50
" 478	32 " " " " "	"	7 25
" 478	48 " " " " "	"	8 75



No. 70.

Richter, with Bells.

No. 74—10.	Best quality, double holes, brass reed plates, silver covers, 1 bell	per doz.	$2 90
" 74—10	" " " " " " 3 bells	"	3 75

TUNING PIPES.

No. 10—12.

No. 10.	German silver, key of A, in white metal boxes	per doz.,	$2 10
" 11	" " C, " " "	"	2 10
" 12	" " A and C combined, in white metal boxes	"	2 40

BOW ROSIN.

No. 7.

No. 10.

No. 18.

No. 25.

No. 30.

No. 5	Small sized cakes, in oblong paste boxes	per doz.,	$0 30
" 7	Small sized cakes, in oblong pasteboard boxes	per doz.,	0 30
" 10	Medium sized cakes, in oblong pasteboard boxes	per doz.,	0 35
" 14	Medium sized cakes, in oblong pasteboard boxes	per doz.,	0 65
" 18	In neat wood case, to be used without removing from case	per doz.,	0 90
30	" Reform rosin " on metal spools, in pasteboard boxes	per doz.,	1 25
" 325	Genuine Gand & Bernardel, Paris, in pasteboard boxes	per doz.,	4 38

READ THE PREFACE BEFORE ORDERING.

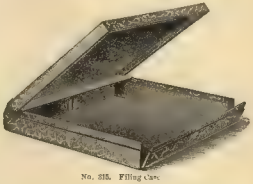
BESLY CABINET LETTER FILES.

Dimensions—Height, 14 inches, width, 6 inches, depth 12 inches

Dimensions—Height, 17 inches, width, 16 inches; depth, 12 inches

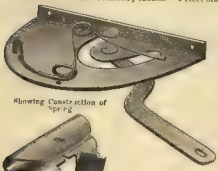
Besly File Closed.

Dimensions -10x12x3¼ inches. Price, single, $2 00.



No. 315. Filing Case.

Size, 10 x 13 x 8¼ inches. Price, per dozen, $4 20



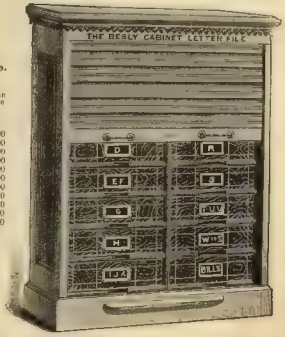
Showing Construction of Spring

Front view of Index Holder, showing method of inserting.

PRICE LIST

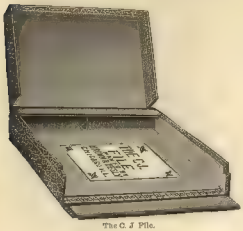
Of Besly Cabinet Letter File.

	Open.	With curtain add to price of open
2 Files	$ 5 00	.
3 "	7 00	.
6 "	20 00	.. .85 00
10 "	31 00	. 5 00
13 "	37 00	5 00
15 "	45 00	6 00
18 "	54 00	6 00
24 "	70 00	7 00
30 "	85 00	7 00
36 "	100 00	8 00
48 "	125 00	10 00
48 "	130 00	10 00
60 "	160 00	15 00

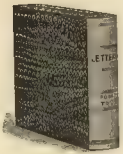


READ THE PREFACE BEFORE ORDERING

BESLY'S LETTER FILES.

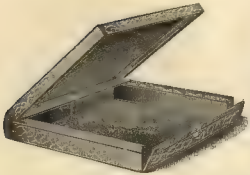


The C. J File.



The Boss File. Closed.

Brown's Perfect Letter File. Open.



Brown's Filing Case.

No. 14C. The Boss File, with Lock.

The Boss File. Open.

The Boss File, with Lock

Price List of Brown' Perfect Letter Files.

No.		Inches Inside.	Style.	Each.	Per Doz.
1 B	Telegram,	6 x 9 x2½	Cloth..	$1 25	$15 00
4 A.	Bill,	9x10x2½	Paper	1 25	15 00
4 B	Bill,	9½x10x2½	Cloth	1 50	18 00
4 C	Bill,	9½x10½x2½	Walnut	2 00	24 00
14 A	Letter	10 x12 x2½	Paper	1 25	15 00
14 B.	Letter,	10 x12 x2½	Cloth..	1 50	18 00
14 C.	Letter.	10 x12 x2½	Walnut	2 00	24 00
THE BOSS,		10 x12 x2½	Paper	75	9 00
	" Lock,	10 x12 x2½	Paper	1 50	18 00
C. J.,		10 x12 x2½	Paper	50	6 00
24 A	Invoice,	10½x14½x2½	Paper .	1 50	18 00
24 B.	Invoice,	10½x14½x2½	Cloth...	1 75	21 00
24 C	Invoice,	10½x14½x2½	Walnut	2 25	27 00

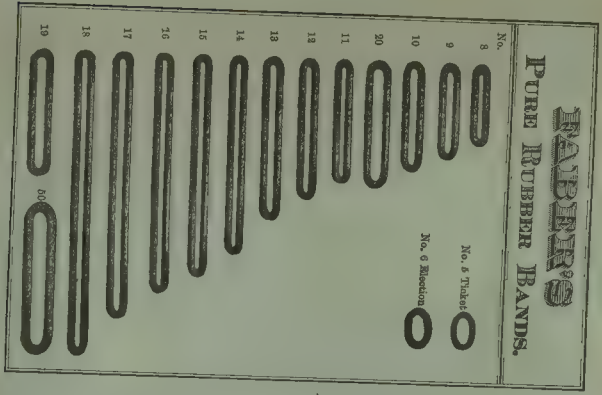
Brown's Letter File Indexes.

Price List of Filing Cases.

No.		Each.	Per Doz.
10.	Telegram, 6x9 inches	$0 20	$2 40
100.	Bill, 9x10½ "	20	2 40
140.	Letter, 10x12 "	30	3 60
141	Letter, monthly, 10x12 inches,	30	3 60
142.	Letter, semi " 10x12	30	3 60
143.	Letter, daily, 10x12 "	30	3 60
144	Letter weekly 10x12	30	3 60
240.	Invoice, 10x14½ "	35	4 20
10.	Telegram, 6 x 9 x2½ "	35	4 20
4.	Bill, 9½x10½x2½	35	4 20
14.	Letter 10 x12 x2½	35	4 20
114	Letter, with pm, 10x12x2½ in .	35	4 20
24	Invoice, " 10½x14½x2½ "	40	4 80

Discount, 25 %.

READ THE PREFACE BEFORE ORDERING.



Price List of Rubber Bands, Faber's.

No.		Per gross.
0½	in. wide, 2 inches long, 1 gro. in box,	$1 00
01	" 2 " " "	1 50
0½	" 2 " " "	2 00
02	" 2½ " " "	2 50
03	" 2½ " " "	1 25
04	" 2½ " " "	1 75
005	" 2½ " " "	3 25
000	" 3 " " "	2 00
000½	" 3 " " "	1 50
600	" 3 " " "	2 00
600½	" 3 " " "	2 50
0000	" 3½ " " "	3 50
0000½	" 3½ " " "	1 75
00000	" 3½ " " "	2 25
00000½	" 3½ " " "	2 75
Light	" 3½ " " "	4 00
"	" 3½ " " "	1 75
"	" 3½ " " "	2 25
"	" 3½ " " "	3 25
"	Assorted,	3 25

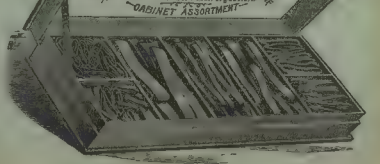
No.		Per gross.
0	Asst'd widths, 2 in. long, 1 gro. in box,	$1 70
00	" " 2½ " 1 " "	2 00
000	" " 3 " 1 " "	2 30
27,	½ inch 1 inch long, 1 gro. in box	50
28,	" 1½ " " "	60
29,	" 1¾ " 1 "	65
30,	" 2 " 1 "	70
31,	" 2½ " 1 "	80
32,	" 3 " 1 "	90
33,	" 3½ " 1 "	1 00
50,	" 1½ inside, 1 "	40
51,	" 1½ inch long, 1 "	40
	in. asst'd lengths, 1 "	1 50
	" " " ½ "	3 60
42,	heavy Rings, 1 gross in box	1 00
43,	" " " ½ "	2 50
44,	" " " 1 "	1 35
45,	" " " ½ "	1 50
		2 00

No.		Per gross.
8	Small rings,	$1 75
9	"	1 90
10	"	2 00
11	"	2 25
12	"	2 50
13	"	2 75
14	"	3 00
15	"	3 25
16	"	3 50
17	"	3 75
18	"	4 00
19	"	4 50
20	"	3 00
11	"	4 50
	In ½ lb. boxes, per lb.	75
6	Election ballot rings, per 1,000	60
5	Ticket, per 1,000	

Package bands,		Per gross.
½	in. wide	$6 00
⅝	" "	7 50
heavy, 5	inch	9 00
7	"	12 50
9	"	15 00

Rubber Bands, in Boxes, Assorted Sizes.

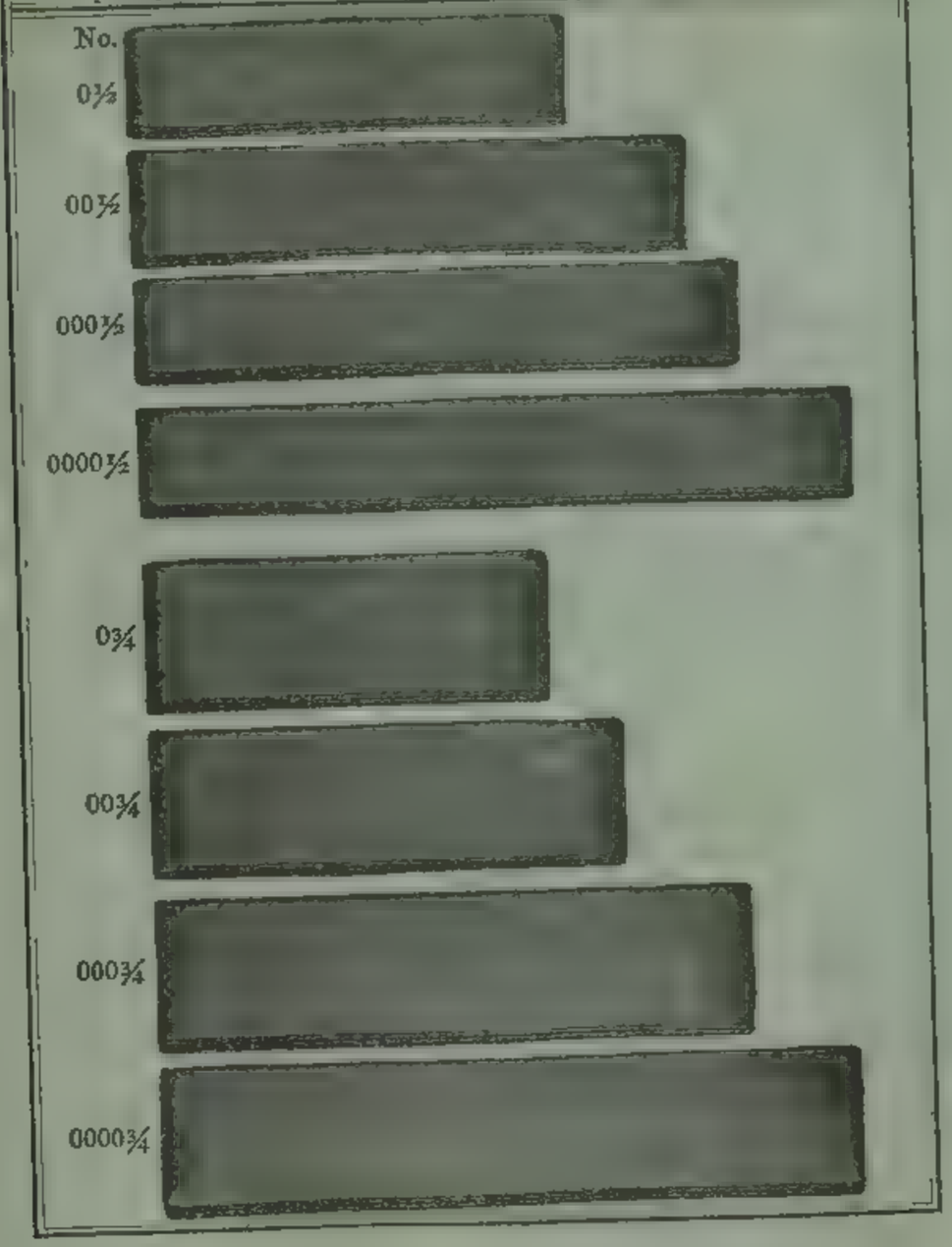
No.		Per box.
1180	Variegated bunders, for placing around small packages, 1,000 in a box	$3 70
100	Assorted red bands	3 86
200	" gray "	1 20
	Assorted gray bands	0 70
400	" " "	40
800	" " per dozen boxes	1 60
	" " " "Cabinet" (see cut)	2 00



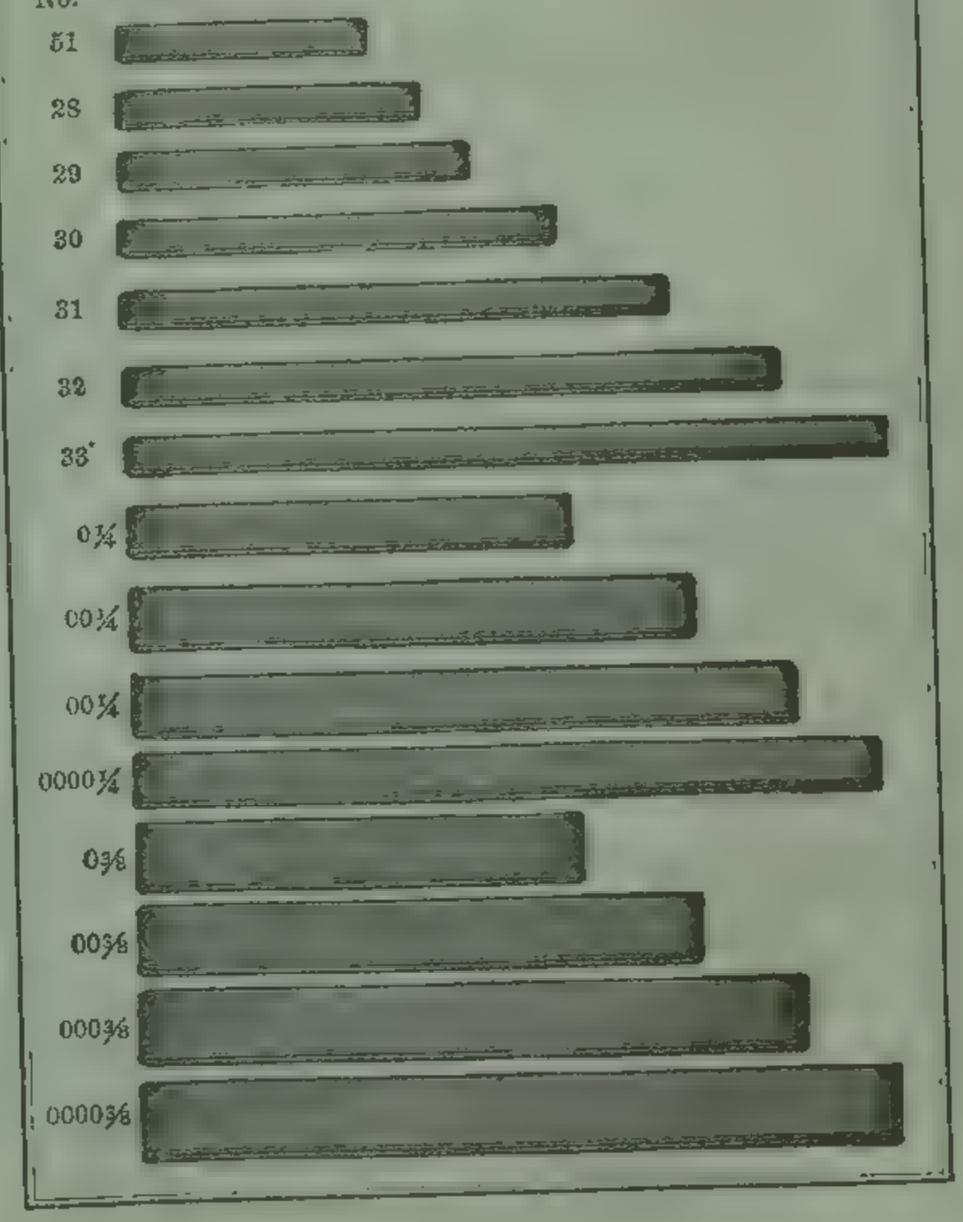
Do not peddle this book. It is only necessary to give names and numbers in ordering.

Prices and Discounts in this List subject to Change without Notice.

FABER'S
PURE RUBBER BANDS.



FABER'S
PURE RUBBER BANDS.



All the Silver Plated Ware on this Page is Stamped "MERMOD, JACCARD & CO." QUADRUPLE PLATE, and is so Warranted.

No. 2025.
$4.50.
Quadruple Silver Plate Caster. Handsomely Engraved. Five Fine Cut Glass Bottles.

10½ Inches High. Stamped "MERMOD, JACCARD & Co"

No. 2026
$4.00.
Quadruple Silver Plate Caster. Handsomely Engraved. Five Fine Cut Glass Bottles

13½ Inches High. Stamped "MERMOD, JACCARD & Co"

No. 2027.
$3.50.
Quadruple Silver Plate Caster. Very Handsome Engraved Five Fine Cut Glass Bottles.

14¾ Inches High. Stamped MERMOD, JACCARD & Co"

Read inside front cover page. Be particular to give number and price when sending an order.

Our Wares are all of the finest. We promise you entire satisfaction.

No. 2028.
$10.00.
Quadruple Silver Plated Caster. Very fine Cut Glass Bottles

18 Inches High. Richly Chased Stamped MERMOD, JACCARD & Co."

No. 2029.
$12.00.
Quadruple Silver Plated Caster Handsomely Engraved, Six Fine Cut Glass Bottles

20 Inches High Richly Chased Stamped "MERMOD, JACCARD & Co."

Combination Caster AND FRUIT BOWL Both Lined, No. 2030. $20.00
Quadruple Silver Plated Six very Fine Cut Glass Bottles.

21½ Inches High Richly Chased Stamped MERMOD, JACCARD & Co."

INITIALS ENGRAVED ON ALL THIS WARE FREE OF CHARGE

We are Headquarters for Silver Plated Ware. Largest Stock, Finest Goods, Lowest Prices

All the above Casters are of the very finest workmanship and finish, and cannot fail to give entire satisfaction.

Our Prices, CONSIDERING QUALITY, the Lowest in America. Address Orders plainly to MERMOD & JACCARD JEWELRY CO., St. Louis.

Lowest Priced House in America for Fine Goods.

WHEN IN ST. LOUIS WE WILL BE GLAD TO SEE YOU.

Every article on this page is Quadruple Silver Plated, stamped Mermod, Jaccard & Co., and warranted.

No. 8039.
$15.00
Height, 16 inches.

One of the most elegant Table Casters ever made. Very richly cut bottles.

No. 8040 - **$6.50**

A very pretty Breakfast Caster, with four Cut Glass Cruets and two Gold-lined Salts. Height, 10 inches.

No. 8041.
$5.00
Height, 17½ inches.

Chased Hand Six Cut Glass Cruets. Best ever made at this price.

No. 8042.
$10.00
Height, 18½ inches.

Large Casters Chased Caster Six Russian Pattern Cruets.

No. 8043.
$9.00
Height, 20 inches.

A handsome Caster with Bell Handle. Six styles Cut Cruets.

No. 8044.
$8.00
Height, 18 inches.

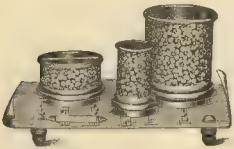
Pierced Chased [illegible] Six [illegible] Cruets.

SEND US AN ORDER. SATISFACTION GUARANTEED.

Address Orders Plainly to MERMOD & JACCARD JEWELRY CO., Cor. Broadway & Locust, St. Louis.

SMOKER AND CIGAR SETS AND STANDS.

No 685 Santa Claus ..... per doz., $21 00



No. 4062. Brass, daisy pattern, scroll music, per doz., $30 00

No. 59. Oxidized silver. French cook, size 4½x8, per doz $13 50

No 336. Brass, black polished metal, satin lined hat, per doz. $9 75

No 6510. Metal, figured decoration .. per doz., $15 50

No. 534. Folding, metal stand, finely decorated, plush front boxes, very ornamental..... per doz., $14 00

No. 374. Brass, oxidized rustic cup bands . . per doz., $14 00

No. 4064 Oxidized saver, daisy pattern, size 4x9½, per doz $16 00

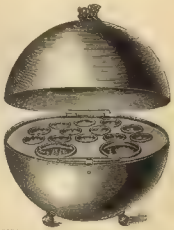
SMOKER AND CIGAR SETS AND STANDS.

No. 4090 Scroll music, oxidized silver, daisy pattern, size 9x10, each ... $8 50

No. 5744. With Polychrome figure, oxidized silver, size 9x10½, per doz ... $42 00

No. 362 Brass smoking table, each, $4 25

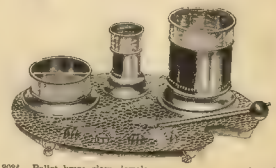
No 3085



No. 0634 Oxidized silver, sphere or globe ... per doz., $27 00

No. 5685 Smoking table, horse shoe top, size 19x35 in., finish, oxidized silver and cs pipes ... each, $4 00

No 380. Brass, with alcohol lighter ... per doz., $30 00

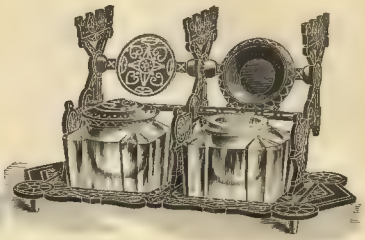


No. 3084. Pallet, brass, glass jewels ... per doz., $15 00

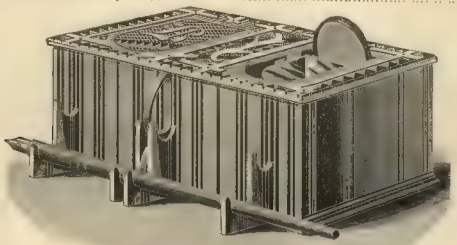
READ THE PREFACE BEFORE ORDERING.

INK STANDS.

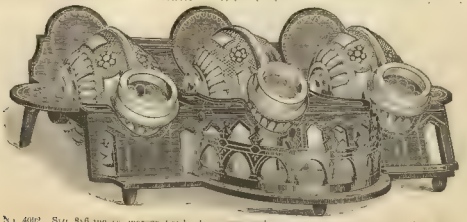
No. 4606. Length 5 inches, width 3¼ inches, maroon finish, 1 in box ..... per doz., $4 25



No. 4614. Length 7¼ inches, width 3¾ inches, maroon finish 1 in box..... per doz., $7 80

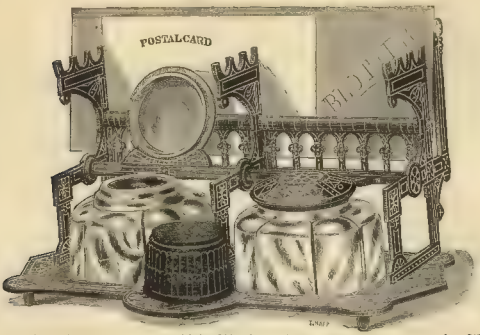


Acme automatic, bronze finish, two bottles, the weight of the holder on the pen rest closes up the ink wells, 5¼x3 inches..... per doz $ 8 00
Acme automatic, nickel finish, same as above ..... " 12 00



No. 4092. Size 8x6 inches, maroon finish, brass pen rack ..... per doz $9 10

INK STANDS.



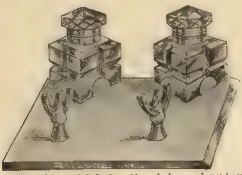
No. 4656 Length 8 inches, width 5 inches, nickel and blue finish, without penwipe ... ... per dox., $19 50
" 4666. " 9 " " 5 " " " " " with penwipe..... " " 25 15

No. 4352 Length 9 inches, width 6¼ inches, ebony and gold finish, brass pen racks..... .....per dox., $15 85

READ THE PREFACE BEFORE ORDERING.

INK STANDS.

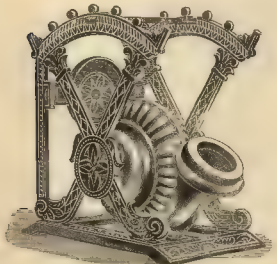
No 677 Antique Brass.....per doz. $20 00



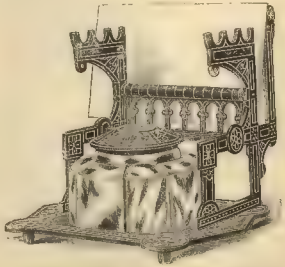
No 463 Silvered base 4x9 inches, 1½ inch diamond cut bottles, plain colored per doz $5 00

No 4500 Length 9 inches, width 6 inches, maroon finish, 1 in box, per doz $12 50

No 4944 Length 5 inches, width 3¼ inches, maroon finish 3 in box ..... per doz., $2 95



No 4433 Length 4 inches, width 3¼ inches, maroon finish 3 in box ..... per doz., $3 15
No 4440 Length 5 inches, width 4 inches, maroon finish, 1 in box..... per doz, $6 00

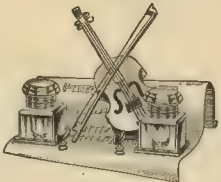


No 4631 Length 6 inches, width 4¼ inches maroon finish, 1 in box. ..... per doz, $6 45

READ THE PREFACE BEFORE ORDERING.

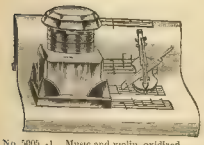
INK STANDS.

No 4089. Ink well, finish brass, silver and nickel, size 8x6¼.....per doz., $12 00

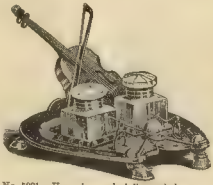


No. 4054. Finish, silver, nickel violin, size 7x7.....per doz., $30 00

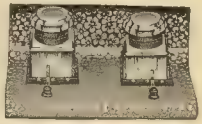
No. 5075. Finish, oxidized figure, poly chrome figure, size 6x8 . .per doz., $30 00



No 5005 -1 Music and violin, oxidized silver . . ....per doz., $10 50



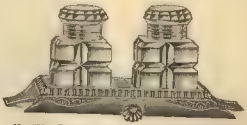
No. 5021. Horseshoe and violin, nickel daisy base . . each, $4 25



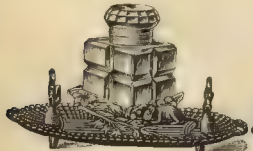
No 5058. Oxidized silver daisy base size 4¼6 . per doz., $16 00

No 5046. Horseshoe, finish nickel and copper, size 4x5¼...per doz., $12 00

No. 5012. Ivy leaf, finish oxidized silver, size 6x7¼ . per doz., $9 50

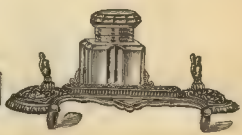


No. 673 Brass . ... per doz $16 00



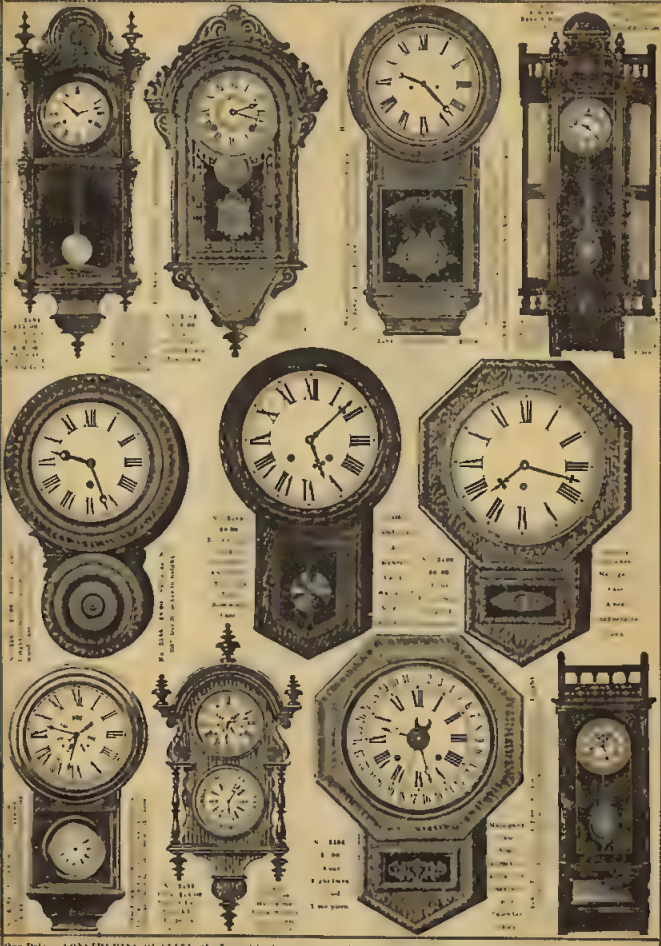
No. 676. Brass.....per doz., $8 00

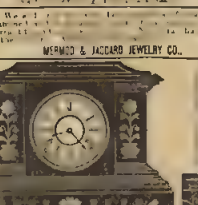
No. 804. Metal. ...per doz.. $16 00

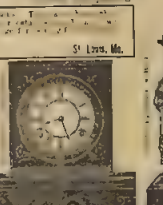


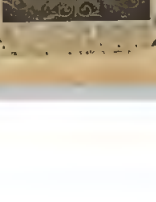
No. 675. Copper .. ..per doz., $12 00

READ THE PREFACE BEFORE ORDERING.









MERMOD & JACCARD JEWELRY CO., St. Louis, Mo.

No. 9075 $11.00
Bronze
Height, 23½ Ins.

No. 9076 $11.00
Bronze Figure.
Height 23½ Ins.

No. 9077 $14.00
Figure Faust.
Bronze.
Height, 20 Ins.

No. 9078 $14.00
ARTISTIC BRONZE FIGURE MARGUERITE.
Height, 20½ Inches.

No. 9079, $5.75
Antique Pitcher.
Brass Finish.
Height 14 Ins.

No. 9080 $6.75
CLASSIC DESIGN.
Brass Finish.
Height, 15 Ins.

No. 9081 $6.00
Pompeian Pitcher.
Height, 15½ Ins.

No. 9082, $5.75
Renaissance Style
Brass Finish Pitcher.
Height, 16 Ins.

No. 9083, $7.50
ELABORATE DESIGN.
Brass Finish Vase.
Height, 14 Ins.

No. 9084 $ 5.50
BRONZE DOG
Nine High.

No. 9085 $2.25
Bronze Bust
5 ins. high

No. 9086 $2.25
Silver Bronze Urn for Clock Ornament.
6½ ins. high

No. 9087 $3.00
SILVER BRONZE FIGURE.
Ornament for Top of Clock.
8½ Inches High.

Send us an Order, Satisfaction Guaranteed.

Address orders plainly to MERMOD & JACCARD JEWELRY CO., Cor. Broadway and Locust St., St. Louis.

CLARK'S TRADE MILE-END MARK SPOOL COTTON

BEST SIX CORD

FOR

MACHINE AND HAND USE.

WHITE COTTON WOUND ON BLACK SPOOLS

SUPPLIED IN CHERRY AND GOLD, AND OAK AND GOLD AS UNDER.

CABINET ASSORTMENTS.

SIX DRAWER ASSORTMENT, No. 1.

Nos	2	10	12	16	20	24	30	36	40	50	60	70	80	90	100	TOTAL.
Spools.	1	12	12	12	36	36	72	72	144	216	108	48	18	6	6	68 Dozen White.
Spools.	6	6	4	4	12	12	24	24	72	84	48	6				25 Dozen Black.
Spools.									36	18	18					4 Dz. Ass. Brown
Spools.									18	18	12					3 Dz. Ass. Colors.
																100 DOZEN

FOUR DRAWER ASSORTMENT, No. 1.

Nos	8	16	12	16	20	24	30	36	40	50	60	70	80	90	100	TOTAL.
Spools.	9	6	6	6	18	18	30	36	72	108	54	24	9	3		3 ½ Dozen White.
Spools.	3	3	2	2	6	6	12	12	36	42	24	3				17½ Dozen Black.
Spools.									9	9	6					2 Dz. Ass. Brown.
Spools.									6	6	6					1½ Dz. Ass. Colors
																50 DOZEN.

TWO DRAWER ASSORTMENT, No. 1.

Nos	6	10	12	16	20	24	30	36	40	50	60	70	80	90	100	TOTAL.
Spools.	6	4	4	4	10	10	20	20	36	48	24	6				18 Dozen White.
Spools.	3	2	2	2	4	6	8	8	20	24	6					7 Dozen Black.
																25 DOZEN

SIX DRAWER CABINET, No. 2.

Nos	8	10	12	16	20	24	30	36	40	50	60	70	80	90	100	TOTAL.
Spools.	12	12	12	12	36	36	84	90	186	354	96	72				70 Dozen White.
Spools.	18	6	6	6	12	12	36	40	80	120	30	30				30 Dozen Black.
																100 DOZEN.

FOUR DRAWER CABINET, No. 2.

Nos	10	12	16	20	24	30	36	40	50	60	TOTAL.
Spools	6	6	6	18	18	42	45	93	126	48	55 Dozen White.
Spools	6	3	3	6	6	18	20	40	60	15	25 Dozen Black.
											80 DOZEN.

TWO DRAWER CABINET, No. 2.

Nos	8	10	12	16	20	24	30	36	40	50	60	TOTAL.
Spools				18	18	18	84	60	72	42	30	Dozen White.
Spools				4	4	7	7	12	18	8	5	Dozen Black.
											50	DOZEN.

SIX DRAWER CABINET.
23¾ inches long; 18¾ inches wide; 31¾ inches deep.

FOUR DRAWER CABINET.
23¾ inches long; 18¾ inches wide; 16¾ inches deep.

TWO DRAWER CABINET.
23¾ inches long; 14¾ inches wide; 7¾ inches deep.

READ THE PREFACE BEFORE ORDERING.

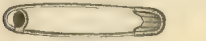
PINS.

Eureka toilet pins, velvet cushion on top

MC.	Medium.....per carton of 1 doz.,	$ 85
SC.	Small medium..... " "	78
F¾	Small " "	70
BB.	Extra small " "	65

Pyramid pin rolls, MC, SC, F¾, BB, 1 dozen in box.
Same price as Extra.

No 4. Crib, per gross, $3 00



No 3

No. 2½.

Fo 2½

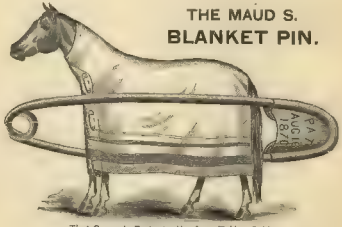
NURSERY OR SAFETY PINS.

	Nos— 1	2	2½	3	1	Terms.
Spartan in 10 gross lots		$0 35	$0 27	$0 30		net.
" 1 " " "		27	30	33		"
Helmet		55	65	70		"
Original		35	40	45		5%
Miles		50		60		net
Stewart's		50	55	60		"
" Nickel		$0 50	55	60	70	"

Ne Plus Ultra Pins.

	Nos. DC. BC.	MC.	SC.	F¾.	BB.	BW.
Class A.	70	60	50	40	40	4
" C.		50	45	40	36	3
Nos.	2	3	4	5		
Brass,	36	33	28	26		
Adamantine,	23	20	18	16		

THE MAUD S. BLANKET PIN.



That Securely Protects Her from Taking Cold.

No. 6. Nickel horse blanket pin.....per gross, $5 00

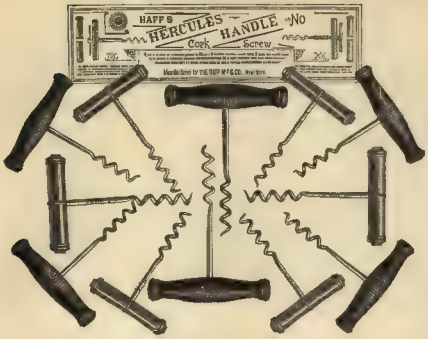
SPECTACLES.

No. 901	8 to 24	per doz,	$1 00
" 902	"	"	1 25
" 189	"	"	1 75
" 189	Nickel 8 to 24	"	2 50
" 907	8 to 24	"	3 50
" 408	"	"	7 25
" 226	Riding bow, smoked.	"	1 50
" 81.	Coquille.	"	2 50
" 81.	" blue	"	2 50

Patent wire gauze eye protectors. White, blue, green and smoked. 75 cents per doz.

READ THE PREFACE BEFORE ORDERING.

CORK SCREWS AND KEY RINGS.



No. 45. Assorted wood handle, 4 sizes on card of 1 doz $1 75

Triangle shape spring . per gross, $2 00

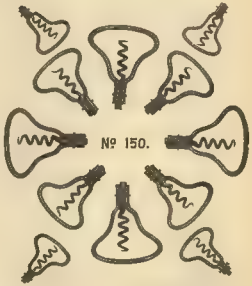
Perfection Padlock and Key Holder
These padlocks are ¼ in and ⅜ in diameter, they act with a spring, and are opened by inserting the point of a pin in a hole in the under rim and prying gently to one side. Sewed in dozens on a neat colored lithographic card, nickel finish, per doz., $2 25

(Open.)

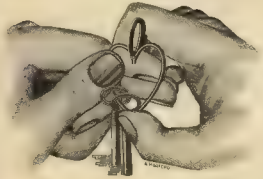
No. 160. The Windsor pocket corkscrew .....per doz., $2 50

(Closed.)

No. 160. The Windsor pocket corkscrew.....per doz., $2 50



No. 150 Nickel folding pocket, 3 sizes on cards of 1 doz.....per doz., $1 50



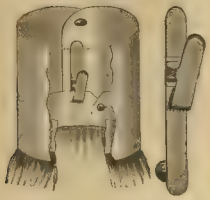
Heart, expanding... ....per gross, $3 25

No. 1407. Round expanding, assorted sizes on card.....per gross, $2 00

No. 100. Flat springs, assorted sizes on card ....per gross, $0 35

READ THE PREFACE BEFORE ORDERING.

THE REEVES ADJUSTABLE CUFF HOLDER.



BEST IN THE MARKET AND Sold at a popular PRICE.

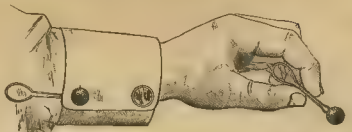
Combines ALL that is sought for, and avoids ALL objections found in other Cuff Holders.

Reeves Cuff Holder.. ... .per doz. pairs, $1 25

Armstrong's Armlets ...per gross pairs, $11 00

Lindsay's Sleeve Supporters per doz. pairs, $ 65

Wizard Scarf Holder .....per dozen pairs, $ 0 50



Perfection Cuff Holder . ... per doz. pair $0 75

Wizard per dozen pairs, $1 25

Climax..per doz. pairs $1 25

Keith's per doz. pairs, $1 25

No. 27. Arm Bands.....per doz. pairs, $0 63

Armstrong's Garters . .. ...per gross pairs, $16 50

Gents' Boston Garters.

Full Elastic . . per doz. pairs,	$1 50	No 2			per gross, $3 50
Silk "	4 00	" 1		"	3 00

Window Clasps.

READ THE PREFACE BEFORE ORDERING.

SPOOL SILK CABINETS.

CABINET No. 5.

Made of Walnut. Four Drawers.

Three Plate Glass Front Drawers, one Solid Front Drawer. Nickeled Drawer Pulls

21¼ in wide, 15½ in. deep, 10½ in. high

Furnished free of charge with first order for 40 dozen Corticelli Spool Silk

CABINET No. 12½.

Made of Ash, Cherry or Walnut, with Nickel Drawer Pulls and Mirrors on Both Ends.

Thirteen Drawers—Ten Plate Glass Front Doors, and three Solid Front Drawers.

18 in. wide, 18 in. deep, 37 in. high

Furnished free of charge with first order for $135 00 worth of Corticelli Spool Silk and Button-hole Twist.

CABINET No. 8½.

Made of Walnut, with Nickeled Drawer Pulls.

Seven Drawers; Clock Top. Six Plate Glass Front Drawers, one Solid Front Drawer

23 in. wide, 16 in. deep, 18 in. high

Furnished free of charge with first order for $75 00 worth of Corticelli Spool Silk and Button hole Twist.

CABINET No. 8.

Made of Walnut or Ash, with Mirror Ends

Eleven Drawers—Nine Plate Glass Front Drawers, and two Solid Front Drawers

23 in wide, 16 in. deep, 30 in high.

Furnished free of charge with first order for $100.00 worth of Corticelli Spool Silk and Button-hole Twist.

READ THE PREFACE BEFORE ORDERING.

Art Goods for Home Decoration and Bridal Gifts.

No. 8160. SETTER DOG—Old Silver Bronze. $6.50.

Height 15 Inches. Base 6x9 in.

No. 8152 BRONZE HORSE. $4.00
With Bronze Base
No. 8153. Dun, Marble Base. $7.50
Height 7 Inches. Length, 6½ Inches

We also have a very great variety of subjects similar to the above in Bronze and Old Silver Finish, which are specially adapted for mantel and cabinet ornaments, and for the tops of Clocks. Prices range at $3.00, $4.00, $5.00, $6.00, $7.00, $8.00, $12.00, $15.00 and $18.00.

DECORATED

BISQUE, BRONZE AND PARIAN MARBLE Statuary.

It is impossible for us to illustrate the many different varieties of pairs of STATUETTES that are contained in our Art Department. We have them in all the classes of wares named above, and of varied size and styles of finish. They range in price at $3.00, $4.00, $5.00, $6.00, $7.00, $8.00 $10.00 $12.00 $15.00 $18.00, $20.00, $25.00, $30.00 $40.00, $50.00, $60.00, $75.00, $90.00, $100.00, $120.00, and $150.00 per pair

Call and see this wonderful display, and make your selections. If that is not possible, send us an order describing what you desire, and we will guarantee to please you

FIVE O'CLOCK TABLE TEA STAND.
Wrought Iron with Brass Kettle and Lamp.
At $8 00, $9 00, $11 00, $14 00 and $15.00

A LARGE COLLECTION OF ROYAL DRESDEN, ROYAL WORCESTER, DOULTON, CROWN DERBY SEVRES, AND OTHER FINE VASES.

PRICES RANGING AT $12.00, $15.00, $18.00, $20.00, $25.00, $28.00, $30.00, $35.00, $40.00, $50.00 AND UPWARD.

No. 8700 ANTIQUE CARVED BRASS PEDESTAL, $40.00 OTHER PATTERNS AT $15.00, $25.00, $30.00, $35.00.

ALSO ONYX PEDESTALS, VERY ELEGANT, $60.00 to $150.00

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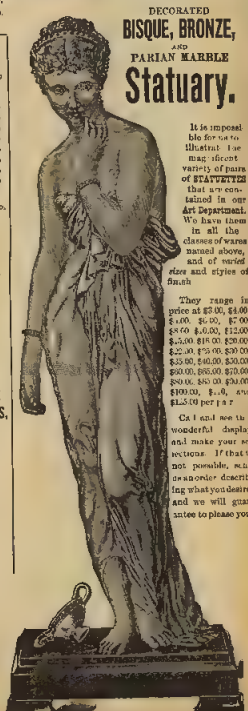
They range in price at $3.00, $4.00, $5.00, $6.00, $7.00, $8.00 $10.00, $12.00, $15.00 $18.00, $20.00, $25.00, $30.00, $35.00, $40.00, $50.00, $60.00, $75.00, $90.00, $100.00, $120.00, and $150.00 per pair

Call and see this wonderful display and make your selections. If that is not possible, send us an order describing what you desire, and we will guarantee to please you.



Our Prices, considering Quality, the LOWEST IN AMERICA.

Lowest Priced House in America for Fine Goods.

WHEN IN ST. LOUIS WE WILL BE GLAD TO SEE YOU.

All these Clocks contain Best Quality Movements, with our name MERMOD, JACCARD & CO. on each Dial, and are Warranted. IN BUYING A CLOCK CONSIDER THE INSIDE AS WELL AS THE OUTSIDE IF YOU WISH A TIME PIECE.

No. 9066, CLOCK $24.00

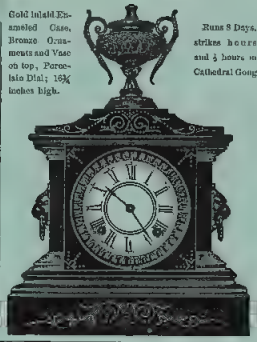
Solid Brass Frame, Bevel Plate Glass Fronts and Sides, visible Polished Movements. Height 16½ in.

8 Day Striking.

No. 9067, MANTEL CLOCK $12.00

Gold Inlaid Enameled Case, Bronze Ornaments and Vase on top, Porcelain Dial; 16¾ inches high.

Runs 8 Days, strikes hours and ½ hours on Cathedral Gong



No. 9068, CLOCK $5.00

Walnut Frame, runs 8 Days, strikes hours and ½ hours; height 21 inches.

With Alarm, $5.50.

No. 9069, MANTEL CLOCK $16.50

Gold Decorated Enameled Case, Porcelain Dial, runs 8 Days, strikes on Cathedral Gong [illegible]

No. 9070, MANTEL CLOCK $13.00

Gold Decorated Enameled Case, Porcelain Dial, runs 8 Days, strikes hours and half hours on Cathedral Gong. Height 14½ inches.

No. 9071, MANTEL CLOCK $30.00

A splendid Mantel Ornament, Enameled Metallic Case richly gold inlaid and colored Marbleized Classic Decorative Gold Dial, runs 8 days, strikes hours and half hours on Cathedral Gong. Height 14 inches.

No. 9072, MANTEL CLOCK $24.00

Very massive classic effect, inlaid with Gold and Colored Marbleized work, Enameled Metallic Case, runs 8 days, strikes hours and half hours on Cathedral Gong. Decorative Gold Dial.

Height 12½ inches

All these Clocks contain Best Quality Movements, with our name MERMOD, JACCARD & CO. on each Dial, and are Warranted. IN BUYING A CLOCK CONSIDER THE INSIDE AS WELL AS THE OUTSIDE IF YOU WISH A TIME PIECE.

SEND US AN ORDER. SATISFACTION GUARANTEED.

Address Orders Plain, to

MERMOD & JACCARD JEWELRY CO., Cor. Broadway & Locust, St. Louis.

All these Clocks contain Best Quality Movements; have our name MERMOD, JACCARD & CO. on each Dial and are Warranted. IN BUYING A CLOCK CONSIDER THE INSIDE AS WELL AS THE OUTSIDE IF YOU WISH A TIME PIECE.

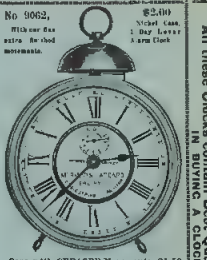
No. 9060, $1.25
With our fine extra finished movements. Nickel, 1 Day Lever Time Piece.

OUR NAME ON EACH DIAL.

No. 9061, Height 7 inches. **$4.00**
One Day Lever Time Piece. Black and Gold Decorated Front.

Contains Our Fine Standard Movement.

No. 9062, $2.00
With our fine extra finished movements. Nickel Case, 1 Day Lever Alarm Clock



WITH OUR NAME ON EACH DIAL.

Same Case with CHEAPER Movements, $1.50

No. 9064, $32.00
This Elegant Mantel Clock in either Antique Oak or Mahogany. Brass Decoration.

Height, 18½ inches. 8 Day Striking.

No. 9065, - $68.00

Height 28 inches. Magnificent Mantel Clock in Silver Bronze, running 8 days, striking hours and half hours on Cathedral Gong.

Hall Clock to the Left.

No. 9063, - - $100.00

This Grand Hall Clock, 7 feet 10 inches high, in Antique Oak or Mahogany, with elaborate Brass Ornaments and Panels, running 8 days and striking hours and half hours upon Cathedral Gong. Would be attractive addition to an elegant home.

Other Styles Hall Clocks, $90.00 to $800.00

All these Clocks contain Best Quality Movements; have our name MERMOD, JACCARD & CO. on each Dial and are Warranted. IN BUYING A CLOCK CONSIDER THE INSIDE AS WELL AS THE OUTSIDE IF YOU WISH A TIME PIECE.

RAZORS,

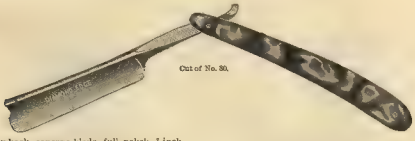
HENRY SEARS & SON, 1865, WARRANTED.

Celebrated Queen Razors—Extra Quality

No. 580.	Black rubber handle, Hamburg ground, ¼ inch	per doz.,	$13 00
No. 488.	" " " " " ⅜ "	"	15 00
No. 888.	" " " " " ⅜ "	"	15 00
No. 770.	Mottled " " " " ⅜ "	"	15 00
No. 760.	Shell handle, Hamburg ground, ¾ inch	"	15 00
No. 640.	" " " " " ⅜ "	"	15 00
Royal Guard	Black rubber handle, Hamburg ground, ¼ inch, a very fine razor with guard	per doz	$18 00

Full size cut of No. 700.

No. 700.	Black rubber handle, extra hollow ground, ¾ inch	per doz., $10 00



Cut of No. 30.

No. 22.	Shell handle, heavy back concave blade full polish, ½ inch	per doz.,	$ 8 00
No. 30.	" " " " " " " ¾ "	"	10 00
No. 64.	" " " " " " " ¾ "	"	10 00
No. 332.	Buffalo handle, etched blade, ½ inch	"	5 00
No. 630.	" " medium hollow ground, ¾ inch	"	6 00
No. 984.	Shell " " " full polish ¾ inch	"	8 00

HALF DOZEN IN A BOX

READ THE PREFACE BEFORE ORDERING.

PIPES.

No 1449 Cocos....per doz. $2 50.

No. 501. Apple wood....per doz. $1 55.

No. 506. Apple wood.. . per doz. $1 10.

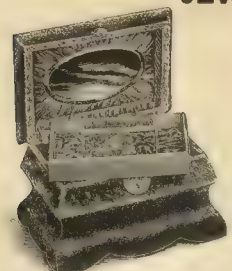
No 300B Briar wood.....per doz. $1 50.

No 662. Apple wood ...per doz. $1 25.

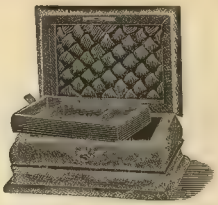
No. 948. Briar wood... per doz $2 40.

READ THE PREFACE BEFORE ORDERING.

JEWEL CASES.

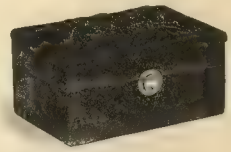


No. 6943. Fine silk plush, satin lined fancy shape, bevelled oval mirror inside of cover, lock and key, size, 9x6½x6, per doz. $89 00



No. 106. Plush, satin lined, padded cushion top, size, 7½x5¼x4, per doz. $30 00
No. 108. Plush, satin lined, padded cushion top, size, 10x7½x5, per doz. 45 00
No. 1223. Jewel case, silk plush, satin lined, with tray, handle on cover, and lock and key, size, 7½x5¼x4 per doz.. 21 00

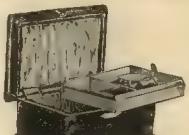
No. 2814. Silk plush, embossed top, patent plush Florentine rests, satin lined, lock and key, size 8¾x11½x8½, per doz., $48 00



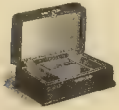
No. 7548. Fine silk plush, satin lined, embossed top, lock and key, size, 8¾x6x5... ....per doz $28 00

No. 2330. Fine silk plush, raised top, ornamented with an antique silver electro-plate satin lined, size, 6x8¾x4, per doz ... $24 00

No. 7568. Fine silk plush, satin lined panel and heavy embossed top, beveled plate mirror inside of cover and tray size, 10x7½x4½ ....per doz., $39 00



No. 132. Silk plush satin lined, per doz., $16 50



No. 7033. Silk plush, satin lined, mirror inside of cover, size, 7½x5x2¾, per doz ... $12 00

No. 61. Plush, satin lined, size 6x4½x3, per doz. $9 00

READ THE PREFACE BEFORE ORDERING.

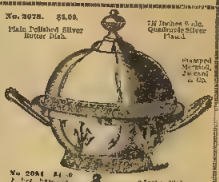
All the Silver Plated Ware on this Page is Stamped "MERMOD, JACCARD & CO.," QUADRUPLE PLATE, and is so Warranted.

SILVER PLATED BUTTER DISHES.

BEAUTIFUL GOODS AND REMARKABLY LOW PRICES.

No. 2075. $4.50
5¼ Inches Wide.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2078. $3.10.
Very richly Chased or Plain Satin, with Engraved Shield. Butter Dish.
3½ Inches Wide.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.



No. 2073. $3.00.
Plain Polished Silver Butter Dish.
7¼ Inches Wide.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2079. $7.50.
A Beautifully Chased and Engraved Butter Dish.
9½ Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2080
At either $5.50 or $6.00, as may be desired.
8¼ Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.
Elaborately Engraved or Plain Satin Finish, with Engraved Shield. Butter Dish.

No. 2084 $4.50
A Beautifully Chased and Engraved Butter Dish.
9 Inches Wide.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2082. $7.50.
A Beautifully Chased and Engraved Butter Dish.
10 Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2083. $12.00
Very Large and Beautiful Butter Dish, with Pearl Handle.
8¼ Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2084 $6.50
A Beautifully Chased and Engraved Butter Dish.
8 Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

Sugar Bowl, with Twelve Gilt Lined Spoons.
No. 2085. $12.00.
8¼ Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.

No. 2086.
At either
$7.00 or $8.00.
Plain Satin with Engraved Shield, or Elaborately Chased Butter Dish.
11½ Inches High.
Quadruple Silver Plated.
Stamped Mermod, Jaccard & Co.
Revolving Top

No. 2087
At either $7.00 or $8.00
Plain Satin with Engraved Shield or Elaborately Chased
BUTTER DISH.
7¾ Inches High. Sliding Top

Send
TO AN
ORDER.
PERFECT
SATISFACTION
IS GUARANTEED

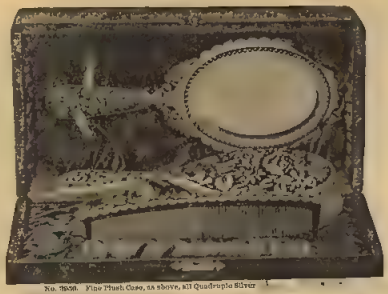
INITIALS
ENGRAVED
ON ANY
THIS WARE
FREE OF
CHARGE

Our Prices, CONSIDERING QUALITY, the Lowest in America. Address Orders plainly to MERMOD & JACCARD JEWELRY CO., St. Louis.

Lowest Priced House in America for Fine Goods.

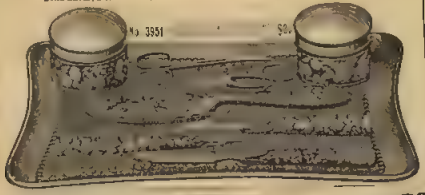
MERMOD & JACCARD JEWELRY CO.
Cor. Broadway and Locust St., ST. LOUIS.

Solid Silver, Silver Plated and Ivory Brushes, Combs and Mirrors, Singly or in Sets.
Prices very low, come and see them.



No. 3956. Fine Plush Case, as above, all Quadruple Silver

Solid Silver, Silver Plated, Pearl and Ivory Manicure Sets on Trays and in Cases.



Gold, Jewelled, Silver, Silver Gilt and Tortoise Shell

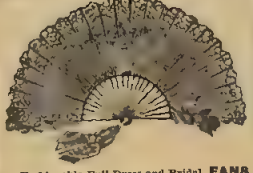
HAIR PINS,

a great variety of New and Elegant Patterns from $1.00 to $100.00

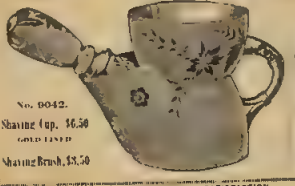
A GREAT VARIETY OF SOLID SILVER AND SILVER PLATED SHOE AND GLOVE BUTTONERS, SOME ARRANGED IN HANDSOME PLUSH CASES FROM 25 CENTS TO $12.00

No. 9046 - $3.50
SOAP BOX.
Arabesque Decoration.

No. 9047
POCKET
FLASK.



Fashionable Full Dress and Bridal **FANS** of Crepe, Lace, Ostrich Feathers in Pearl, Shell and Ivory, latest arrivals from Paris and Vienna. $3.50 to $60.00



No. 9042.
Shaving Cup, $6.50
GOLD LINED
Shaving Brush, $3.50

Solid Silver and Silver Plated

BUCKLES

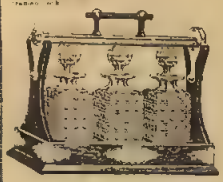
all the latest and most unique designs from $1.50 to $15.00

SEND US AN ORDER. SATISFACTION GUARANTEED.

Address Orders & Letters to
MERMOD & JACCARD JEWELRY CO., Cor. Broadway & Locust, St. Louis.

No. 5931 $42.00 to $75.00

Best [illegible] Mirror Stand, 5 Shelf Mounts with Three Rows [illegible] Bevel Plate Mirror and Shelves, Oak Frame Moulding and Trimmings.



No. 5931 THERMOMETER Antique Brass or Oxydized Silver. $3.50, $3.00, $2.50, $4.00 $5.00

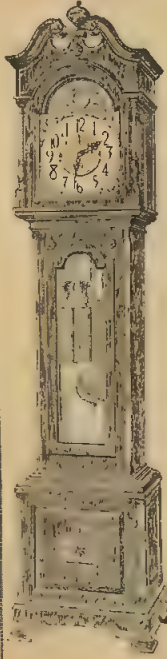
No. 5932. Combined Candlestick and Match Box. $4.00 Fine Gilded and Steel Finish

No. 5934. LIBRARY SET $18.00 to $30.00

Oak Stand and Candlesticks, antique brass and Oxydized Silver very Elaborate Ornamentation.

HALL CLOCKS,

In Oak and Mahogany cases, from 84 feet high. Some with Westminster Chimes, Silvered Dials, Steel Hands, Pendulum and Weights, and Eight Day Movements, running 8 days, at $60.00, $75.00, $90.00, $120.00, $150.00, $175.00, $200 and upwards.



No. 5954 $4.00 MUCILAGE BOTTLE

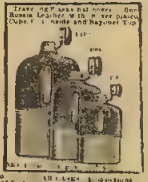
No. 5956. $10.00 to $24.00

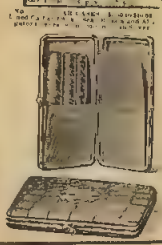
Handsome Chased Sterling Silver Mounted Button Hook and Shoe Horn, [illegible]

PRESENTATION WATCHES.

Whether [illegible] we are ready to furnish, at short notice, the most elaborate and expensive [illegible] we are equally prepared to supply our Best Movements in [illegible] Watches, [illegible] and Hunting Cases, [illegible] Gold or Silver, [illegible] Engraving, [illegible] monograms or crests [illegible] Case [illegible]

Travel Clocks, Bird Cages, Opera Glasses, Leather Goods, Razors, Pocket Cutlery, Canes and Umbrellas, Gold Pens and Pencils, Watch Chains and Fobs, Rings, Scarf Pins, Sleeve Buttons, Studs, Lockets and Neckwear Pins.





KINDLY INFORM US Should we be out of the exact style of the Article ordered, whether we may send another equally or more handsome at the price named

MUSIC BOXES

A MUSIC BOX will prove to be such a source of DELIGHT and PLEASURE in a household, that its cost is of SMALL consideration, compared to the pleasure DERIVED.

Purchase one, if not already the fortunate possessor, and you will thank us for this suggestion.

OUR MUSIC BOXES ARE MARKED

"Made expressly for Mermod, Jaccard & Co., St. Louis."

ALL OUR MUSIC BOXES being MADE EXPRESSLY for us, are finished with GREAT CARE, and play the CHOICEST selections of OPERATIC, CLASSICAL and POPULAR MELODIES

Our Music Boxes are unequalled in all respects by any others imported into this country.

For delicacy of tone, sympathetic expression, and correct interpretation of the composer's thought, our Music Boxes are marvellous.

☞ **MUSIC BOXES FOR THE CHILDREN, $1.00 EACH**, playing one tune. They are round, made of tin, prettily painted, and play by turning a crank. The following are a few of the airs played by these boxes. In ordering one sent by mail, add 15 cents for postage and registering, also please name two or three airs that will be satisfactory, as any particular one might not be in stock.

1 Sailor's Hornpipe
2 Yankee Doodle
3 Mocking Bird.

1 Coming Thro' the Rye
2 Dandy Spring
3 Patriotic Polka.

1 Cherry Ripe Waltz
2 Buccaneer Waltz
3 Gilberto Polka.

1 Carnival of Venice.
2 Last Rose of Summer
3 Mabel Waltz.

1 Rose of Tinan.
2 Turkish Reveille
3 Mulligan Guards.

1 Nancy Lee.
2 Miss Dorothy Waltz.
3 Home, Sweet Home

4 Air Music Boxes, In ROSEWOOD or PAPER MACHE CASES, RICHLY INLAID. Price, $15.00. They wind with a ratchet lever at side. Size, 12½ inches long by 6¾ inches wide. They have to be sent by express, being too large and heavy to be sent by mail. In ordering, name two or three that will be satisfactory, as any particular one might not be in stock. The following shows 6 lists of popular airs played by these Boxes.

1 Secret Love.
2 In the Morning by the Bright Light.
3 Il Trovatore.
4 Chimes of

1 Nancy Lee.
2 Gretchen's Clock.
3 Mulligan Guards.
4 Never Take the Horseshoe From the Door

1 Coming Thro' the Rye.
2 When the Swallows
3 Old Folks at Home.
4 Ladies' Fair.

1 Home Sweet Home
2 Madame Angot.
3 Yankee Doodle.
4 Blue Danube.

1 Columbia.
2 Chimes of Normandy
3 Last Rose of Summer
4 Bocaccio.

1 Home, Sweet Home.
2 Marie, Queen of Scots.
3 Pretty Jane.
4 Mocking Bird.

6 Air Music Boxes, In ROSEWOOD CASES, RICHLY INLAID. Price, $18.00. They wind with a ratchet lever on side. Size, 12½ inches long by 6¾ inches wide. In ordering, name two or three that will be satisfactory, as any particular one might not be in stock. The following shows 6 lists of airs played by these Boxes.

1 Auld Lang Syne.
2 Home, Sweet Home.
3 Yankee Doodle.
4 Nancy Lee.
5 Bocaccio.
6 Old Folks at Home.

1 Listen to the Mocking Bird.
2 Yankee Doodle.
3 Home, Sweet Home.
4 Old Folks at Home.
5 Last Rose of Summer.
6 Auld Lang Syne.

1 Sixteen Glances.
2 Pastorale.
3 Yankee Doodle.
4 Old Folks at Home.
5 Mulligan Brothers.
6 Auld Lang Syne.

1 The Bocaccio.
2 Last Rose of Summer.
3 Home, Sweet Home.
4 Dorcas Jubilee.
5 Mulligan Brothers.
6 Grandfather's Clock.

1 Bocaccio
2 Home, Sweet Home.
3 Chimes of Normandy
4 Carmen.
5 Mocking Bird
6 Pathetique.

1 Pirates of Penzance.
2 Madame Angot.
3 Marie, Queen of Scots.
4 Mocking Bird.
5 Auld Lang Syne.
6 Chimes of Normandy.

6 Air Music Boxes, In ROSEWOOD CASES, RICHLY INLAID. Price, $20.00. They wind with a ratchet lever on side. Size 14 inches long by 6¾ inches wide. In ordering, name two or three that will be satisfactory, as any particular one might not be in stock. The following shows 6 lists of airs played by these Boxes.

1 The Pirates of Penzance.
2 Pathetic.
3 The Rivals of Penzance.
4 Marie, Queen of Scots.
5 Home Sweet Home.
6 Home Sweet Home.

1 Coming Thro' the Rye.
2 Mabel.
3 Tales of
4 Mocking
5 Home, Sweet Home.
6 Bocaccio.

1 Old Folks at Home.
2 Home, Sweet Home
3 Chimes of Normandy
4 Carmen.
5 Mocking Bird.
6 Secret Love.
7 Faust.
8 Mazurka.

1 Marseillaise Hymn.
2 Chimes of Normandy
3 Carmen.
4 Mocking Bird.
5 Auld Lang Syne.
6 Wedding March.
7 Bocaccio.

1 Coming Thro' the Rye
2 Last Rose of Summer
3 Tales of Venice
4 Pastorale.
5 Home, Sweet Home
6 Pastorale.

8 Air Music Boxes, In ROSEWOOD CASES, RICHLY INLAID. Price, $25.00. Size, 14 inches long by 6¾ inches wide. The following shows 3 list of airs played by these Boxes. They wind with a ratchet lever at side.

1 Pirates of Penzance.
2 Madame Angot.
3 [illegible]
4 [illegible]
5 Marseilles
6 Tales of Hoffmann
7 Columbia.
8 Miss Jacobs.

1 Horseshoe.
2 Faust.
3 Home Sweet Home
4 Auld Lang Syne.
5 Mabel.
6 Serbe di Lamermoor
7 [illegible]
8 Pastorale.

1 Bocaccio.
2 Home, Sweet Home
3 Chimes of Normandy
4 Carmen.
5 Mocking Bird.
6 Secret Love.
7 Faust.
8 Mazurka.

1 Marseillaise Hymn.
2 Chimes of Normandy
3 Carmen.
4 Mocking Bird.
5 Auld Lang Syne.
6 Wedding March.
7 Bocaccio.
8 Mazurka.

8 Air Music Boxes, RICHLY INLAID ROSEWOOD CASE. Price, $35.00. Size, 21 inches long by 9 inches wide. Winds with ratchet lever at side

1 Chimes of Normandy.
2 Last Rose of Summer
3 Star Spangled Banner
4 Lobengrin.
5 Nancy Lee.
6 Coming Thro' the Rye.
7 Traviata.
8 Bocaccio.

1 Madame Angot.
2 Mabel.
3 Mocking Bird.
4 Auld Lang Syne.
5 Pastorale.
6 Yankee Doodle.
7 Mocking Bird.
8 Home, Sweet Home.

10 Air Music Boxes, RICHLY INLAID ROSEWOOD CASE. Price, $40.00. Size, 20½ inches long by 9 inches wide. Winds with ratchet lever at side

1 Marseillaise.
2 Carmen.
3 Faust.
4 Home, Sweet Home.
5 Pastorale.
6 Mocking Bird.
7 Last Rose of Summer
8 Yankee Doodle.
9 Chimes of Normandy
10 Bocaccio Tau.

1 Pirates of Penzance
2 The Bells
3 Carmen
4 Home, Sweet Home
5 Pastorale
6 Mocking Bird.
7 Last Rose of Summer
8 Yankee Doodle.
9 Old Folks at Home.
10 Chimes of Normandy.

12 Air Music Boxes, RICHLY INLAID ROSEWOOD CASE. Price, $45.00. Size, 22½ inches long by 9 inches wide. Winds with ratchet lever at side

1 Auld Lang Syne.
2 Pirates of Penzance.
3 Carmen.
4 Home Sweet Home
5 Mocking Bird.
6 Last Rose of Summer
7 Yankee Doodle.
8 Marie, Queen of Scots.
9 Faust.
10 Star Spangled Banner
11 Marseillaise Hymn.
12 Bocaccio.

12 Airs, RICHLY INLAID ROSEWOOD CASE. Price, $65.00. Size, 22½ inches long by 10 inches wide. Winds with ratchet lever at side.

1 Marseillaise Hymn.
2 Home, Sweet Home.
3 Pirates of Penzance.
4 Thou Art Remember Me
5 Faust up to Date
6 Nancy Lee.
7 Pastorale.
8 Fra Diavolo.
9 Carmen.
10 Mocking Bird.
11 Star Spangled Banner
12 Rose Venzano Waltz.

1 Chimes of Normandy.
2 Auld Lang Syne.
3 Last Rose of Summer
4 Olivette.
5 Bocaccio.
6 Turkish Reveille
7 Columbia.
8 Secret Love.
9 Wedding March.
10 Yankee Doodle.
11 The Last Farewell.
12 Faustina.

6 Airs, RICHLY INLAID ROSEWOOD CASE. Price $35.00. With 4 bells in right Size, 21½ inches long by 9 inches wide

1 Nancy Lee.
2 Fra Diavolo Galop.
3 Auld Lang Syne.
4 Olivette.
5 The Last Rose of Summer.
6 Traviata.

1 Madame Angot.
2 The Bells.
3 Yankee Doodle.
4 Mocking Bird.
5 Home, Sweet Home.
6 Chimes of Normandy.

Address all Orders plainly to

MERMOD & JACCARD JEWELRY CO.,

St. Louis.

ZITHER. To any of the above Boxes at and above the price of $1.00 we can place an "orchestra zither" at request that can be played or removed at pleasure, which will give the tone of the bells. In ordering a Music Box, please advise us if you wish such an attachment.

LARGE MUSIC BOXES of every variety ranging in price from $4.00 to $100. We will send descriptive circulars when desired.

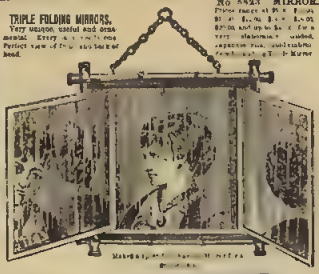
Express! All Music Boxes and above $1.00 can be sent by Express. We do not send Music Boxes C. O. D. on approbation, but we guarantee complete satisfaction or the Box may be returned, and the money paid will be refunded, provided notice of that fact be received within 3 days after its receipt.

☞ Remit money by Banker's Draft, Post-Office Order or IN REGISTERED LETTER at our risk. ☜

No. 8821. DESK. $5.00
Solid Ash or Cherry Desk.

INKSTAND
Oxidized Silver Top
Other Styles
$6.00, $8.00, $9.00 and $10.00

TRIPLE FOLDING MIRRORS.
Very unique, useful and ornamental. Every lady should have one. Perfect view of the back part of head.

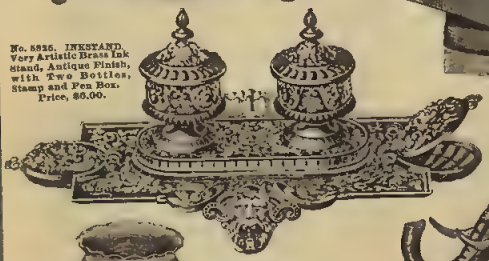


No. 8823. MIRROR.
Prices range at $4.00, $5.00, $6.00, $7.00, $8.00 and up to $20.00. For a very elaborate, solid silver, repoussé finish, gold-plated, engraved and $30.00 Mirror.

No. 8834. INKSTAND.
Very Unique Brass Ink Stand, nicely finished.
Price, $4.75.

GAME BOXES

No. 8442, $8.00
No. 8446, 15.00
Prices for all this above
We have a choice selection at prices ranging from $4.00 to $40.00



No. 8825. INKSTAND.
Very Artistic Brass Ink Stand, Antique Finish, with Two Bottles, Stamp and Pen Box.
Price, $6.00.

No. 3452 $5.00.
INKSTAND.
Oxidized Brass
Very pretty

No. 8826
SMOKING SET
$13.50
Oxidized
Silvered

Other Styles
Prices $8.00, $10.00, $12.00

NOTE. CIGAR BOX. $8.00
SILVER PLATED COFFEE URN 3 PINTS ENGLISH BRASS PATTERN CIGARS
No. 8449, same as above but much larger. $13.50, more ornamental and with Cut Match on top, place for sponge, and holds 100 Cigars.

KINDLY INFORM US should we be out of the exact style of the Articles ordered, whether we may send another equally or more handsome at the price named.

Lowest Priced House in America for Fine Goods. MERMOD & JACCARD JEWELRY CO., Corner Broadway & Locust St., ST. LOUIS.

SO BEAUTIFUL AND LOVELY IS OUR STOCK OF

CUT GLASS

that every visitor is enraptured and expresses admiration and delight. Nothing more choice can be given a Lady than a dainty piece of cut glass from our stock, which is the finest and only the finest the world produces.

Mirror Block Decanters, Varied Patterns. $7.50 to $25.00.

Parisian Egg Sea Dishes, Varied Patterns. $4.50 to $6.50.

Parisian and other Wine Whisky and Water Glasses. Water Glasses, $18.00 to $36.00 per dozen. Wine Sets, $12.00 to $46.00 per dozen.

Cabinet Oils and Vinegars, Varied Patterns. $3.25 to $7.50.

Sugar and Universal Cauldron, Varied Patterns. $3.75 to $14.00.

ROSE BOWLS.
See Our Dainty Patterns and Cuttings.

Straw Dish and Tray Bowls, Varied Patterns. $7.50 to $90.00.

Parisian Ice Cream Dish, Varied Patterns. $18.00 to $25.00.

COLOGNE BOTTLES.
Lovely Designs.

Cabinet Fruit Dish, Varied Patterns. $7.50 to $60.00.

Parisian Pitchers, Assorted Sizes, Varied Patterns. $4.50 to $30.00.

POTTERIES

[illegible] Sales Room we open the greatest stock in the West of [illegible] Vases, Art Wares [illegible] Decorative [illegible]

Topiln Vases. Very Effective Pieces from $1.50 to $100.

Royal Worcester Ware. Pieces from $3.50 to $125.

Our Art Rooms

Should be visited by every Citizen and Visitor to St. Louis.

Adderley Ware. Very Showy. Pieces from $1.75 to $15.00.

Doulton Vases, Rich. From $2.50 to $25.00.

Dresden Vases. Very Choice. Varied Styles. $7.50 to $65.00 each.

CUPS, SAUCERS AND PLATES.

Our collection of Choice Plates, Cups and Saucers is the Finest ever seen in the West, we ask the attention of everyone desiring nice Table Wares to see this splendid stock.

DESSERT PLATES $5.00 TO $100.00 PER DOZEN.

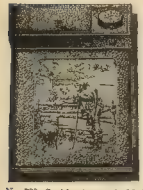
After Dinner Coffee Cups and Saucers, - per dozen, $6.00 to $50.00.

Elegant Goods for Bridal and Christmas Gifts.

Special—Beautiful Single Plates, Cups and Saucers for Collectors.

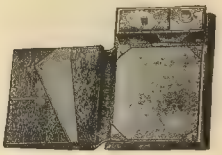
Our Prices, CONSIDERING QUALITY, the Lowest in America. Address Orders plainly to MERMOD & JACCARD Jewelry Co. Cor. Broadway and Locust St. Louis.

LAP TABLETS.



No. 780. Seal leather, each, $3 10

OUTSIDE.

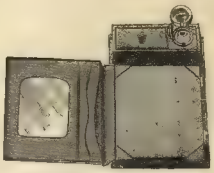


INSIDE.

No. 785	Black and tan grain leather		per doz.,	$8 00
" 783	"	"	"	8 00
" 788	"	"	"	10 65
" 780	"	"	"	18 65
" 781	"	"	"	10 00

No 63. Plush, asst. colors, per doz., $13 20
" 83. With mirror ..... " 15 00

OUTSIDE.



INSIDE.

No 801. Black and tan grain leather, per doz., $18 65

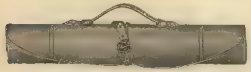
MUSIC ROLLS.

No 304. Seal leather, octagon shape, handle ..... per doz $12 00

No. 114. Silk plush, with nickel handle, length, 15 in ..... per doz., $8 50

No. 254. Music wrap, plush, leather trimmings..... per doz., $15 00

No	2.	Leather seal ..... per doz.,	$16 00
	14	" imitation seal ..... "	8 50
"	10	assorted colors ..... "	4 00

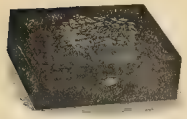


No 284. Leather, with strap, length 15 in., per doz. $9 00

No. 335. Saddlers' leather, embossed "Hawthorne" pattern, sateen lined, bound edges, strap, stamped handle and leather covered buckle . . . . . per doz, $15 00

READ THE PREFACE BEFORE ORDERING.

WRITING DESKS.

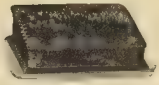


Square top, furnished with inkstand, silk plush, padded top, bronze ornaments

No 3342. Size 8x10½..... per doz., $26 00
" 3343. " 9x11½..... " 30 00
" 3345. " 9x11½..... " 40 00

Square top, furnished with inkstand, silk plush, padded top, flaps lined, imitation leather

No 3340. Size 8x10½..... ...per doz., $22 00
" 3341 " 9x11½..... " 26 00



Regency pattern, furnished with inkstand, silk plush, padded top, flaps velvet lined

No. 3512. Size 8½x10..... ...per doz., $18 00

Square top, furnished with inkstand, embossed leatherette, wicker pattern, bronze medallion, and bronze corner bands.

No 3322 Size 8x10½.....per doz., $13 00
" 3323. " 9x11½..... " 13 35

Regency pattern, furnished with inkstand, embossed leatherette, plain diagonal centre band, embossed corners, wicker pattern

No. 3510 Size 8½x10.. . . . per doz., $6 65

No 3510. Open

Secretary shape, furnished with inkstand, embossed leatherette, stamped in full gilt, "Secretary"

No 3308. Size 7½x9..... per doz., $6 65

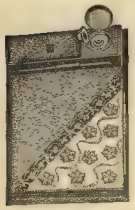
Secretary shape, furnished with inkstand, leatherette, stamped in gilt, two chromo medallions

No. 3506. Size 7½x9.. . . . per doz., $6 65

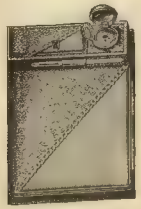
Secretary shape, furnished with inkstand, calf leatherette, fancy colors, embossed in black and colors, vines, ferns, etc

No 3504. Size 7½x9.....per doz., $4 00

LAP TABLETS.



No 799. Seal, oxidized corners....each. $3 00



No. 774. Seal, oxidized chain, fancy, each, $2 25

No. 67—3. With ock ....each $2 35
" 69 2 Witho t lock . 1 55

READ THE PREFACE BEFORE ORDERING.

UMBRELLA & CANE SHOW-CASES.

No. 1. Wall Cases for Umbrellas and Canes can be ordered separate or combined No. 1 Cane Case capacity, 60 canes No. 1, Umbrella Case capacity, 140 umbrellas. Made in walnut, ash or cherry. Cane case occupies 11x36 in., 3 feet 9 in. high; umbrella case occupies 11x26 in., 4 feet high

Each $15 00
Combined . . . . . net, 30 00

No. 12—FOUR SECTION UMBRELLA OR PARASOL CASE—One Section Open.

Walnut or white ash . . . $25 00
Ebony 30 00

No. 2, Wall Cases for Umbrellas and Canes can be ordered separate or combined. Cane case occupies 15x26 in., 3 feet 9 in. high. Umbrella Case occupies 15x26 in., 4 feet high. No. 2. Umbrella Case, capacity 60 umbrellas. No. 3, Cane Case, capacity 100 canes Made in walnut, ash or cherry

Each $18 00
Combined . . . . net, 36 00

No 3, Cane Case as a base for our regular No. 12 Umbrella Case This base occupies 30x32 in., 3 feet 9 in. high, and has a capacity for 300 canes; is finished all sides alike and is made in walnut, ash or cherry

Net $35 00

NOTICE.

The most important and latest improvement to our Umbrella and Parasol Cases is the nickeled brass wire springs which hold the umbrellas in a standing position, in place of the former rubber springs and iron pins combined

These springs are slick and clean, soft in tension, and, no doubt, will last forever

Old cases having the rubber springs can be furnished with both these new fixtures, if desired, at the small cost of $2 50 for a 4-section, $3.50 for a 6-section, on sticks ready to go in case. When ordering, give kind of wood in case, its cost and exact inside measure from front to back.

Wall Cases for Silverware, Fancy Goods, etc., illustrated in complete circular and price list.

No. 13, Wall Umbrella Case occupies 15x30 in., 4 feet high, capacity 120 umbrellas. Made in walnut, ash or cherry. A Cane Case can be had to fit under this with a capacity of 200 canes

READ THE PREFACE BEFORE ORDERING.

No. 23—Both Sections Swung Open.

FOR DEALERS

IN

Dry Goods Notions Fancy Goods Millinery, Gent's Furnishing Goods Hats and Caps, Boots and Shoes Toys, Stationery Druggists' Goods Jewelry Silver ware Cutlery Fancy Hardware Cigars Smokers' Goods And in fact for

Everything for which Show Cases can be Used.

Walnut..... $50 00
Ebony..... 60 00

No. 17—RIBBON CASE—Open.

EXHIBITION SHOW CASE CO.,

Erie, Pa., U. S. A., and Guelph, Canada.

The Exclusive Manufacturers of

—— HENRICH'S ——

Patent Swinging Sectional Show Cases

AND GLOVE CABINETS.

Freight paid from Erie, Pa.

No. 13—UMBRELLA CASE.

Walnut or ash $35 00
Ebony 45 00

No. 22—HAT CASE—One Side Swung Open.

The Most Successful and Important Invention Ever Made in Show Cases.

Walnut, ash or cherry ... $50 00
Ebony 60 00

No. 21—SHOE CASE—Open.

Walnut, ash or cherry. $30 00
Ebony 37 50

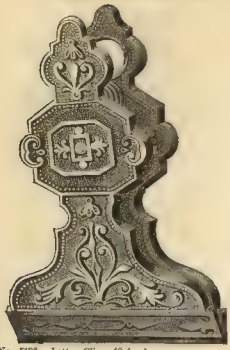
No. 17—5-SECTION RIBBON CASE—Closed.

Walnut or white ash $40 00
Ebony 50 00

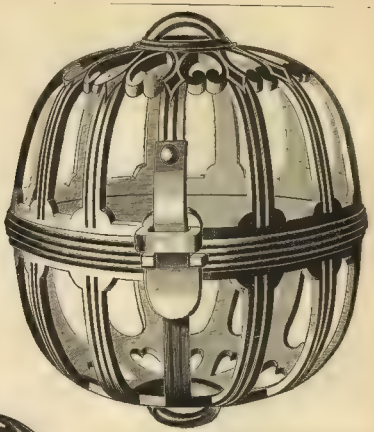
No. 16—4 SECTION RIBBON CASE—Open & Open.

Walnut White ash or cherry .. $30 00
Ebony..... 37 00

READ THE PREFACE BEFORE ORDERING.

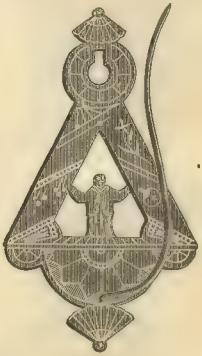


No. 5196. Letter Clips, 12 in. box, maroon finish ..... per doz., $1 35



Twine box No. 1432, maroon finish, 3 in box per doz $2 85

Twine box No. 1426, maroon finish, without cutter, 3 in box per doz $3 50
1429, " " with cutter, " " " 4 00



No. 5434. Letter File, 12 in box, maroon finish, per dozen $2 85

READ THE PREFACE BEFORE ORDERING.

SPINDLES OR LETTER FILES.

No 5290. Extra heavy base, with brass tube, maroon, 6 in a box, per doz $2.10
" 5282. Octagon base, maroon, 6 in a box . . . . per doz., 2 20
" 5296. Square " " 12 " " " 50

No. 5408 Letter File, maroon finish 6 in a box, per doz $1 05

No. 5320. Letter File, maroon finish 1 doz. in box . . . . per doz., $0 75

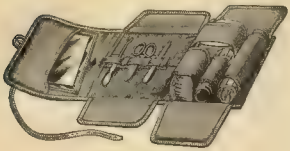
No. 5128. Letter Clip, maroon finish, 1 doz. in box. . . . . per doz., $1 00

READ THE PREFACE BEFORE ORDERING.

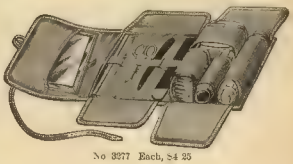
TRAVELERS' DRESSING CASES.

No 3418 HP Each $5 25

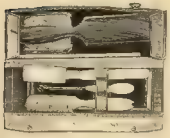
No. 170. Folding case, orange leather, contains mirror, nail, tooth, hair brush, soap box, hook and comb, each, $2 40



No. 3417. Each, $4 25



No 3277 Each, $4 25

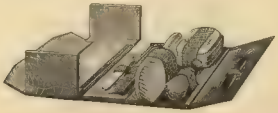


No. 140 Box case, orange leather, hand sewed, contains comb, hook, nail, tooth, hair brush and soap box and glass on cover. ..... per doz., $28 00

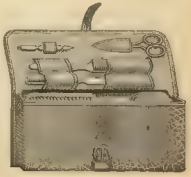
No 130 Box case, orange leather, hand sewed, contains comb, nail, tooth brush and good veneered back hair brush, and soap box. .....each, $1 75

No 239 A telescope case, orange leather, hand sewed, contains comb, tooth, nail and veneered back hair brush, per doz., $11 50

No 2952—B, per doz., $25 50.



No. 3290—HP, per doz., $36 00



No. 3378 Per doz., $25 50.

READ THE PREFACE BEFORE ORDERING.

SHAVING SETS.

No 6563. Fine silk plush, satin lined, panel front with ornaments, heavy beveled mirror inside of lid containing scalloped mug, razor, telescope brush, comb and scissors, size when closed, 7½x8½ . . . . . each, $4 75

No. 210. Antique leatherette sides, extension plush top and bottom, fitted with decorated mug and white brush, size 4½x6½ . . . . . per doz., $9 00

No. 6626. Shaving case, 13x7½x4 silk plush satin lined, extension bottom molding on top of standing lid, white moustache comb, victor beveled mirror 5x3. Patent metal handle shaving brush in lid. In case, white and gold mug, with comb and brush, nickel soap box and white handle razor. Each $4 25

No. 8868. Silk plush, satin lined, containing decorated mug, shaving brush, razor, size, 7¾x5¾x4½ . . . each, $1 75

No. 8863. Silk plush, satin lined, containing decorated mug, shaving brush, razor and scissors, with Victor mirror inside of cover, size, 8¾x6x5, per doz., $31 50

No 96. Leatherette, satin lined, containing decorated mug, razor and shaving brush. . . . per doz., $10 80

No 8823. Silk plush satin lined, extended base and top, containing decorated mug, shaving brush, razor, size, 6¼x5¼x3¾ . . . . . per doz., $16 00

No 6500. Silk plush, satin lined, size 6¼x5¼x4¾, white and gold mug, white handle shaving brush on raised block. Each $1 00

No 6336. Silk plush, satin lined, detachable mirror, razor, 5 fittings, 12¾x7x5¼ . . . each, $4 25

No 8839. Fine silk plush, with a shell relief designed top, the inside is richly lined with satin, five pieces fittings, size, 7¾x9¾x6¼ . . . . . each, $4 50

No 8815. A fine silk plush shaving case, raised top, ornamented with a fine porcelain painting, the inside is lined with satin, contains three pieces of fittings for shaving, size, 7x8x3½, per doz $37 50

READ THE PREFACE BEFORE ORDERING.

A MELLIN'S FOOD GIRL.

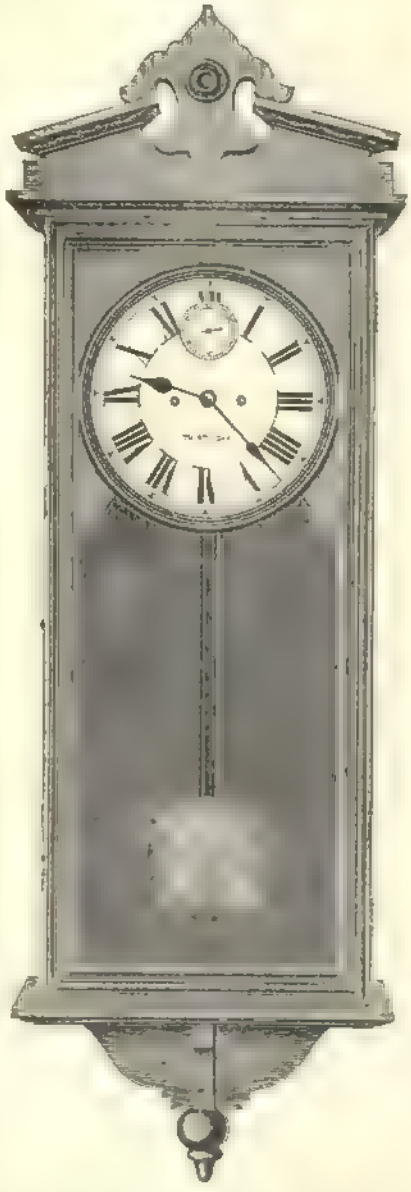
MISS MINNIE JOHN, aged 3 years, is a "simon pure" Mellin's Food baby, never having nursed a mother's breast a single time. Her life began on Mellin's Food and continued until her teeth allowed the coarser diet. Dentition was not delayed and was not accompanied with any unpleasant sequel.

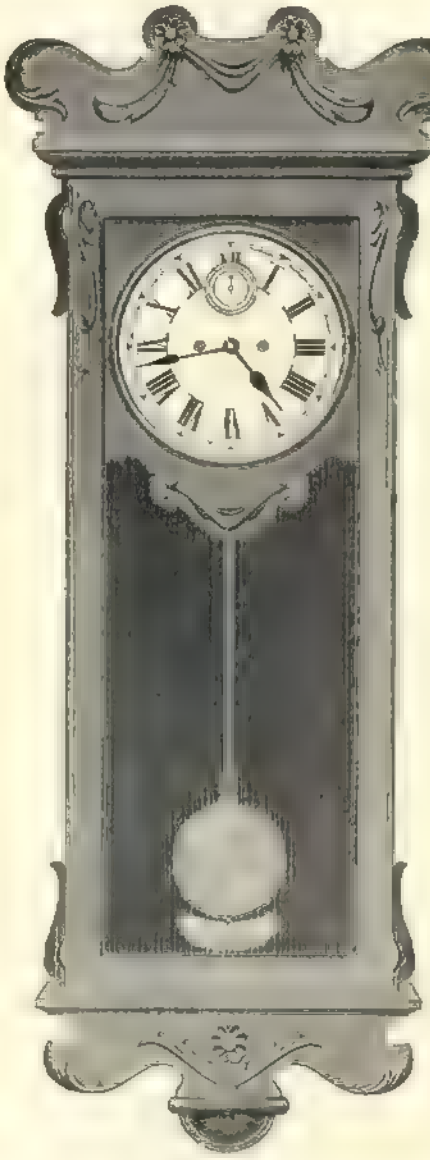
H. G. GOULD, M. D., 909½ N. Compton Street, St. Louis, Mo.

A free sample of Mellin's Food will be sent on request.

MELLIN'S FOOD COMPANY, BOSTON, MASS

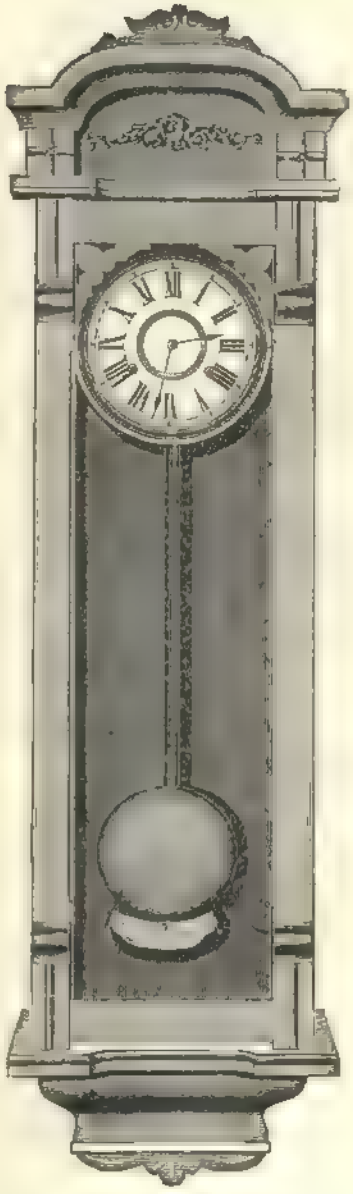
OFFICE REGULATOR CLOCKS.





Austrian, Oak or Cherry Case, Height 48¾ in., Width 19 in., Dial 10 in.

8 Day Time,	each	$16.90
8 Day Gong,	"	18.40
30 Day Time,	"	18.90
8 Day Time Weight,	"	20.00



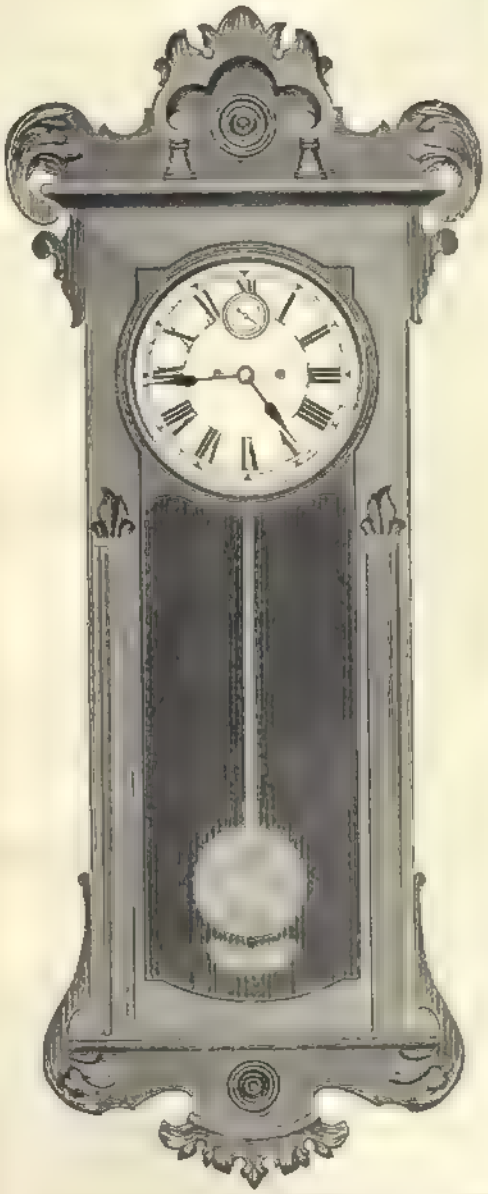
Vamoose, Solid Oak Case, Height 45 in., Dial 10 in.

8 Day Time,	each,	$10.80
8 Day Gong,	"	12 20
8 Day Time Calendar,	"	11 30
30 Day Time,	"	12 80

Columbia, Oak or Cherry Case, Height 48½ in., Dial 8 in.

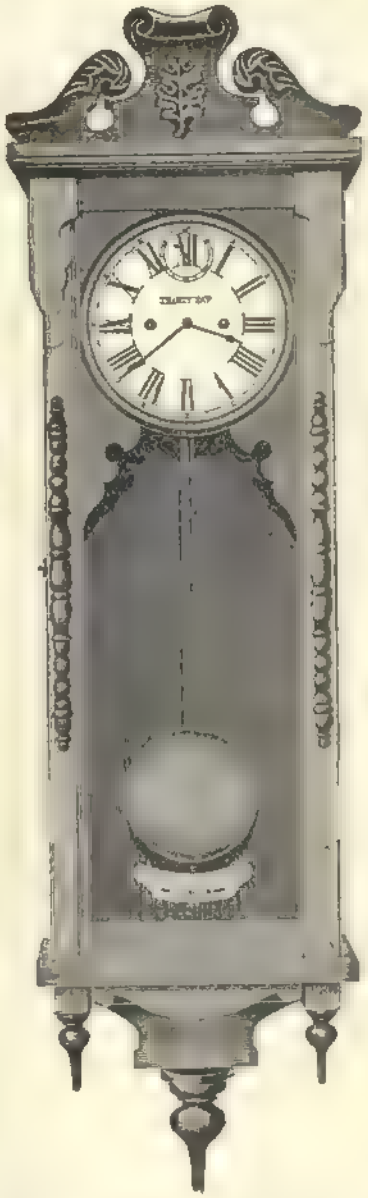
30 Day Time,	each	$15 60

OFFICE REGULATOR CLOCKS.



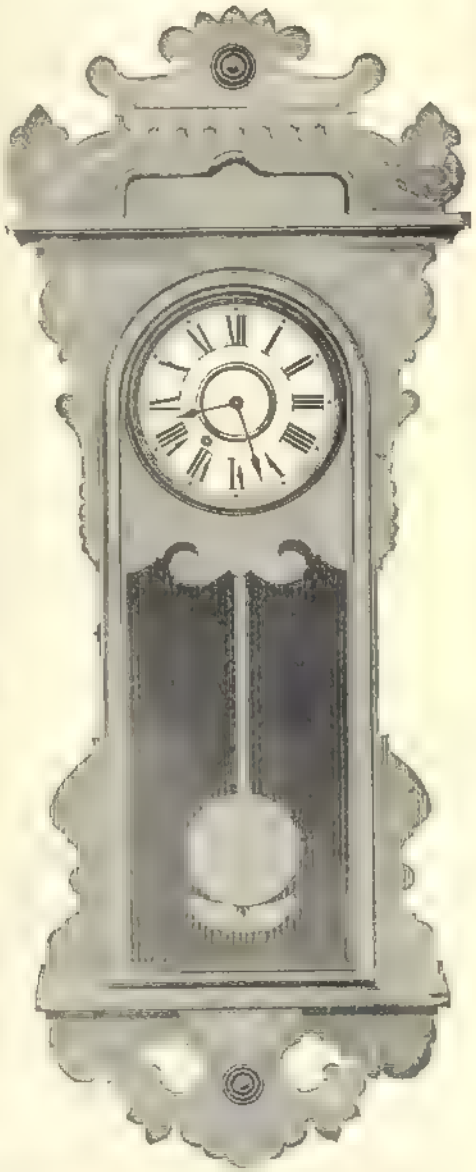
Grecian, Oak Case, Height 51 in., Width 20 in.
Dial 10 in.

8 Day Time,	each	$16 90
30 Day Time,	"	18.90
8 Day Gong,	"	18.40
8 Day Time Weight,	"	20 00



Trojan, Oak Case, Height 44 in.,
Dial 8 in.

30 Day Time, - each $17.15

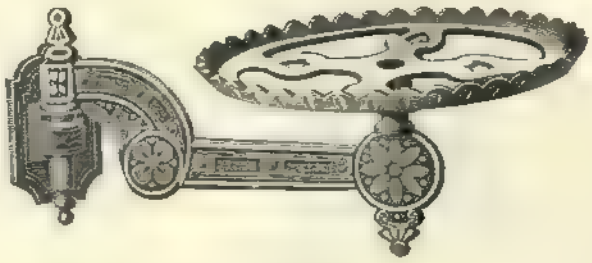


Maywood, Oak Case, Height 44½ in., Width 17 in.,
Dial 8 in.

8 Day Time,	each	$10.00
30 Day Time,	"	12.00

FLOWER POT BRACKETS.

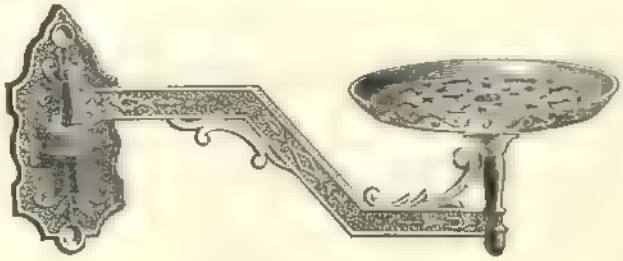
No 1984



No. 1760

No. 1984 Enameled, 4½ in. shelf, - - - - - - - - - - per dozen $1.35
No. 1760 Enameled, 4 in. shelf, 5 in. arm, - - - - - - - - - " 1.20

NO. 1984, ONE DOZEN, NO. 1760 HALF DOZEN IN A BOX. COMPLETE WITH SCREWS.



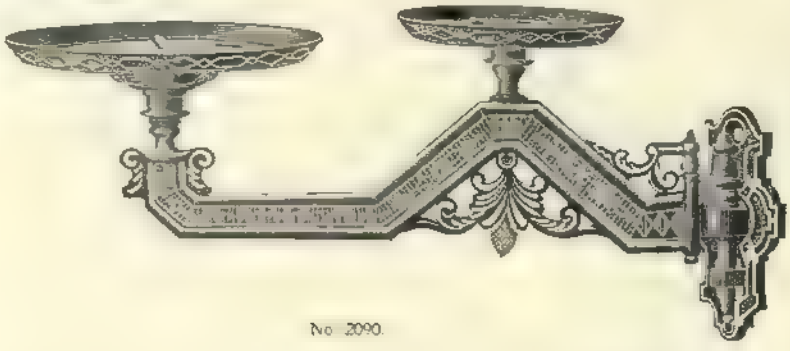
No. 2000.

No 1872.

No. 2000–Enameled, 7 in. arm, 4¼ in. shelf, - - - - - - - - - - per dozen $2.10
No. 1872–Enameled, 9 in. arm, 5½ in shelf, - - - - - - - - - " 2.95

ONE QUARTER DOZEN IN A BOX. COMPLETE WITH SCREWS.

No 954.

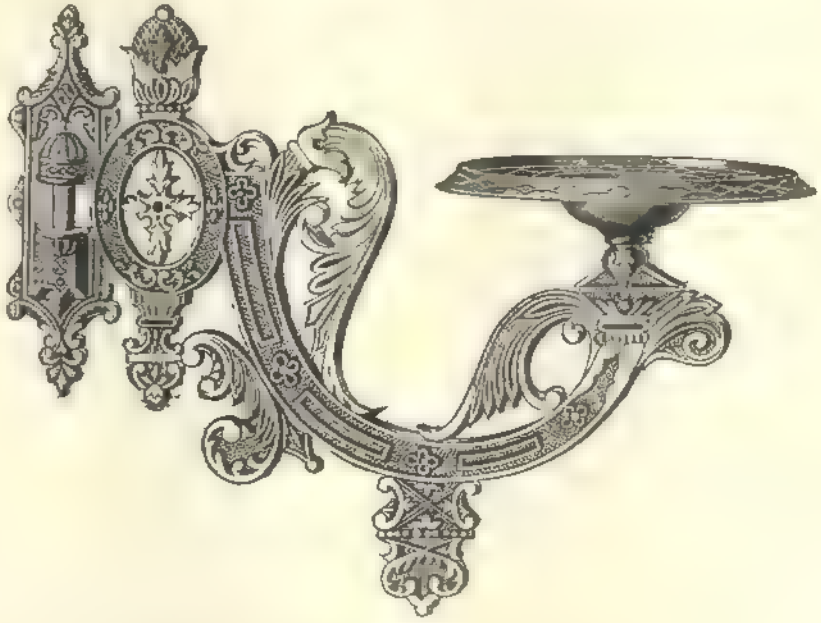


No 2090.

No. 1954–Dark antique, 15 in. arm, 6½ in. shelf, - - - - - - - - - per dozen $7.05
No. 2090–Dark antique, 12 in. arm, 5½ and 4 in. shelves, - - - - - - - " 5.35

ONE QUARTER DOZEN IN A BOX, COMPLETE WITH SCREWS.

FLOWER POT BRACKETS



No. 1972–Blue enameled, 12 in. arm, 6½ in. shelf, ... per dozen $7.30

ONE QUARTER DOZEN IN A BOX. COMPLETE WITH SCREWS.

No. 2136–Enameled, two 9 in. arms, 5 in. shelves, ... per dozen $5.50

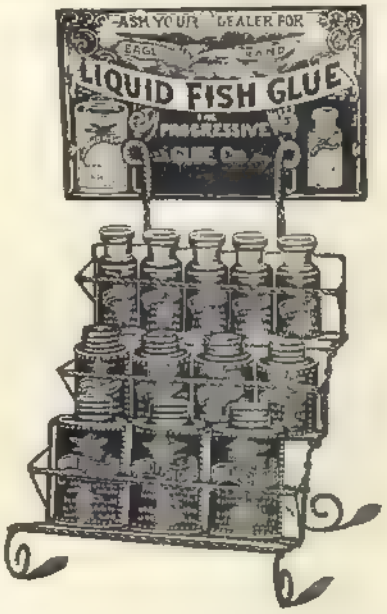
ONE QUARTER DOZEN IN A BOX. COMPLETE WITH SCREWS.

No. 2408–Enameled, three 8 in. arms, 5½ in. shelves, ... per dozen $10.75

ONE IN A BOX. COMPLETE WITH SCREWS.

LIQUID FISH GLUE.

EAGLE RETAIL ASSORTMENTS.



Consists of 2 doz. 1 oz. bottles, 1 doz. half gill cans, complete with tinned wire display stand, each - - - - - - - - - $4.00

ONE IN A CASE.

LE PAGE'S RETAIL ASSORTMENTS.

Consists of 2 doz. 1 oz. bottles, 1 doz. half gill cans, complete with tinned wire display stand, each - - - - - - - - $4.00

ONE IN A CASE.

BULK GLUE.

"B" Amber, - - - - - per lb. $0.25
"A" White, - - - - - " .30
"H. S." Amber, extra quality, - - " .35

BORAX.

Refined, - - - - - - per lb. $0.15

GLUE POTS.

Cast Iron, Tinned Inside.

No.	00	0	1	2	3
Capacity, pints,	½	1	1½	2	3
Per doz.	$5 50	6.00	6.75	8.40	10.26

RESIN.

Extra, - - - - - - - per lb. $0.04

LIQUID FISH GLUE.

EAGLE.

With Brush.

1 Oz. bottles,	per doz.	$1.00
2 Oz. bottles,	"	1.50

ONE DOZEN IN A BOX.

With Brush.

½ Gill cans,	per doz.	$1.50
1 Gill cans,	"	2.00

ONE DOZEN IN A BOX.

Without Brush.

½ Pint cans,	per doz.	$ 3.00
1 Pint cans,	"	5.00
1 Quart cans,	"	9.00
½ Gallon cans,	"	15.00
1 Gallon cans,	"	27.00
5 Gallon cans,	each	9.75

ONE HALF PINT CANS, TWO DOZEN, ONE PINT AND ONE QUART, ONE DOZEN, HALF AND ONE GALLON, HALF DOZEN IN A CASE.

LE PAGE.

With Brush.

1 Oz. bottles,	per doz.	$1.20
2 Oz. bottles	"	1.80

ONE DOZEN IN A BOX.

Patent Top, with Brush.

½ Gill cans,	per doz.	$1.80
1 Gill cans,	"	2.40

ONE DOZEN IN A BOX.

Patent Top.

½ Pint cans,	per doz.	$ 3.25
1 Pint cans,	"	5.50
1 Quart cans,	"	9.50
½ Gallon cans,	"	15.00
1 Gallon cans,	"	27.00

ONE HALF PINT CANS, TWO DOZEN, ONE PINT AND ONE QUART, ONE DOZEN, ONE HALF AND ONE GALLON, HALF DOZEN IN A CASE.

HARMONICAS.

No. 270.

No. 270–Old Reliable, 12 holes, single reed, nickel plated case, 4⅛ in., - - - - - - per dozen $0.80
No. 444–Military Band Harp, 10 holes, single reed, nickel plated case, 4 in., - - - - " 2.70
No. 170–Best Saxony make, 10 holes, steel bronze double reeds, nickel plated case, 4½ in., - " 3.00
No. 500–Pickaninny Band, 10 holes, single reed, nickel plated case, 4 in., - - - - " 3.50

No. 271

No. 271–Richter's, 10 holes, single reed, nickel plated case, 3¾ in., - - - - - per dozen $1.00
No. 272–Richter's, 12 holes, single reed, nickel plated case, 4½ in., - - - - - " 1.30
No. 161 Richter's Little Corporal, 10 holes, single reed, nickel plated case, 3¾ in., - - " 1.90
No. 150–Cornet, 14 holes, double reed, nickel plated case, 4½ in., - - - - - " 2.00
No. 160–Mozart, 10 holes, single reed, nickel plated case, 4⅛ in., - - - - - - " 2.00
No. 700 Ludwig's genuine Richter, tree brand, 10 holes, single reed, nickel plated case, 3⅞ in., " 2.20

No. 140–Kickapoo, 10 holes, single reed, nickel plated case, 4 in., - - - - - - per dozen $1.75

No. 130–Peerless Schaller, 16 holes, double reed, nickel plated case, 4⅞ in., - - - per dozen $1.80

HALF DOZEN IN A PACKAGE.

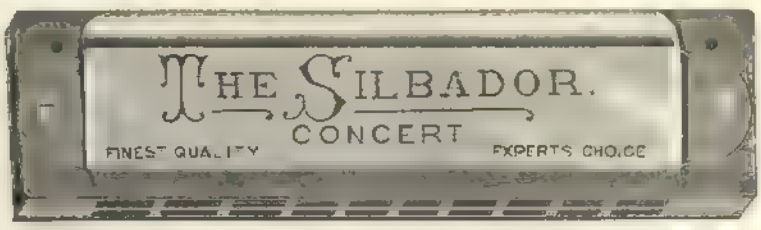
HARMONICAS.

No. 110–Richter's Silbador, finest quality, 10 holes, single reed, nickel plated case, 4 in . . . per dozen $4.50

No. 180–Richter's Whaleback, 10 holes, single reed, nickel plated case, 4 in., . . . per dozen $5.00

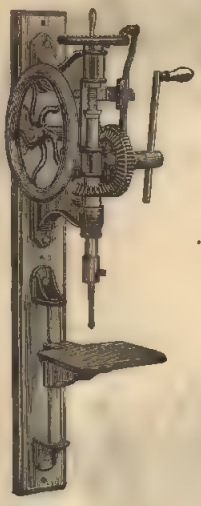
No. 190

No. 600–Genuine Hohner, 10 holes, single reed, nickel plated case, 4 in., . . . per dozen $5 00
No. 190 Genuine Hohner, newest and best, full concert, 10 holes double reed, nickel plated case, 4½ in., per dozen 7.50



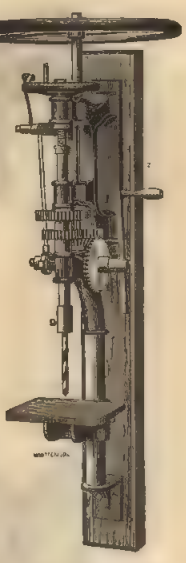
No. 120–Silbador Concert, finest quality, 10 holes, double reed, nickel plated case, 4¾ in., . . per dozen $9 00

UPRIGHT SELF-FEEDING DRILLS.



No. 2

Drills from 1-8 to 1 inch hole.



No. 3

Drills from 1-4 to 1 1-4 inch hole.

No. 2. Length, 54 inches; Weight, 160 lbs.; for Hand or Power; Price, $48 00

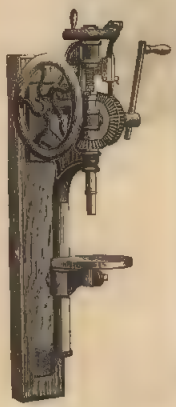
" 3, Arranged with Slip Gear, whereby a quick or slow motion may be given the Drill, for Light and Heavy Work.

For Hand or Power; Weight, 250 lbs.; Price, - - - - - - 75 00

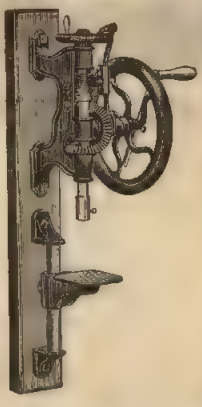
Extra if both Pulley and Balance Wheel are taken, - - - - - 3 00

All Drills are Set Up as Shown in the Cuts.

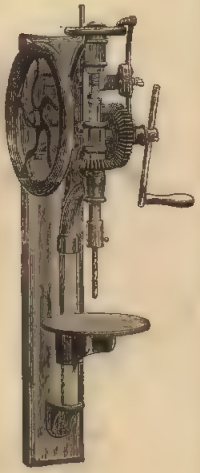
Upright Self-Feeding Drills.



No. 0
Drills from 1-16 to 3-8 in.



No. 1
Drills from 1-8 to 3-4 in.



No. 1
Drills from 1-8 to 1 in.

No. 0, Length, 26 inches; Weight, 30 lbs.; - - - - price, $20 00
This is fitted for a No. 2 Beach Chuck, or can be used without. Chuck extra.
No. 1, Length, 42 inches; Weight, 95 lbs.; - - - - price, 28 00
No. 1½, " 44 " " 120 " - - - - " 36 00

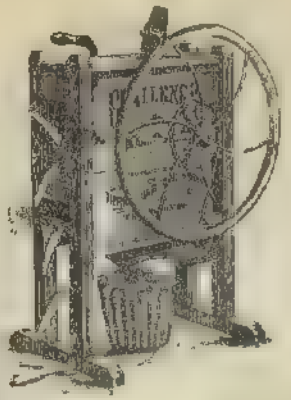
PRICE LIST OF THE MORSE DRILLS MADE FOR THESE MACHINES.

1-8 to 1-4,	$0 65	5- 8,	$1 65	1,	$4 00
5 16,	75	11-16,	2 00	1 1-16,	4 10
3- 8,	85	3- 4,	2 40	1 1- 8,	4 80
7 16,	1 00	13-16,	2 80	1 3-16,	5 25
1- 2,	1 20	7- 8,	3 20	1 1- 4,	5 75
9 16,	1 40	15-16,	3 60		

All Drills are Set Up as Shown in the Cuts.

Corn Shellers.

Challenge.



Challenge, One Hole, without Fan, Each $
" " with "

Lever Feed Cutters.

Star

Star Lever Feed Cutters, 13 in. Knife, Adjustable Box, with Set Screw Each $

Corn Shellers.

Oye one

Cyclone Corn Shellers
Eagle " " One Hole with Fan,
" " with

Eagle

Each

Water Coolers.

Assorted Colors. Zinc Body, Galvanized Iron Reservoir, Charcoal Filled, Nickel Plated Lever Faucet.

Nos.	102	103	104	106
Gallons,	2	3	4	6
Diam. of Base, Inches,	11	11½	13	15½
Each,	90			

Assorted Colors. Wrought Iron Body, Corrugated Galvanized Iron Reservoir, Charcoal Filled, Nickel Plated Self-Closing Faucet.

Nos.	703	706	708	710	712
Gallons,	3	6	8	10	12
Diam. of Base, Inches,	11	15	16½	17	18
Each,					

Gate City Water Coolers

Cooler Stands.

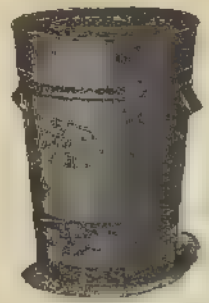
No. 0103. 3 Gal. Gate City Water Coolers, Gray Stoneware with Separate Ice Chamber, Nickel Plated Faucet. Each $6

" 1 Cooler Stands, Marbleized Iron Japanned, Diameter of Top 16 in.,

" 2 " " " " "

The Gate City Coolers will keep the water as pure as when put in. Are very strong and durable. Keeps water as cool as the expensive ice as is now used in the ordinary coolers

Water Filters.



No.	Size	Capacity	Japanned Water Pails	Japanned Height	Diam of Top	Diam of Bottom	Each $
"	6	3	"	21 in.	10 in.	15 in.	"
"	9	5	"	23½ in.	"	17 "	"
"	14	4	"	27 in.	"	18½ in.	"
"	52	2	Chimax Water Filters, Japanned Iron Reservoirs			Porcelain Lined	"
"	53	3	"	"	"	"	"
"	54	5	"	"	"	"	"
"	55	4	"	"	"	"	"

Gate City

Gray Stone Ware, with Nickel Plated Faucet.

No.	Size	Filters	Capacity per day, Top Holds	Bottom		Each $
"	8	"	3	11 quarts,	14	"
"	10	"	3	13	20	"
"	908	"	2	8	0	with Separate Ice Chamber,
"	909	"	3	11	14	"
"	910	"	4	13	20	"

Engine Lathe.

12 Inch Swing.

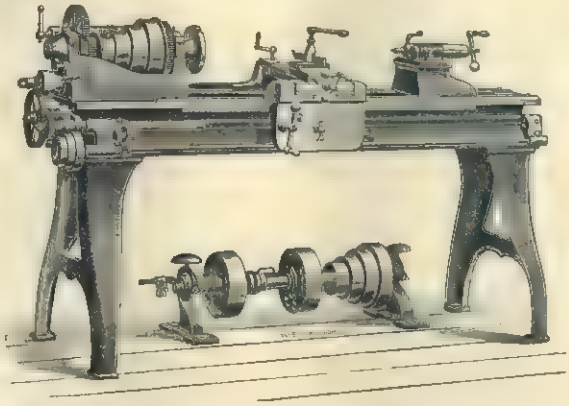


Fig. A-2896.

This lathe is made with hollow spindle in the head. Diameter of hole 9-16 inch.

Cone pulley has four sections, 7½, 6, 4½ and 3 inches diameter respectively, for a 1¾ inch belt.

Steel rack and pinion for moving carriage.

Steel leading screw with open and shut nut.

Cuts threads 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 36, 38 and 40 to the inch.

Independent rod and patent friction feed, with addition of patent variable feed, giving a range from 28 to 280 cuts per inch.

Lathe is furnished with raise and fall gib rest, as shown in above cut, or it can be furnished with plain gib rest at same price.

Compound rest can be furnished at an extra charge.

Taper attachment can be furnished with plain gib rest only.

Lathe is not made with power cross feed.

Countershaft has patent friction pulleys 8 inches diameter for a 2¼ inch belt, and should make 180 revolutions per minute.

Patent friction pulleys can be oiled while running, thereby saving loss of time, danger and annoyance in running off the belts; which is an important item where a number of lathes are in use.

Swing over Bed.	Length of Bed.	Swing over Elevating Rest.	Swing over Plain Rest.	Turns in Length.	Weight	Price.
12 Inches.	6 Feet.	6¼ Inches.	7 Inches.	45 Inches.	900 Pounds.	$ . . .

Weight per foot, 50 lbs.
Extra per foot, $ . . . .

Extra for Compound Rest, $ . . . .
Extra for Taper Attachment, $ . . . .

Prices include large and small face-plates, center rest, wrenches and countershaft.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Engine Lathe.

14 Inch Swing.

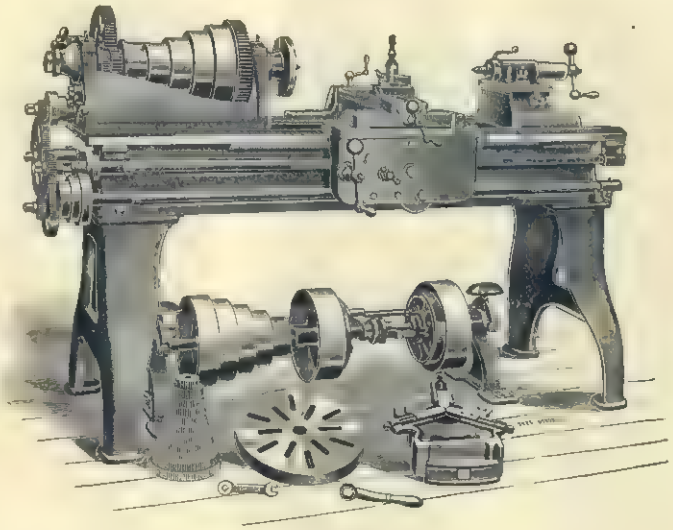


Fig. A-2897.

This lathe is made with hollow spindle in the head. Diameter of hole, 9-16 inch.

Cone pulley has four sections, 8½, 6¾, 5 and 3¼ inches diameter respectively for a 2 inch belt.

Steel rack and pinion for moving carriage.

Steel leading screw with open and shut nut.

Cuts threads 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 28, 30, 32 and 36 to the inch.

Independent rod and patent friction feed, with addition of patent variable feed, giving a range from 24 to 280 cuts per inch.

Lathe is furnished with raise and fall gib rest as shown in the above cut, or can be furnished with plain gib rest at same price.

Compound rest can be furnished at an extra charge.

Power cross feed is furnished only with plain gib rest.

Countershaft has patent fraction pulleys, 10 inches diameter, for 2¼ inch belt, and should make 140 turns per minute.

Patent friction pulleys can be oiled while running, thereby saving loss of time, danger and annoyance in running off the belts.

Specifications.

Swing Over Bed.	Length of Bed	Swing over Elevating Rest	Swing over Plain Rest	Turns in Length	Weight.	Price
14 Inches.	6 Feet.	7 Inches	8½ Inches	43 Inches	1,180 Pounds	$.

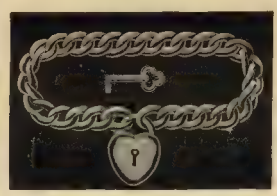
Weight, per foot, 75 lbs.

Extra, per Foot, for Longer Beds . . . . . $ . . . Extra for Compound Rest . . . . . $ . . .

Prices include large and small face-plates, center rest, wrenches and countershaft.

ALL ROMAN COLOR.

No. 210
Hair Ornament, Roman Color,
$14 00 Each



No. 211.
Chain Bracelet, Roman Color, $36 00 Each

No. 212.
Hair Ornament, Roman Color,
$10 00 Each

No. 213.
Dress Button Sets, Roman Color, $6 50 Per Set.
Same in 4 Buttons, $9 00 Per Set.

No. 214.
Dress Button Sets, Roman Color, $6 50 Per Set.
Same in 4 Buttons, $9 00 Per Set.

Dress Button Sets, Roman Color, $6 00 Per Set.
Same in 4 Buttons, $8 00 Per Set.

No. 217.
Guard Chain, for Lorgnette or Watch,
Roman Color, 48 Inches Long,
$22 00 Each.

No. 216.
Chain Bracelet, Roman Color, Half Chased,
$52 00 Each.

No. 218.
Guard Chain, for Lorgnette or Watch,
Roman Color, 48 Inches Long,
$32 00 Each.

FOR OTHER BRACELETS AND HAIR ORNAMENTS SEE PAGE 188.

SOLID 14 KARAT GOLD JEWELRY.

ALL ROMAN COLOR.

No. 219
Scarf Pin, 3 Pearl Settings, $5 50 Each.

No. 220
Scarf Pin, Pearl Setting, $4 50 Each.

No. 221
Combination Hat Pin and Brooch, $8 00 Each.

No. 222
Scarf Pin, $3 50 Each.

No. 224
Scarf Pin, $4 00 Each.

No. 224.
Ear Screws, Pearl Settings, $7 50 Per Pair.

No. 225
Ear Drops, Pearl Settings, $7 50 Per Pair.

No. 226
Ear Screws, Pearl Settings, $6 50 Per Pair.

No. 227
Hair Ornament, $23 50 Each.

No. 228
Child's Pin, $4 50 Each.

No. 229
Child's Pin, $4 50 Each.

No. 230
Hair Ornament, $15 00 Each.

No. 231
Chain Bracelet, $27 50 Each.

No. 232.
Chain Bracelet, Half Chased, $36 00 Each.

FOR OTHER BRACELETS AND HAIR ORNAMENTS SEE PAGE 187.

FINE BRONZE AND SILVER CLOCKS.

SUMMER AND WINTER.

Height, 22 inches. Length, 24 inches.

Bronze. $72 00
Silver 79 00

Eight-Day, Gong Strike.

FINE BRONZE AND SILVER CLOCKS.

WINTER.

Eight-Day, Gong Strike. Height, 20½ inches; Length, 20 inches.

Bronze..... $56 00

Silver..... 62 00

BARD.

Eight-Day, Gong Strike. Height, 19 inches. Length, 20 inches.

Bronze..... $55 00

Silver..... 61 00

ANSONIA CLOCKS.

LETITIA.

Bronze and Silver.

Height, 22 inches. Price, $69.00

Eight-Day, Gong Strike.

FINE BRONZE AND SILVER CLOCKS.

POET.

Height, 22 inches. Length, 24 inches.

Bronze $62 50
Silver 69 00

Eight-Day, Gong Strike.

BOSS 14 KARAT GOLD FILLED CASES, 18 SIZE.

Guaranteed for 20 years. Prices are for Cases only.

FOR PRICES OF ALL AMERICAN MOVEMENTS SEE PAGES 175-176.

No. 2602. 18 Size, Hunting $25 00
" **2603.** 18 " Open Face 22 00

No. 2604. 18 Size, Hunting .. $23 00
" **2605.** 18 " Open Face..... 21 00

No. 2606. 18 Size, Hunting... $25 00
" **2607.** 18 " Open Face..... 22 00

No. 2608. 18 Size, Hunting. $31 00
" **2609.** 18 " Open Face . . 28 00

No. 2610. 18 Size, Hunting. $25 00
" **2611.** 18 " Open Face . 22 00

No. 2612. 18 Size, Hunting $28 00
" **2613.** 18 " Open Face.. 26 00

16 SIZE CASES SIMILAR TO THE ABOVE AT SAME PRICES.

BOSS 14 KARAT GOLD FILLED CASES, 18 SIZE.

Guaranteed for 20 years. Prices are for Cases only.

FOR PRICES OF ALL AMERICAN MOVEMENTS SEE PAGES 175-176.

No. 2614. 18 Size, Hunting . . .$25 00
" **2615.** 18 " Open Face 22 00

No. 2616. 18 Size, Hunting.....$25 00
" **2617.** 18 " Open Face. .. . 22 00

No. 2618. 18 Size, Hunting..... $23 00
" **2619.** 18 " Open Face... .. 21 00

No. 2620. 18 Size, Hunting. $22 00
" **2621.** 18 " Open Face..... 20 00

No. 2622. 18 Size, Hunting $31 00
" **2623.** 18 " Open Face. . 28 00

No. 2624. 18 Size, Hunting... .....$22 00
" **2625.** 18 " Open Face..... 20 00

16 SIZE CASES SIMILAR TO THE ABOVE AT SAME PRICES.

Table Kettles and Stands.

No. 1510.

No. 1520.

No. 1510. Polished Brass Kettle, Stand and Lamp, 6½ in. Diam., 3½ Pints. . . . . Each 9
" 1512. " " " without Stand and Lamp, 2½ Pints . . . . . "
" 1520. " " " Stand and Lamp, 6½ in. Diam., 3 Pints. . . . . "

No. 540.

No. 820.

No. 850.

No. 1540. Polished Brass Kettle, Stand and Lamp, 17 in. High. . . . . Each 9
" 1542. " " " without Stand and Lamp . . . . . "
" 1550. " " " Stand and Lamp, Flame, 11½ in. High. . . . . "
" 1560. " " " " " " 14½ " . . . . . "

Copper Range Kettles.

Nos. 1 and 2.

Nos. 01 and 02.

No. 1—Polished Copper, Diameter of Bottom 8½ in. Per Dozen,
" 2— " " " " 9 "
" 01—Nickel Plated Copper, Diameter of Bottom 8½ in.
" 02— " " " " 9 "

PACKED ONE IN A CASE.

Copper Tea Kettles

Polished, Flat Bottom, 14 oz.

Nos.	287	288	289
Size,	7	8	9
Per Dozen,			

Polished, Pit Bottom, 14 oz.

Nos.	278	279
Size,	8	9
Per Dozen,		

Polished, Flat Bottom, 20 oz.

Nos.	367	368	369
Size			9
Per Dozen,			

Polished, Pit Bottom, 20 oz.

Nos.	278	279
Size	8	9
Per Dozen		

Nickel Plated Flat Bottom, 14 oz.

Nos.	227	228	229
Size		8	9
Per Dozen			

Nickel Plated, Pit Bottom, 14 oz.

Nos.	238	239
Size	8	9
Per Dozen		

Nickel Plated, Flat Bottom, 20 oz.

Nos.	327	328	329
Size			
Per Dozen,			

Nickel Plated Pit Bottom, 20 oz.

Nos.	338	339
Size	8	9
Per Dozen		

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

The Continental Lawn Mower.

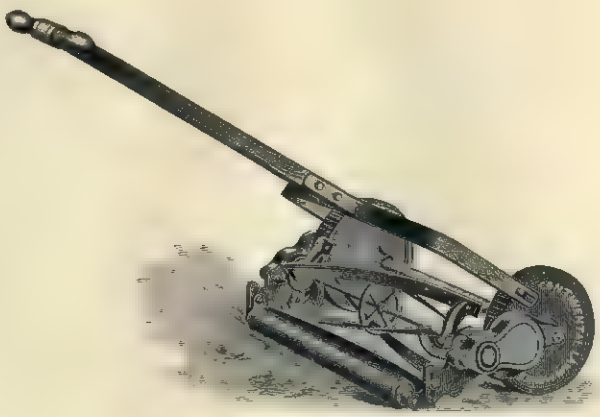


Fig A-1346.

The Lightest Running and Swiftest Cutting Mower in the Market.

PRICES.

High-Grass Machines.

15 Inch, Weighs 46 lbs.	Each,	$25 00
17 Inch, Weighs 48 lbs.	"	28 00

Regular Pattern.

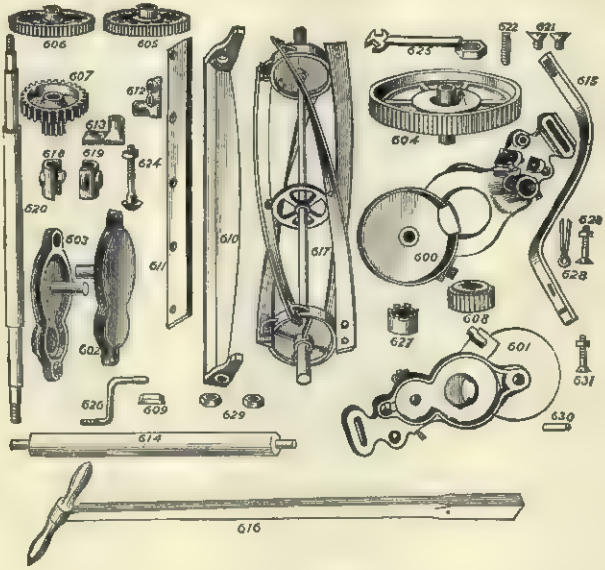
12 Inch, Weight 32 lbs.	Each,	$15 00
14 Inch, Weight 35 lbs.	"	17 00
16 Inch, Weight 37 lbs.	"	19 00
18 Inch, Weight 38 lbs.	"	21 00

Orders taken for Horse Lawn Mowers.

Continental Lawn Mower.

Price List of Parts and Directions for Ordering.

DIAGRAM OF PARTS



Group Fig. V-E-47

List of Parts of Continental Lawn Mower

10, 12, 14, 16 and 18 Inches.

When ordering parts of a Mower, be careful to order from numbers cast upon various parts which correspond with numbers on annexed diagram and list. To prevent error, it would be well also to mention the size of the Mower.

When parts are wanted for 15 and 17-inch Mowers, add 100 to the numbers on this sheet; thus if Shield is wanted, it would be No. 602.

500.	Left Hand Side Plate	$2 00
501.	Right Hand Side Plate	2 00
502.	Left Hand Shield	40
503.	Right Hand Shield	40
504.	Driving Wheel	80
505.	Collar on Shaft	20
506.	Intermediate Double Gear	40
507.	Right Hand Pinion	30
508.	Left Hand Pinion	30
509.	Steel Pawl	10
510.	Cast Back for Stationary Knife, 10 Inch **70c**, 12 Inch **80c**, 14 Inch **90c**, 16 Inch **$1 00**, 18 Inch,	1 10
511.	Steel Blade for Stationary Knife, 10 Inch **40c**, 12 Inch **45c**, 14 Inch **55c**, 16 Inch **60c**, 18 Inch,	70
512.	Right Hand Roller Bracket	$0 15
513.	Left Hand Roller Bracket	15
514.	Wood Roller, 10 Inch **35c**, 12 Inch **40c**, 14 Inch **45c**, 16 Inch **55c**, 18 Inch	60
515.	Handle Brace, 10 Inch **25c**, 12 Inch **30c**, 14 Inch **35c**, 16 Inch **40c**, 18 Inch	45
516.	Wood Handle	80
517.	Cylinder Complete, 10 Inch **$6.50**, 12 Inch **$7.00**, 14 Inch **$7 50**, 16 Inch **$8.00**, 18 Inch	8 50
518.	Right Hand Cylinder Cap	20
519.	Left Hand Cylinder Cap	20
520.	Shaft, 10 Inch **50c**, 12 Inch **60c**, 14 Inch **70c**, 16 Inch **80c**, 18 Inch	90
521.	Machine Screw	04
522.	Set-Screw for Adjusting Stationary Knife	04
523.	Bolt for Roller Bracket and Stationary Knife	02
524.	Bolt for Wood Handle	08
525.	Wrench	20
526.	Sharpening Crank	10
527	Split Pin	02
528.	Washer for Cylinder End	04
529.	Machine Screw for Cylinder End	10
530.	Nut for End of Shaft	10

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Mail Boxes.

Fig. A–302.

These Boxes are intended for use in hallways of office buildings, apartment houses, etc., and are coming into very general use in cities where the carrier system has been adopted.

The Box is very strong, being made of iron, cast in one piece. Security is guaranteed also by the use of a Yale Lock with Corrugated Key. The flap at top can be raised, and through the opening thus exposed letters may be dropped into the Box. The grating at bottom enables any one to see at a glance, without opening the box, whether it contains any mail or not. The attachment of the Box on the wall is very simple, secure and easy.

Iron. Japanned Finish.

No. **2.** Size, 3 Inches Deep, 7 Inches Wide, 11 Inches High, with 3 Keys . . . . . Each, **$3 00**

No. **3.** Size, 2 Inches Deep, 5 Inches Wide, 8 Inches High, with 3 Keys . . . . . " **2 50**

Corbin's House Letter Boxes.

Fig. A-303
Cut One-half Size

General Description.

These Boxes are constructed of sheet metal in different finishes. Have a flat key. Secure Lever Lock with two keys to each lock. Opening in door covered by glass, so that mail can be readily seen. Clip for name in rear of glass. Spring attached to box to hold papers.

No. **2.** Steel, Dull Black, Japanned	Per dozen,	**$18 00**
No. **4.** Steel, Old Copper, No. 7 Finish	"	**24 00**
No. **10.** Brass, Dipped and Lacquered, No. 13 Finish	"	**24 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Sad Irons.

Common

Common Sad Irons, Polished, ... Per Pound, 9
" " " Nickel Plated . . . . . "
100 lb. and 250 lb. Cases 5 & 7 & 9 lbs. Assorted Cases 4 to 9 and 6 to 8 lbs.

Toy Sad Irons

No. 2 . . . .
" 3 . . . .
" 75 . . . .
" 150 . . . .

Per Dozen . . . .
" . . . .
" . . . .

Tailors' Geese

Tailors' Geese, Polished, No. 12, 14, 16, 18, 20 . . . . Per Pound, 8

Polishing Irons.

Troy

Star

Nos. 13 and 14 Nos. 72 and 77

No. 13—Troy Polishing Irons, Smooth Face, Weight 5 lbs. Per Dozen
" 14— " " " Perforated Face 5 " "
" 72—Star " " " Nickel Plated 5 " "
" 77— " " " Polished " 6 lbs. " "

ONE DOZEN IN A BOX

Sad Iron Handles.

Handles for No. Polite Sad Irons.
Stand " " "
No. 3—Common Sad Iron Stands

Sad Iron Stands.

No. 6

Per Dozen.
"
"

Hand Fluters

Geneva

No. 1—Geneva Hand Fluters, White Metal Base and Rocker. Per Dozen.

ONE DOZEN IN A BOX

Sleigh Bells.

Neck Straps.

No. 33—11 Round Bells, Assorted Nos., 6 to 11 Wire Fastened on Russet Leather Strap. Per Strap $
" 40—13 " " " 11 " " " " "
" 48—15 " " " 11 " " " " "

Body Straps.

No. 112—3 No. 2 Polished Round Bells Wire Fastened on Russet Leather Strap. Per Strap $
" 116—24 " " " " " " " "
" 118—28 " " " " " " " "
" 121—30 " " " " " " " "
" 123—36 " " " " " " " "
" 133—2 " 3 Rows Bells on Back and 11 Assorted Open Bells on Belly Wire Fastened on Russet Leather Strap.
" 135—Fifty-three Round Bells, Assorted Nos., 6 to 13 Wire Fastened on Russet Leather Strap.

No. 243—36 No. 2 Tapered Round Bells, Russet, Black Leather Edges Bound with Basketweave Cloth. Per Strap $
" 246—24 " " " " " " " "

No. 100—30 No. 2 Tapered Dia'mond Bells, Russet, Black Leather Scolloped Edges. Per Strap $
" 2100—30 " 2 Orchids " " " " " "

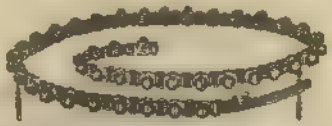
Sleigh Bells.

Body Straps.

No. 101 50 No. 2 Tinned Band Bells, Riveted, Black Leather Scalloped Edges. Per Strap 1
" 102—30 " 2 Nickeled " " " " " " "
" 103—30 " 2 Tinned, " " " " Fancy Bound Strip, Scarlet Center. "
" 104—30 " 3, Nickeled " " " " " " "

No. 356—30 No 3, Tinned, Double Throat Bells, Riveted Black Leather Scalloped Edges. Per Strap.
" 1356—30 " 3, Nickeled " " " " " " " "
" 2356—30 " 3, Orolue " " " " " " " "

Metallic Body Straps.



No. 0A—31 No. 2, Nickeled Dexter Bells, Plated Links, Per Strap.
" 1A—42 " 2 " " " " " "

Loose Sleigh Bells.

Round.

Open.

Round Bells

Nos.	2	3	4	5	6	7	8	9	10	11	12	13	14
Diameter, Inches	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2
Per Dozen,	1												

Open Bells

Nos.	0	1	2	3	4	5	6
Diameter Inches,	1½	2	2½	3½	3	3½	4½
Per Dozen,	6						

SAD AND POLISHING IRONS.

STAR SMOOTHING IRONS.

No. 70 Nickel plated, perforated iron handle, assorted Nos. 1, 2 and 3, - per doz. $5.25

These are the same as the Nos. 50 and 55, excepting that a perforated iron handle is used instead of the detachable wood one.

ONE DOZEN IN A CASE.

STAR POLISHING IRONS.

No. 77-Plain, polished, perforated handle, weight 3 lbs., - - - per doz. $5.00

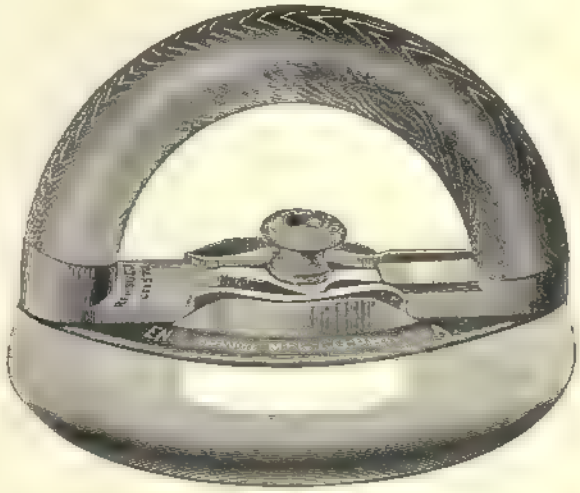
THREE DOZEN IN A CASE

FAMILY OUTFITS.

No. 550-Pine wood box, containing set of smoothing, polishing and girls' irons, nickel plated, complete with handles and stands, per set - - - - - - - - $3.50

SIX BOXES IN A CASE

CHINESE POLISHING IRONS.

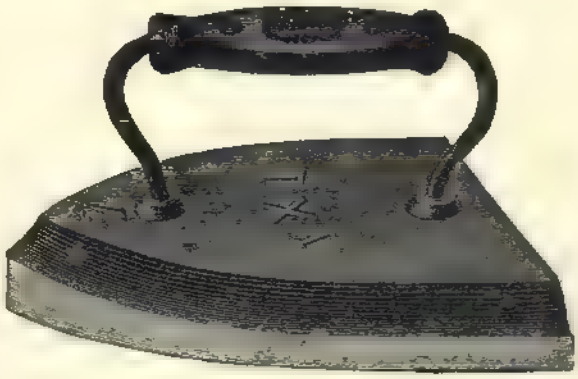


No. 80 Nickel plated, walnut detachable handle, weight 4½ lbs., - - - per doz. $9.25

ONE DOZEN IN A CASE

SAD AND POLISHING IRONS.

COMMON SAD IRONS.



Extra Polished, 5, 6, 7, 8 and 9 lbs., separate or assorted, see table below, - - - - per pound $0.05
Nickel Plated, assorted, 5 to 9 lbs, or 6 to 8 lbs, in a case, - - - - - - " .07

Table Showing the Number and Weights of Sad Irons Contained in 200 Pound Cases.

No. of Case,	11				11½			12					12½			13	
Weights of irons, pounds,	5	6	7	8	6	7	8	5	6	7	8	9	7	8	9	6	7
No. of irons of each size,	8	8	8	8	12	12	8	4	8	8	8	4	12	12	8	16	16

No. of Case,	14		15		15½	16	17	18	19
Weights of irons, pounds,	7	8	8	9	5	6	7	8	9
No. of irons of each size,	16	16	16	16	32	32	32	32	32

SMOOTHING AND LAUNDRY IRONS.

No. 2½.

Nos. 1 and 2.

No. 2½–Nickel plated, smoothing, weight 2½ lbs, - - - - - - - - per dozen $ 5.50
No. 1 –Nickel plated, laundry, round edge, weight 5 lbs., - - - - - - - " 11.00
No. 2 –Nickel plated, laundry, round edge, weight 6 lbs., - - - - - - - " 12.00

NO. 2½, ONE DOZEN; NOS. 1 AND 2, HALF DOZEN IN A CASE.

POLISHING IRONS.

No. 3½.

No. 4.

No. 10.

No. 3½–Star, nickel plated, weight 3½ lbs., - - - - - - - - - per dozen $ 8.00
No. 4 –Troy, smooth bottom, nickel plated, weight 4 lbs., - - - - - - - " 10.00
No. 10 –Troy, perforated bottom, polished, weight 4 lbs., - - - - - - - " 7.00

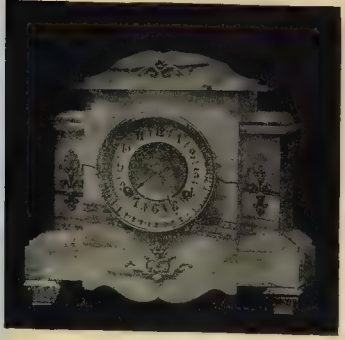
ONE DOZEN IN A CASE.

WATERBURY ONYX CLOCKS.

Note that these goods are manufactured by the Waterbury CLOCK Company, who have no connection with the Watch Company.

ONYX. No. 117, $45.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 12½ inches. Length, 12¾ inches.
Fine Gilt Dial, 5½ inches. Visible Escapement.

ONYX. No. 106, $34.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 11 inches. Length, 10¼ inches.
Fine Gilt Dial, 5½ inches. Visible Escapement.

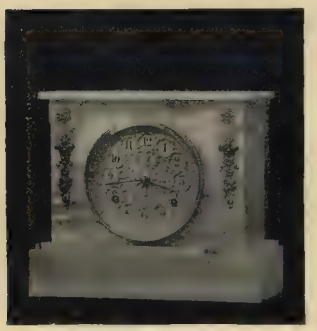


ONYX. No. 128, $53.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 12¼ inches. Length, 13½ inches.
Fine Gilt Dial, 5½ inches. Visible Escapement.

ONYX. No. 118, $48.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 12¾ inches. Length, 13¼ inches
Fine Gilt Dial, 5½ inches. Visible Escapement.

WATERBURY ONYX CLOCKS.

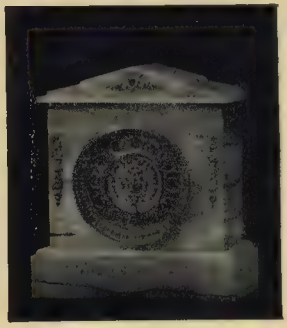
Note that these goods are manufactured by the Waterbury CLOCK Company, who have no connection with the Watch Company.



ONYX. No. 188, $20.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 9⅜ inches. Length, 11¼ inches.
Fine Gilt Ornamented Dial, 6½ inches.

ONYX. No. 183, $24.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 9⅛ inches. Length, 8¾ inches.
Fine Gilt Dial, 5½ inches. Fancy Gilt Center.

ONYX. No. 184, $26.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 11 inches Length, 9 inches.
Fine Gilt Ornamented Dial, 5½ inches.



ONYX. No. 187, $29.00
Eight-Day, Half-Hour Strike, Gong.
STAR MOVEMENT.
Height, 11¼ inches. Length, 9¾ inches.
Fine Gilt Dial, 5¾ inches. Fancy Gilt Center.

MILLER BROS.' STEEL PENS.

No. 444. Bronze

No. [illegible] Bronze

No. [illegible] Bronze, Commercial

No. 80. Bronze, Lady Falcon

No. 20. Amalgam. Circular Pointed.

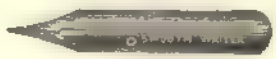
No. 113. White, Albata

No. 22. Bronze, Falcon

No. 1. Bronze, Bank

No. 94. Bronze, Express.

No. 75. Amalgam, Anti-Corrosive.


No. 030. Amalgam, Smooth Writer.

No. 333. Bronze, Extra Fine.

No. 101. White, Ledger.

No. 28. White, University.

No. 105. White, Double Action.

No. 119. Grey, Medium Stub.

No. 102. White, Fine Stub.
No. 44. Bronze Fine Stub

No. 121. Bronze, Telegraph.

No. 4. White, Carbon Stub.

No. 6. Bronze, Superb.

All Numbers, - per gross $0.75

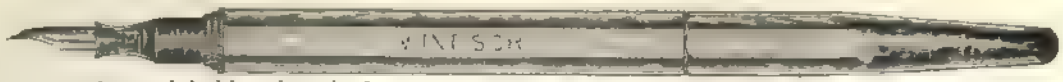
ONE GROSS IN A BOX. WE DO NOT BREAK BOXES.

WINDSOR PERFECTION FOUNTAIN PENS.

No. 0 Globe, long case, best rubber holder, 6 in long 12k gold pen, medium point, - - per dozen $12.00

No. 1–Long case, length of holder 6 in., made of the best Para rubber, 16k. gold pen, long nib, medium point or stub, - - - - - - - - - - - - - - - - - per dozen $18.00

No. 2 Taper cap length of holder 6 in., made of the best Para rubber, 16k. gold pen, long nib, medium point or stub, - - - - - - - - - - - - - - - - - per dozen $21.00



No. 3–Hexagon variegated holder, length 6 in., made of the best Para rubber, 16k. gold pen, long nib, medium point or stub, - - - - - - - - - - - - - - - - per dozen $24.00

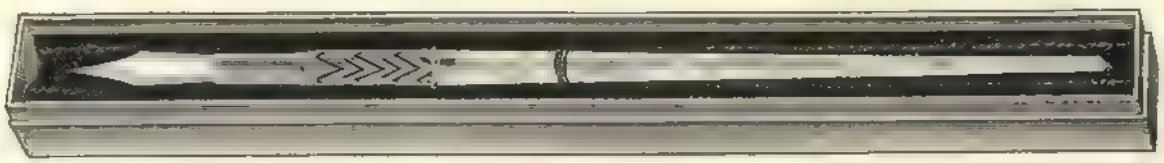
HALF DOZEN IN A BOX

WINDSOR PERFECTION FOUNTAIN PENS.

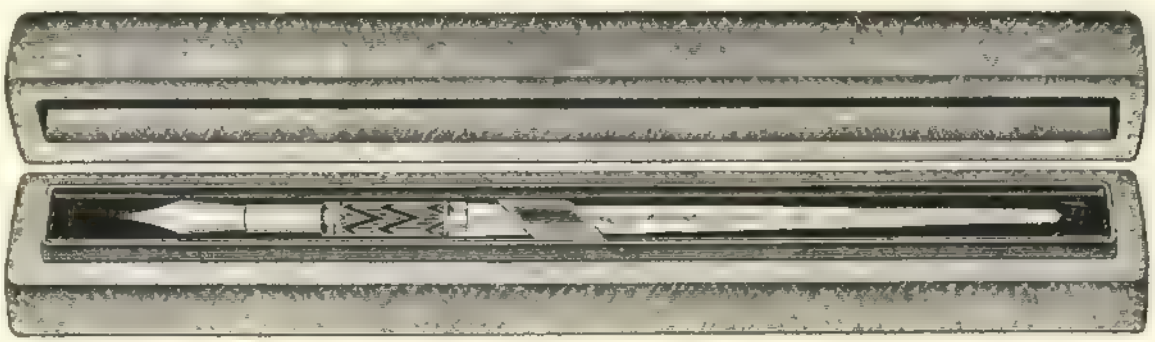
No. 4 Twist variegated holder, length 6 in., made of the best Para rubber, 16k gold pen, long nib, medium point or stub, ... per dozen $27.00

No. 5–Ladies' holder, gold bands, 5¾ in holder, made of the best Para rubber, 16k gold pen, long nib, medium point or stub, ... per dozen $30.00

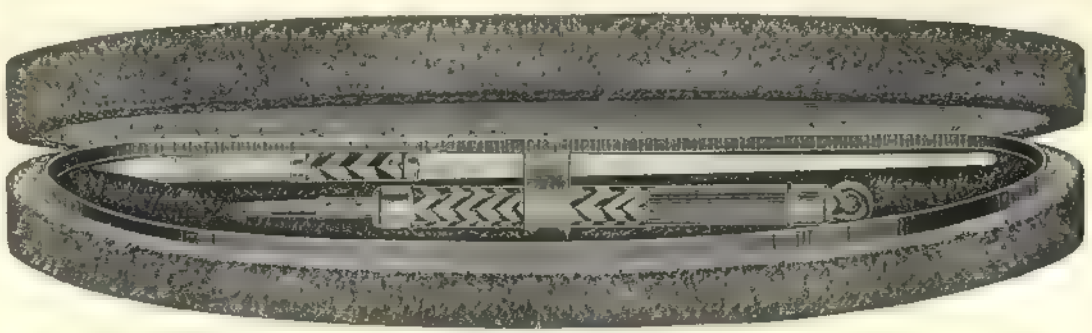
GOLD PENS IN CASES.



No. 246–Solid gold pen and pearl holder, in plush lined box, . . . per dozen $14.50



No. 242–Solid gold pen and pearl holder, in fine silk plush case, ... per dozen $18.00



No. 245–Combination gold pen, pearl holder and gold plated pencil, in fine silk plush case, . per dozen $36.00

Fruit and Vegetable Presses

Henis' Patent.

No. 10—Henis' Fruit and Vegetable Presses, Galvanized. . Per Dozen, $
One Dozen in a Box

Sausage Stuffers

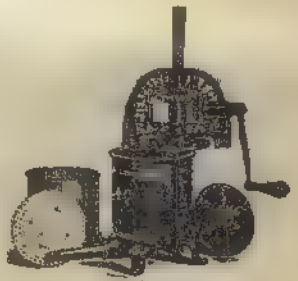
Perry's

No. 0—Perry's Lever Handle Japanned, for Butchers' Use, . Per Dozen $
" 1 " " " Family Use. "
Half Dozen in a Box.

Sausage Stuffers, Lard and Fruit Presses Combined.

Enterprise.

No. 5.



Nos. 25 and 35.

No. 5—2 Quart, Enterprise, Japanned, with Rack Movement. Per Dozen $
" 25—4 " " " " Screw "
" 35—6 " " " " "

Nos. 5 and 25—Half Dozen, No. 35—Quarter Dozen in a Box.

Meat Choppers

Little Giant

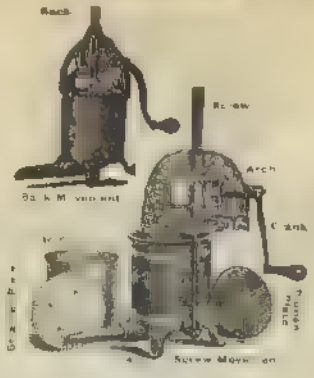
No.											Per Dozen $
"	210—	"	"	"	"	2	lbs. per minute.	"	6½	lbs.,	"
"	220—	"	"	"	"	3	lbs.	"	8½	lbs.,	"
"	212—	"	Screws	"	"	4	lbs.	"	9½	lbs.,	"
"	222—	"		"	"	5	lbs.	"	11	lbs.,	"
						4	lbs.	"	12½	lbs.,	"

Nos. 200, 210 and 212 Half Dozen. Nos. 220 and 222 One-Third Dozen in a Box.

Enterprise

No.											Per Dozen. $
"	10—	"	"				lbs. per minute.	Weight	40	lbs.	"
"	12—	"	Screws								"
"	22—	"	"			3	lbs.				"
"	32—	"	"			4	lbs.				"

Extra Parts for Enterprise Sausage Stuffers.



Nos.		5	45

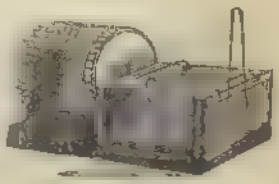
Mouse Traps.

Wood Choker

No. 100—Wood Choker { No. of Holes, 1 2 3 4 5 6
Per Dozen,

Metallic Choker

Tin Wheel



No. 200—Metallic Choker Mouse Traps, 3 Holes Per Dozen, $
" 80—Wheel Mouse Traps, Wood Bottom, Tinned Wire Wheel

Delusion.

Ideal.

No. 150—Delusion Mouse Traps, Self-Setting Per Dozen, $
" 175—Ideal

Rat Traps.

Round.

No. 5.

Square.

No. 10.

No. 5— Round Rat Trap, 17 in. Galvanized Wire Wood Bottom, . . . Per Dozen $

No. 10— Square Wire Rat Trap, Painted . . . .

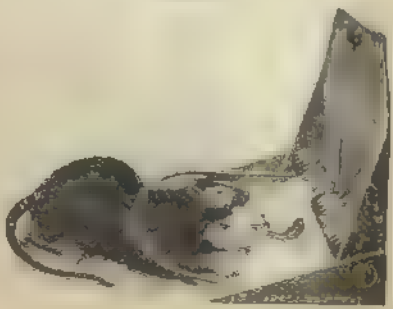
Eave.

No. 4.

No. 4 Eave Rat Traps, Wire Frame Steel Wire Springs, . . . Per Dozen, $

Guillotine Style.

Hotchkiss.



No. 20.

No. 20 Hotchkiss Improved Rat Traps, Iron Frame, Round Steel Wire Springs, Self Setting, Per Dozen $

Rat Traps.

Buckeye.

No. 13

No. 13—Buckeye Rat Traps, Iron Frame, Coppered Steel Wire Springs — Per Dozen 4

[illegible]

Mole Traps.

No. 305

No. 305—Mole Traps, Wrought Iron, Painted. — Per Dozen 1

[illegible]

PIPE TOOLS.

SHEFFY PIPE WRENCHES.

Cast Steel, Drop Forged, Polished.

No.	0	1	2	3	4
Inches,	7	9	12	15	18
For pipe, inches,	⅛ to ½	⅛ to ¾	⅛ to 1	¼ to 1 ½	¼ to 2
Each	$2.00	2 00	2.25	3 00	4 00

NOS. 0 AND 1, SIX. NOS. 2, FOUR. NO. 3 AND 4, TWO IN A BOX

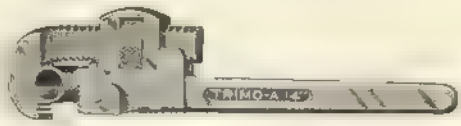
STILLSON PIPE WRENCHES.

Blued, Double Spring; 8, 10 and 14 Inch Have Wood Handle.

Inches (open),	8	10	14	18	24
For pipe, inches,	⅛ to ¾	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½
Each	$2.00	2.25	3.00	4 00	6 00

HALF DOZEN IN A WOOD BOX

TRIMO PIPE WRENCHES.



Inches (open),	8	10	14	18	24	36
For pipe, inches,	⅛ to ¾	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½	½ to 3½
Each	$2 00	2 25	3 00	4.00	6 00	12 00

8 TO 24 IN., HALF DOZEN, 36 IN., ONE-SIXTH DOZEN IN A CASE

BROWN'S ADJUSTABLE PIPE TONGS.

Solid Steel, Drop Forged.

No.	1	1½	2	3	4
For pipe, inches,	⅛ to ¾	⅜ to 1	½ to 1¼	1 to 2	1½ to 3
Per pair	$1.30	1 65	2 00	3 00	6.00

STANWOOD'S PIPE CUTTERS.

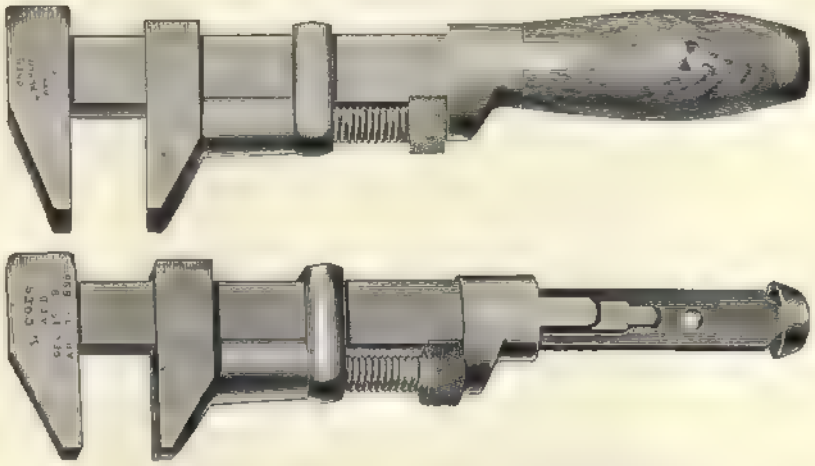
Case Hardened.

No.	1	2	3
For pipe, inches,	⅛ to 1	¼ to 2	2 to 3
Each	$1.50	2.25	7 00

ONE DOZEN IN A CASE.

WRENCHES.

COES' STANDARD.

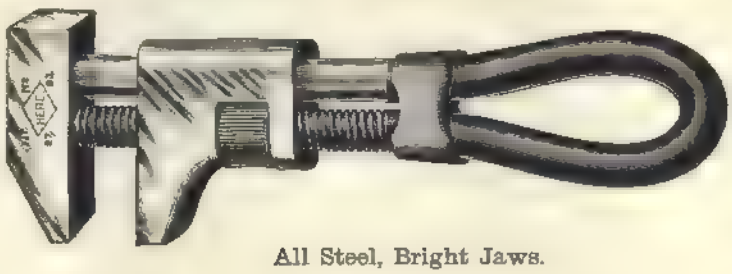


Wrought Iron Bar, Head and Screw, Knife Handle.

Inches,	6	8	10	12	15	18	21
Black, per dozen	$ 9 00	10.00	12 00	14.00	24.00	30 00	36 00
Bright, "	10.00	11.00	14.00	16.00	26.00	32 00	

6 TO 12 IN. HALF DOZEN BALANCE. ONE-THIRD DOZEN IN A PACKAGE.

HERCULES AGRICULTURAL.



All Steel, Bright Jaws.

Inches,	6	8	10	12	15
Per dozen	$9.00	10.00	12 00	14 00	24 00

4½ in. Hercules, pocket, all steel, unpolished, - per dozen $ 8.00

HALF DOZEN IN A PACKAGE

ACME STANDARD.

All Steel, Bright Hardened Jaws.

Inches,	6	8	10	12	15	18	21
Per dozen	$9 00	10.00	12.00	14.00	24.00	30.00	36 00

5 in. Acme, bright, pocket, - per dozen $ 8 00

5 in. Acme, nickel plated, pocket, - " 12 50

HALF DOZEN IN A BOX.

WRENCHES.

ALLIGATOR.

No Nos. 10 and 13. Nos. 2, 3 and 4

No. 1	5½ in., cast steel, polished open handle, for ¼ to ¾ in pipe,	per dozen	$ 4.00
No. 10	5½ in., forged steel, open handle, for ¼ to ¾ in. pipe,	"	5.00
No. 13	7 in forged steel, open handle, for ⅜ to 1⅛ in pipe,	"	7 00
No. 2	9 in., forged steel, solid handle, for ½ to 1 in. pipe,	"	12.00
No. 3	15 in., forged steel solid handle, for ¾ to 1⅜ in pipe,	"	24 00
No. 4	22 in., forged steel, solid handle, for 1½ to 2½ in pipe,	"	36 00

NOS 1 AND 10 ONE DOZEN NO. 13 HALF DOZEN IN A BOX, BALANCE LOOSE.

ALWAYS READY.

Forged Steel, Nickel Plated, Polished.

No.	1	2	2½	3
Inches.	5	7	9	11
Nuts or pipe, in.	¼ to ¾	¼ to 1¼	¼ to 1¾	¾ to 1¾
Per dozen	$5 00	6 75	10.50	16 00

HALF DOZEN IN A BOX.

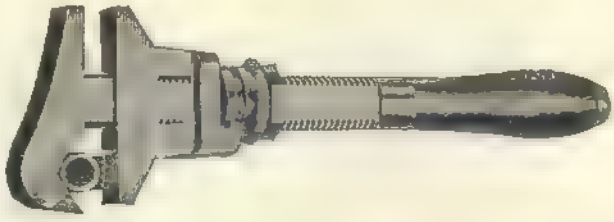
BAXTER "S."

Adjustable, Cast Steel, Bright.

Inches,	4	6	8	10
For nuts, inch,	¼ to ¾	¼ to 1	¼ to 1¼	¼ to 1½
Per dozen	$6 00	9 00	12.00	18 00

HALF DOZEN IN A BOX.

BEMIS & CALL'S COMBINATION.



No. 43. Bright, with Short Nut.

Inches,	10	12	15
For pipe diameter inches,	¼ to 1	½ to 1¾	½ to 2¼
Per dozen	$23 00	26 00	37.00
Extra Dogs, each	.25	.30	.35

HALF DOZEN IN A BOX.

No. 45. Bright, with Long Nut.

Inches,	10	12	15
For pipe, diameter, inches	¼ to 1	½ to 1¾	½ to 2¼
Per dozen	$25 25	28 50	40 50
Extra Dogs, each	.25	30	35

HALF DOZEN IN A BOX

C. L. ENGLISH'S IMPROVED PORTABLE FORGES.

Round Portable Forge. **Short Portable Forge.**

ROUND PORTABLE FORGES.

No. 1; weight, 208 pounds; diameter, 2 ft.; height, 4 ft. 2 in., price, $33 00
" 2; " 250 " " " 2 ft. 3 in.; " 4 ft. 6 in.; " 37 00

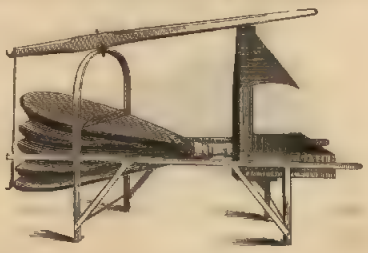
These are the best Forges for gunsmiths, contractors on public works, armories, gas fitters, dentists, jewelers, optical instrument makers, and the U. S. Army.

SHORT PORTABLE FORGES.

No. 7, length, 3 ft. 6 in.; width, 2 ft.; height, 6 ft., weight, 170 lbs., price, $35 00

This Forge has the bellows under the fire box, which makes it short, light and cheap. It has the Improved Patent Duck Nest Tweer Iron, with slide in the bottom to let out cinders and ashes and keeps it from melting the top of the Tweer Iron. It is well adapted to any kind of light work.

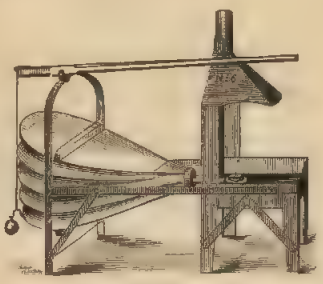
C. L. ENGLISH'S IMPROVED PORTABLE FORGES



LONG PORTABLE FORGES—Iron Frame.

No. 3; length, 6 ft. 6 in.; width, 2 ft. 6 in.; weight, 190 pounds; - price, $39 00

These Forges have iron frames, with large capacity for heating, and are compact and portable, and can be used for out-door work and with safety in-doors. They are the best in use for boiler makers, steamboats, railroad companies, contractors, gunboats, etc.



LONG PORTABLE FORGES—Iron Frame.

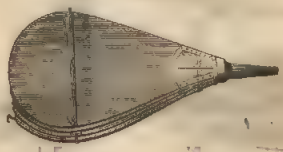
No. 4;	length, 6 ft.;	width, 2 ft. 7 in.;	weight, 190 pounds;	price,	$36 00
" 5;	" 6 ft.;	" 2 ft. 9 in.;	" 210 "	"	38 00
" 6;	" 6 ft. 6 in.;	" 3 ft. 2 in.;	" 235 "	"	42 00

These Forges have a large capacity for heating, and are well adapted for blacksmiths, shipping, steamboats, plantations, manufactories, machine shops, coppersmiths, miners and oil companies.

They can be taken apart or put together in ten minutes by any person.

C. L. ENGLISH'S IMPROVED BELLOWS.

Patented November 19th, 1867.



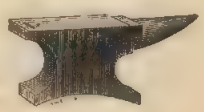
BLACKSMITHS' BELLOWS.

28	inch, extra long,	$18 00
30	" "	19 00
32	" "	20 50
34	" "	22 00
36	" "	23 50
38	" "	26 50
40	" "	30 00
42	" "	35 00
44	" "	40 00
46	" "	44 00
48	" "	49 00
50	" "	57 00

STAR BLACKSMITHS' BELLOWS.

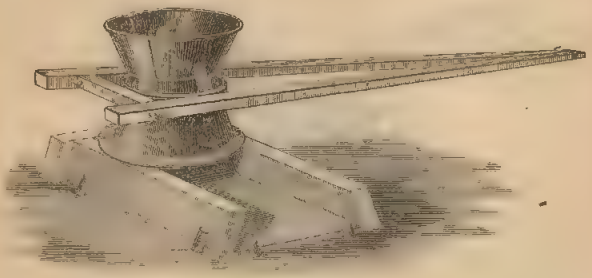
30	inch, extra long,	$17 00
32	" "	18 50
34	" "	19 75
36	" "	21 00
38	" "	24 00
40	" "	27 00

ANVILS.



Wrought Iron, Steel Face and Point, - - - - per pound, 15 cents

LITTLE GIANT CORN CRUSHERS.



PRICES, COMPLETE, WITH BOX, HOPPER, AND SWEEP.

No. 1,	2 Cone,	1 horse,	5 to 8 bushels per hour,	$35 00
" 2,	2 "	light 2 horse,	7 to 10 " "	50 00
" 2,	3 "	2 horse,	8 to 12 " "	55 00
" 3,	3 "	3 "	12 to 20 " "	70 00

We give also cuts of the various parts, which can be replaced, at small cost, when worn out by long usage.

PRICES OF REPAIRS.

	No. 1 Single.	No. 2 Single.	No. 2 Double.	No. 3 Double.
Driver,	$5 50	$7 00	$6 50	$7 50
Outside Cone,	9 00	12 50	11 50	13 00
Middle "			10 00	11 50
Inside "	9 50	11 00	7 50	7 50
Bridge Tree,		1 50	2 00	4 00
Hopper,	2 00	2 00	2 00	2 00

LITTLE GIANT CORN CRUSHERS.

OUR LITTLE GIANT CORN CRUSHERS *are well known and standard articles.* One of them will save more corn than many times its value of land will raise. Two bushels of ground corn will go as far as three unground, so that a few hours' time spent in grinding in winter, will save the days spent in summer in raising an acre of corn.

We manufacture both the single and double—two and three coned—the one having TWO grinding surfaces, the other THREE, the latter of course being preferable.

DIRECTIONS FOR SETTING UP AND USING THE LITTLE GIANT MILLS.

Select the place you intend the Mill to be placed, and fasten the box to the ground by means of stakes driven around it in the ground (or, if on a floor, spike pieces around the bevel sides of the box), then screw the Mill firmly on the box, by means of the three wood screws that are tied on the top of the Mill. Place the hopper on the top of the driver, and fasten by means of the sheet-iron ears at the sides, then open the lever or sweep and place it on its place on the driver. Your Mill is now in position for operating after it is properly *set*. This is performed on the No. 1 single by means of the *nut* on the top of the Mill, which raises or lowers the cone, so as to grind fine or coarse. The No. 2 single is regulated in the same manner as No. 1 at the top, but also has three bolts at the bottom that assist in holding the weight of the cone, so that when the top nut is turned up or down the bottom ones should be screwed the same. The No. 2 double and No. 3 double have a nut on the top that regulates the middle cone, and two nuts at the side that raise or lower the bridge tree, two which regulate the inside cone. To set these properly, bring up the middle cone, by means of the top nut, until it comes against the collar on the inside, then bring up the inside cone, by means of the outside nuts, until it is the same distance from the middle cone that the middle cone is from the outside cone. This is readily seen by looking down through the Mill.

N. B.—The corn meal will be coarser during the first few rounds than after it gets fairly to work; therefore throw this back and grind over, instead of setting the Mill any closer. Always run your Mill until empty, as, if left choked up with cobs and corn in cold weather, it will freeze solid and cause your Mill to break, or get mouldy and pasty in damp weather.

HAY FORK PULLEYS.

6 inch, Solid Eye,	per dozen,	$4 50
6 " Swivel Eye,	"	4 75

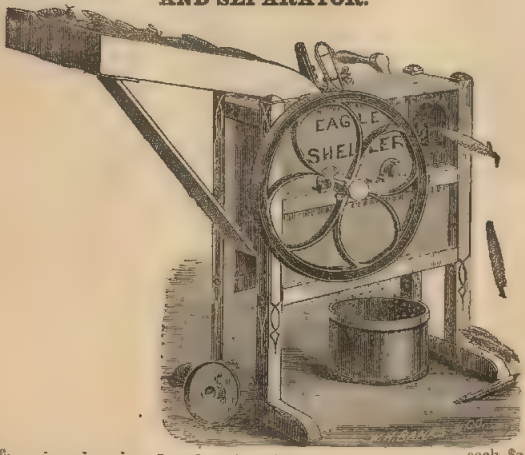
PACKED FIVE DOZEN IN A BARREL.

THE EAGLE HAND CORN SHELLER
AND SEPARATOR.

Has wrought shafts and babbetted boxes. The frame is well made, bolted together and nicely finished. It shells clean, separates the cob from the corn and does not choke. Every sheller is warranted to shell any kind of corn from pop corn to ears three inches in diameter.

Price, each, $12 00

EAGLE TWO-HOLE SHELLER
AND SEPARATOR.

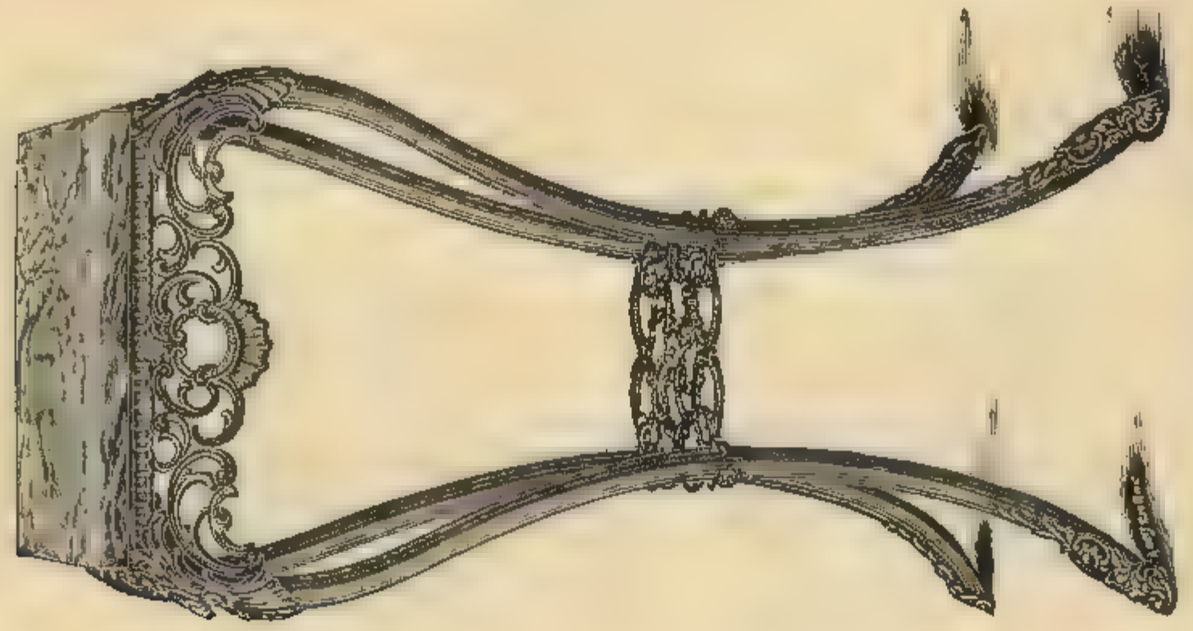


Price, - - - - - - - - - - - - - - each $24 00

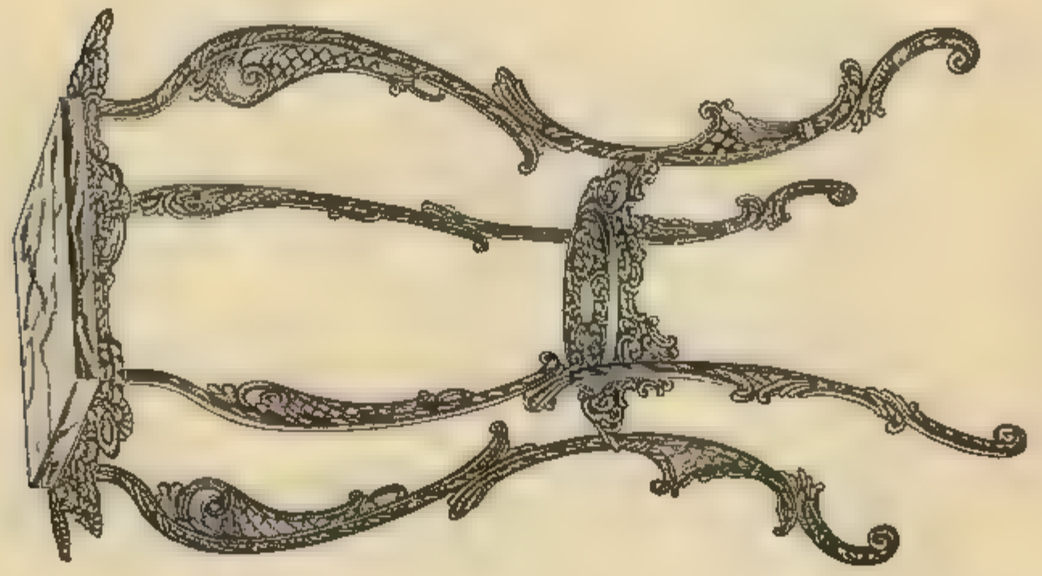
Is run by hand or power: it separates the corn from the cob, and takes out all the chaff and dirt, and is desirable for small warehouses or grist mills where parties do not want to run a large power sheller Capacity, 30 to 50 bushels per hour.

ONYX TOP TABLES.

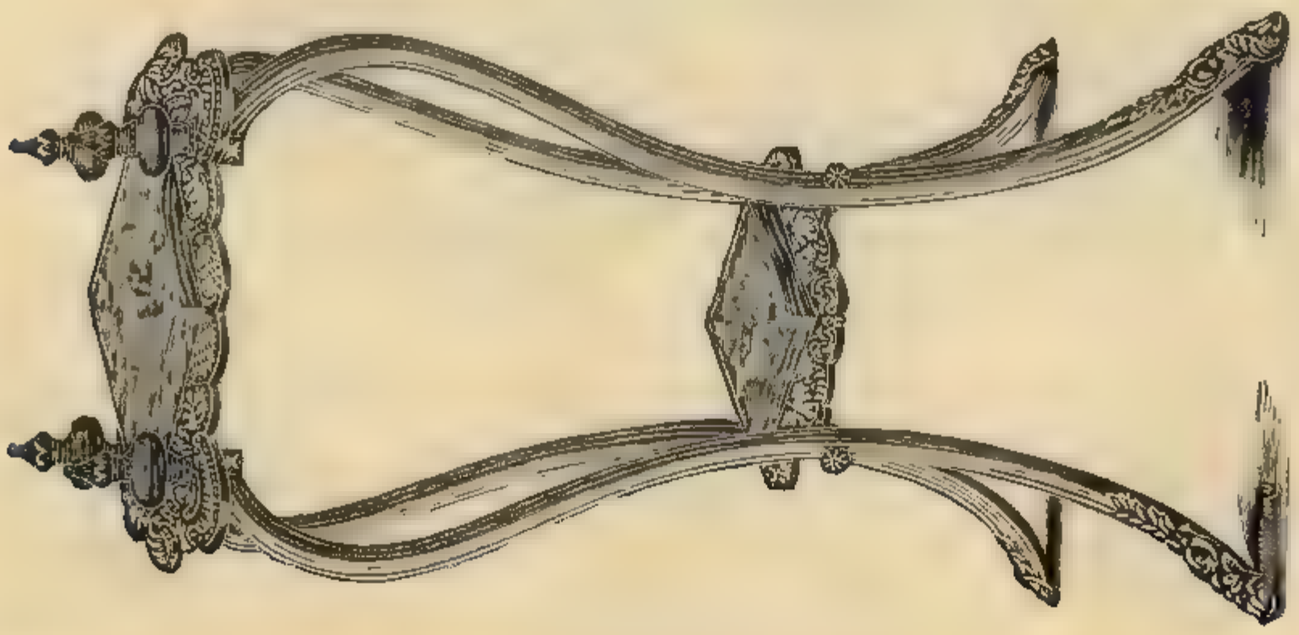
PRICES EACH.



No. 1052.
Brass Legs and Castings,
Fine Mexican Onyx Top.
Size 12 x 12 inches, Gilt Finish. $36 00



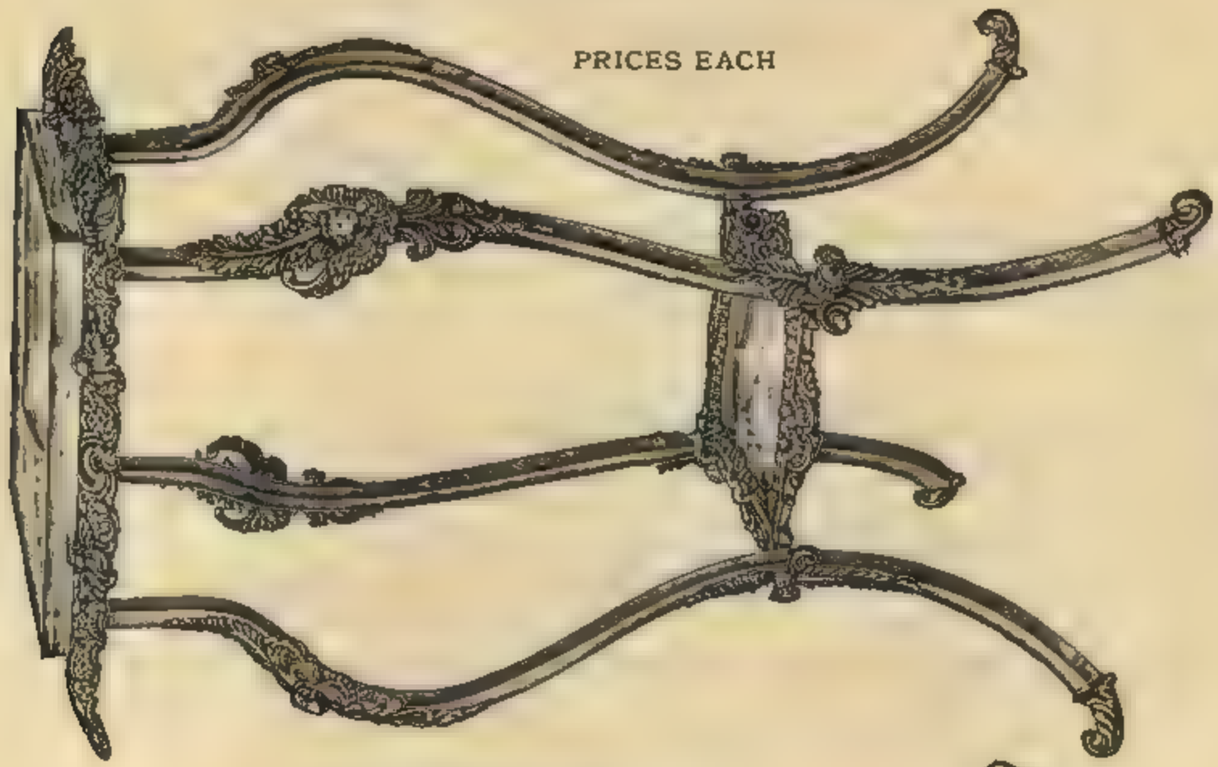
No. 1577.
Fine Onyx Top,
Size 10 x 10 inches, Gilt Finish $30 00



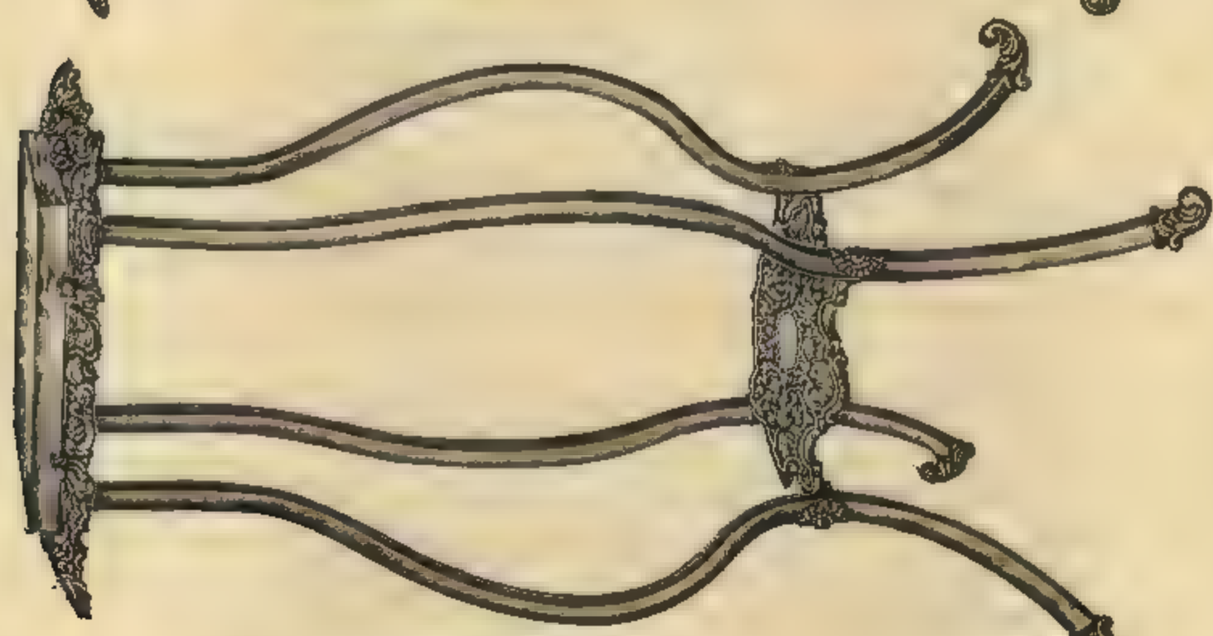
No. 1049.
Brass Legs and Castings,
Fine quality of Onyx in Slabs and Knobs,
Top Onyx 8 x 8 inches, Center Onyx 5 x 5 inches,
Gilt Finish, $33 00

ONYX TOP TABLES.

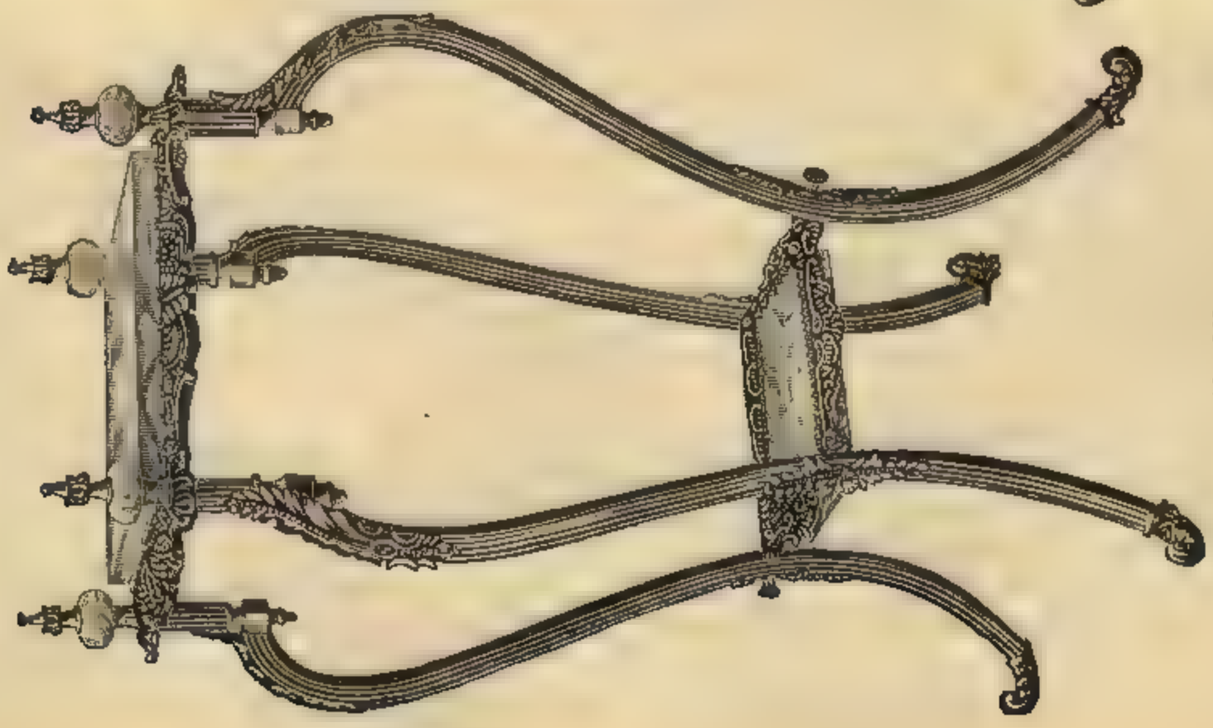
PRICES EACH



No. 050.
Brass Legs and Castings,
Fine Onyx Top and Center, Gold Finish, $40 00



No. 070.
Brass Legs and Castings,
Fine Onyx Top, Gold Finish, $20 00

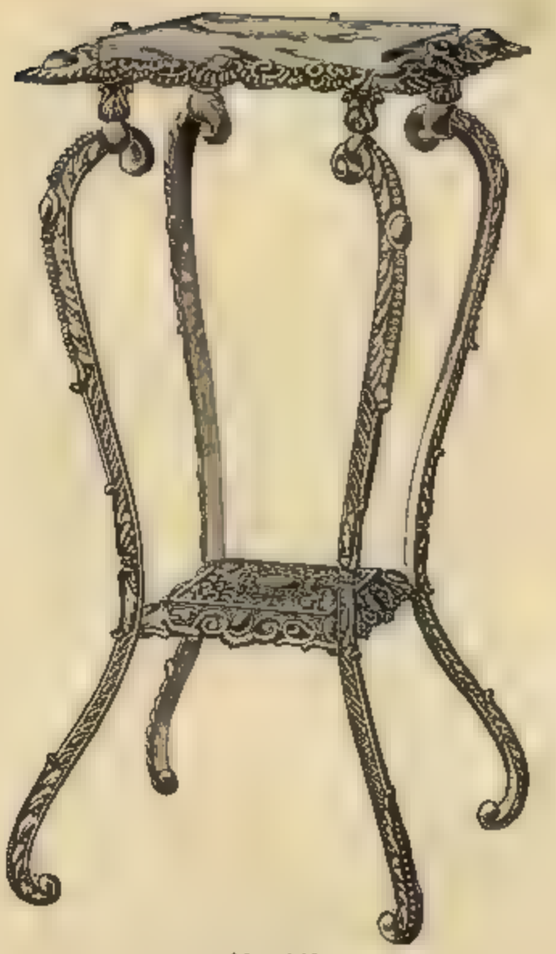


No. 060.
Brass Legs and Castings,
Fine Onyx Top Center and Knobs, Gold Finish. $30 00

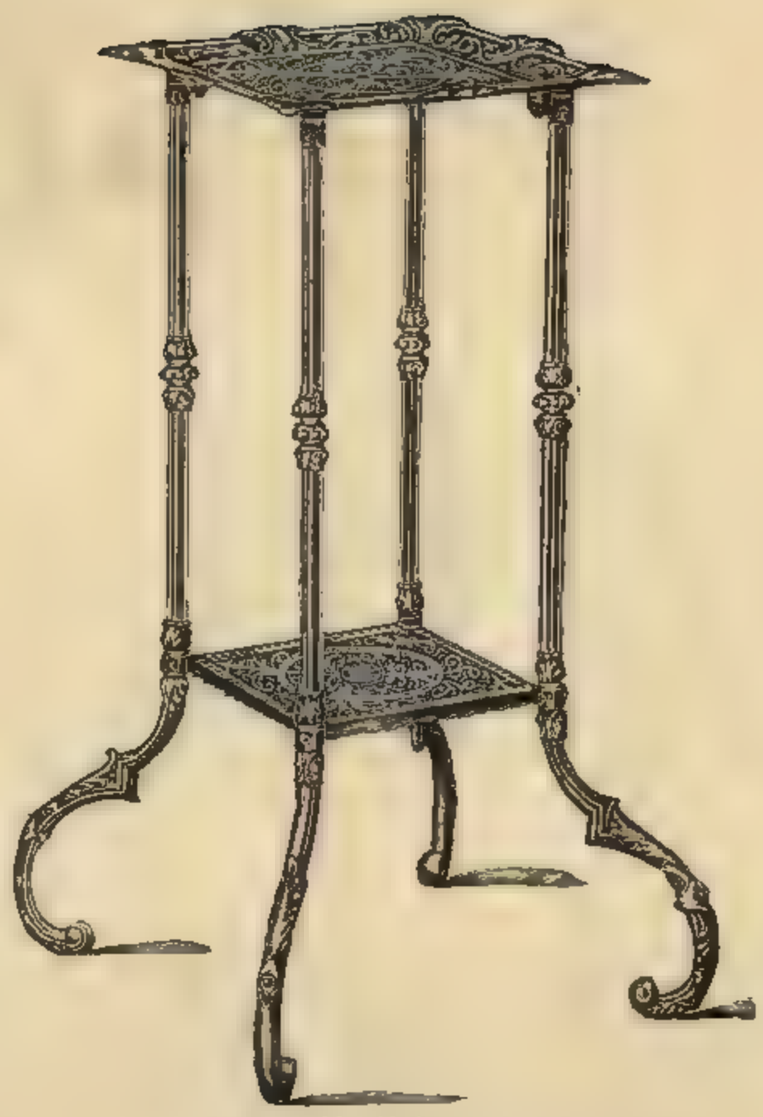
TABLES.

PRICES EACH.

No. 1043.
Mexican Onyx Top, Size of Onyx, 10 x 10 inches,
Gilt Finish. $15 00



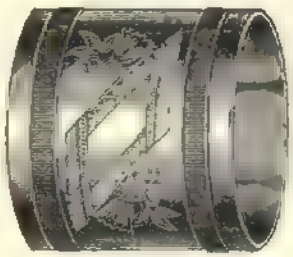
No. 1384.
Fine Onyx Top,
Size 10 x 10 inches, Gilt Finish $30 00



No. 1046.
All Cast Table, Top 10 inches square.
Silver Finish. $12 00 Gilt Finish. $13 00

QUADRUPLE SILVER PLATE THAT WEARS.

NAPKIN RINGS.

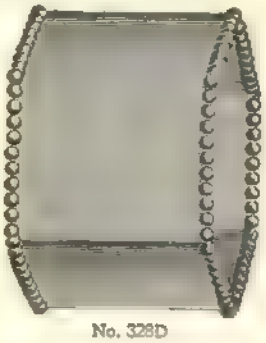


No. 377D.

No. 375D.

No. 362D.

No. 377D–Chased, - - - - - - - - - - - - - per dozen $2.80
No. 375D–Chased, - - - - - - - - - - - - - " 4.60
No. 362D–Chased, - - - - - - - - - - - - - " 4.80



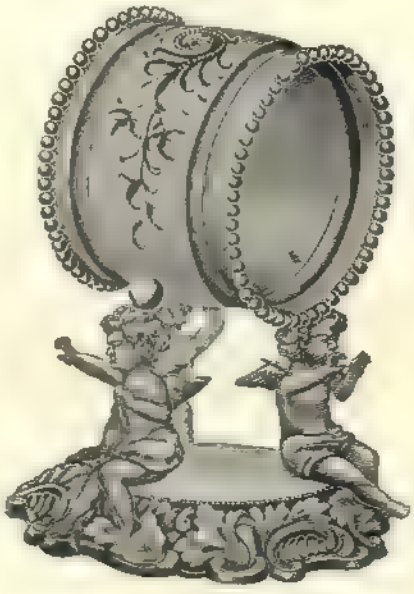
No. 328D

No. 349D.

No. 347D.

No. 328D–Fluted, bright silver, - - - - - - - - - - - - per dozen $12 50
No. 349D–Satin, bright cut, - - - - - - - - - - - - - " 9.00
No. 347D–Satin, bright cut, - - - - - - - - - - - - - " 9 00

No. 370D



No. 315D.

No. 395D

No. 370D–Satin, bright cut, - - - - - - - - - - - - per dozen $18.00
No. 315D–Satin, bright cut, - - - - - - - - - - - - " 24 00
No. 395D–Satin, pierced, - - - - - - - - - - - - - " 14.50

QUADRUPLE SILVER PLATE THAT WEARS.

NAPKIN RINGS.

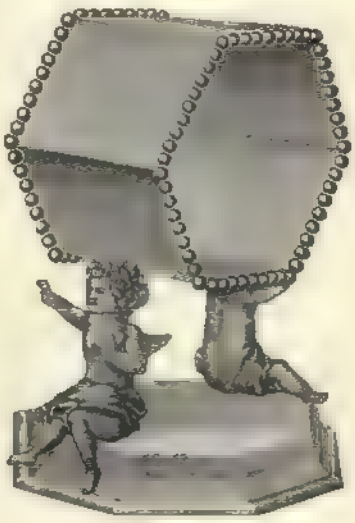
No. 351D.

No. 350D.

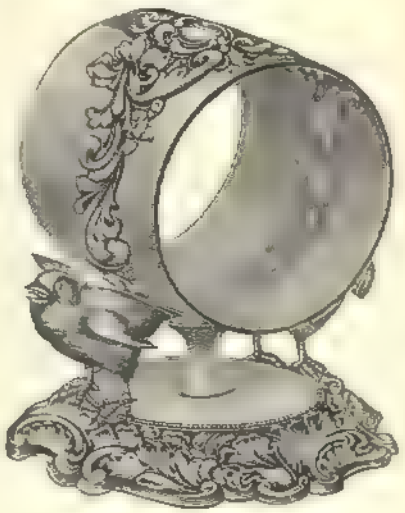
No. 385D.

No. 351D–Satin, bright cut, - - - - - - - - - - - - per dozen $ 9.00
No. 350D–Satin, bright cut, - - - - - - - - - - - - " 9.00
No. 385D Embossed, bright silver, gold lined, - - - - - - " 11 50

No. 303D.

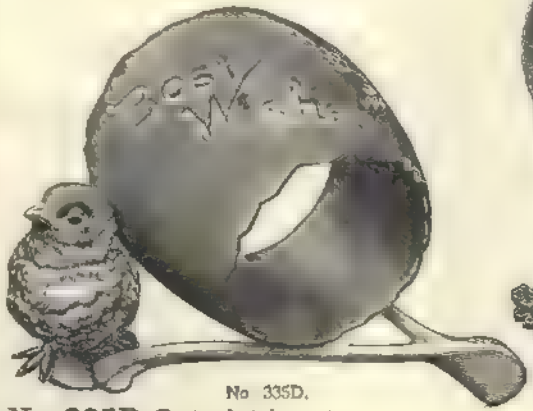


No. 306D.



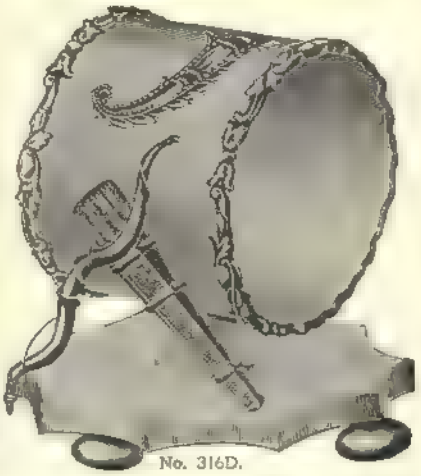
No. 312D.

No. 303D Chased, bright silver, - - - - - - - - - - - - per dozen $17 00
No. 306D–Fluted, bright silver, - - - - - - - - - - - - " 19.50
No. 312D Embossed, bright silver, - - - - - - - - - - - - " 21.00



No 335D.

No. 313D.



No. 316D.

No. 335D–Satin, bright cut, - - - - - - - - - - - - per dozen $18.00
No. 313D–Satin, bright cut, - - - - - - - - - - - - " 16.50
No. 316D–Satin, bright cut, - - - - - - - - - - - - " 24.00

QUADRUPLE SILVER PLATE THAT WEARS.

NAPKIN RINGS.

No. 331D.

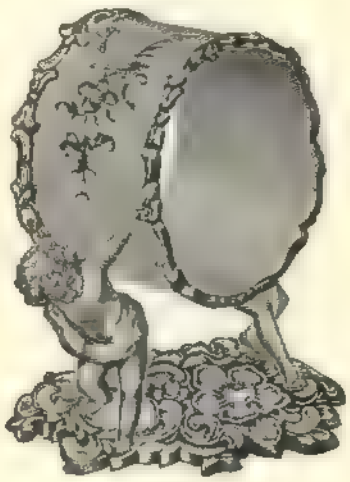
No. 318D

No. 320D

No. 332D

No. 331D Plain, ... per dozen $10.50
No. 318D–Satin, bright cut, ... " 7.50
No. 320D–Satin, bright cut, ... " 7.50
No. 332D–Plain, ... " 8.50

No. 304D.


No. 317D.

No. 314D.

No. 304D–Chased, bright silver, ... per dozen $12.00
No. 317D–Satin, bright cut, ... " 18.50
No. 314D–Satin, bright cut, ... " 20.00

BON BON BASKETS.

No. 1102V

No. 1176D

No. 03V

No. 1102V–Bright silver, gold lined, ... each $1 70
No. 1176D–Bright silver, fluted, gold lined, ... " 5 20
No. 1103V–Bright silver, gold lined, ... 1.80

"Reliable" Steel Measuring Tapes.

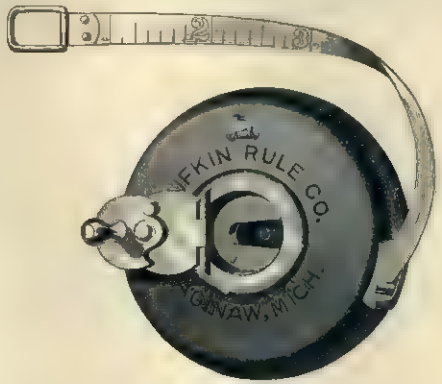


Fig. A-2150.

With double folding flush handle, opened by pressing small pin or button on opposite side. Hard leather cases. Nickel plated trimmings. Measurements guaranteed perfectly accurate. With ½ inch tapes.

Marked Feet and 12ths (Inches and 8ths).	Length.	Diameter of Case.	Each.
No. 200	25 Feet.	2½ In.	$ 4 50
No. 203	50 Feet.	3 In.	7 20
No. 205	75 Feet.	3½ In.	10 40
No. 206	100 Feet.	4 In.	12 80

One in a box.

"Rival" Steel Measuring Tapes.

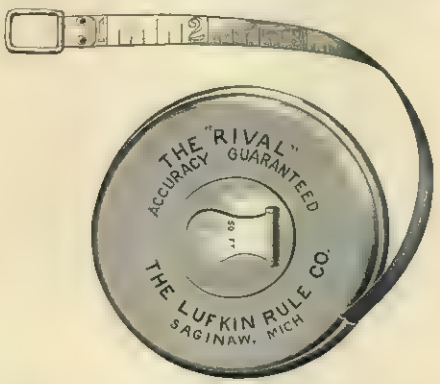


Fig. A-2151.

Nickel Plated Brass Cases, Flush Handle, ½ Inch Tapes, marked one side only, in Feet, Inches, and Eighths.

Number.	Length.	Diameter of Case.	Each.
240	25 Ft.	2¾ In.	$3 25
243	50 Ft.	3¼ In.	4 00
245	75 Ft.	3¾ In.	5 25
246	100 Ft.	4¼ In.	6 75

One in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Chesterman's" Tape Lines.

Fig. A–2152.
FLUSH HANDLE.
Nos. 34FH and 38L.

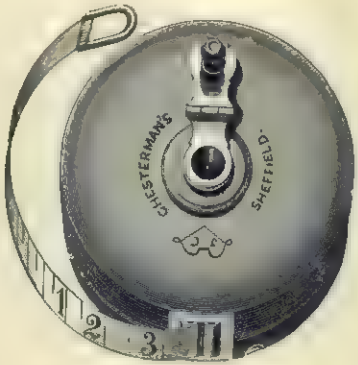


Fig. A–2153.
FOLDING HANDLE
Nos. 33L and 34L.

	Description.	Length, Feet	25	33	50	75	100
No. **33L.**	Linen Tape, Folding Handle	Each,	$1 40	. . .	$2 10	$ 2 60	$ 3 20
No. **34L.**	Metallic Wire Woven, Folding Handle	"	1 80	$2 10	2 60	3 30	4 20
No. **34FH.**	Metallic Wire Woven, Flush Handle	"	2 00	2 30	2 80	3 60	4 60
No. **38L.**	Steel Tape, Flush Handle	"	4 30	5 20	7 20	10 40	12 80

Nos. 33L, 34L and 34FH, one-quarter dozen in a box; No. 38L, one-half dozen in a box.

Pocket Steel Tapes.

German Silver Cases, Spring Wind, with Stop.

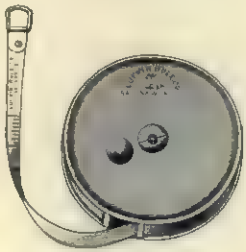


Fig. A–2154
Full Size Cut of No. 153

Marked One Side. U. S. Standard. Graduated in 1-16ths.

No. **153.**	36 Inches, ¼-inch Tape	. Per dozen,	$14 00
No. **156.**	72 Inches, ¼-inch Tape	. "	20 00

One-half dozen in a box.

American Tape Lines.

Asses' Skin, Brass Bound Case.

With Folding Handles

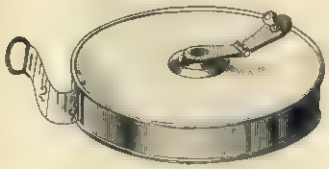


Fig. A-2155

No.	2040	2043	2045	2047
Feet,	25	50	75	100
Cotton, Per dozen,	$3 75	5 00	7 00	9 00

Patent Leather Case.

With Folding Handles.

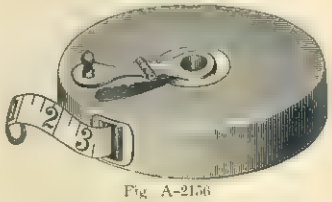


Fig. A-2156

No.	2020	2026	2028	2030
Feet,	25	50	75	100
Cotton, per dozen,	$3 75	5 00	7 00	9 00

One-half dozen in a box.

Pocket Spring Measuring Tapes.

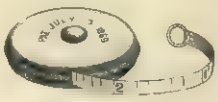


Fig. A-2157.

Fig. A-2158

No. **24.**	3 Feet, Linen Tape, Silver Plated Case	Per dozen, **$3 25**
No. **25.**	5 Feet, Linen Tape, Silver Plated Case	" **5 50**
No. **26.**	3 Feet, Linen Tape, Plastic Case	" **5 25**
No. **27.**	5 Feet, Linen Tape, Plastic Case	" **5 50**

One half dozen in a box

Green River Tire-Measuring Wheel Graduated.

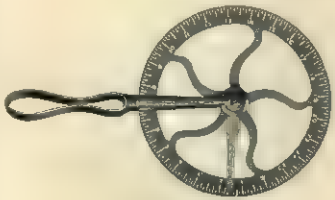


Fig. A-2159.

The Graduated Tire Wheel, a drop forging, is made so that the figures and lines are raised above the surface of the wheel and can not be filled or defaced with rust or dirt. It is a perfect running wheel, turned carefully in a lathe, exactly 24 inches in circumference, and accurately graduated.

The index hand saves trouble of marking with chalk, and the whole, made of metal, is light, accurately fitted, handy and strong.

Price . . . . . Each, **$1 50**

One-sixth dozen in a box.

Tracing or Copying Wheels.

Fig. A-2160.
Single.

Single . . . . Per dozen, **$1 25**

Fig. A-2160½.
Double.

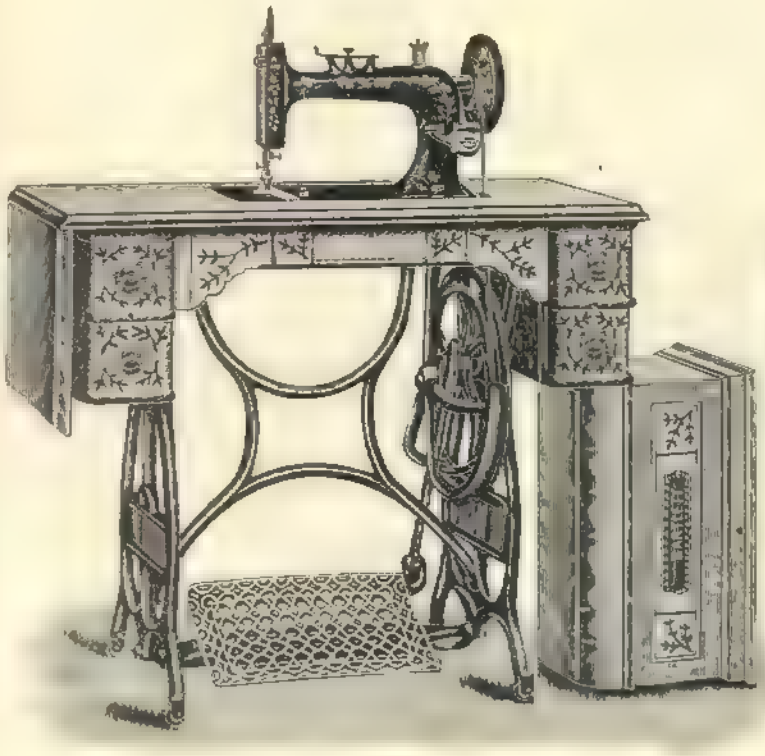
Double . . . . . Per dozen, **$2 50**

One dozen in box.

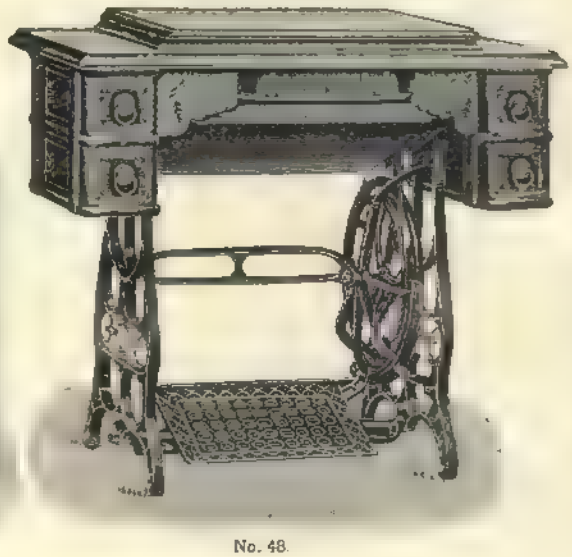
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

SEWING MACHINES.

THE BARTLETT.



No. 4B



No. 48

Fixed Head, with Box.

No. 3B–Oak cabinet work, 2 side drawers and 1 middle drawer,	each	$31 00
No. 4B–Oak cabinet work, 4 side drawers and 1 middle drawer,		32 00
No. 5B–Oak cabinet work, 6 side drawers and 1 middle drawer,		33 00
Needles, for Bartlett sewing machines, assorted,	per dozen	50

WEIGHT CRATED 112 LBS., COMPLETE WITH TOOLS AND ATTACHMENTS

Drop Head.

No. 38–Oak cabinet work, 2 side drawers and 1 middle drawer,	each	$33.00
No. 48–Oak cabinet work, 4 side drawers and 1 middle drawer,	"	34.00
No. 58–Oak cabinet work, 6 side drawers and 1 middle drawer,	"	35 00

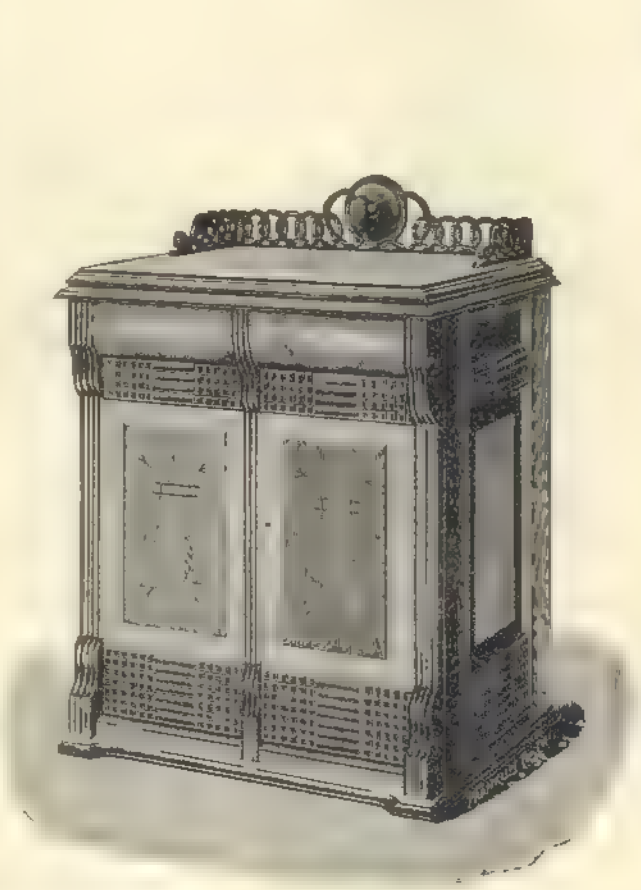
The Bartlett is the very best value for the money ever offered. It is a high arm, high grade family machine, very fine y finished and beautifully ornamented and can be depended on to do equally well light and heavy work. In construction it is very small and simple, there being but few works in the arm, thus it is very easy to keep clean and oiled. A better machine cannot be made.

Dimensions: Length of arm over all 14 ½ in., length of arm inside 8½ in., height of arm inside 5½ in., length of bed 14¾ in.

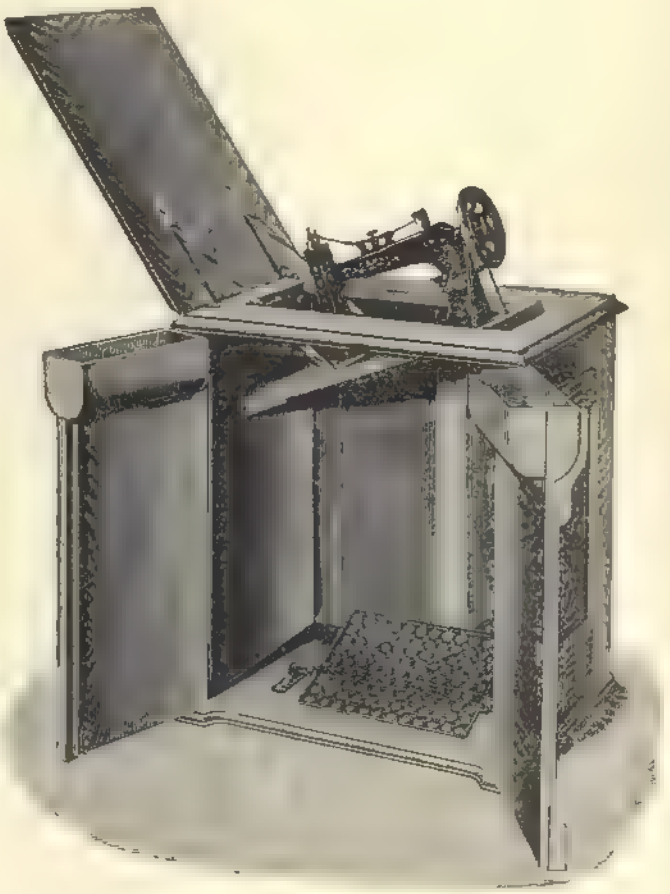
WEIGHT CRATED 112 LBS., COMPLETE WITH TOOLS AND ATTACHMENTS.

SEWING MACHINES.

THE BARTLETT.



Closed.



Open.

Desk Pattern, Drop Head.

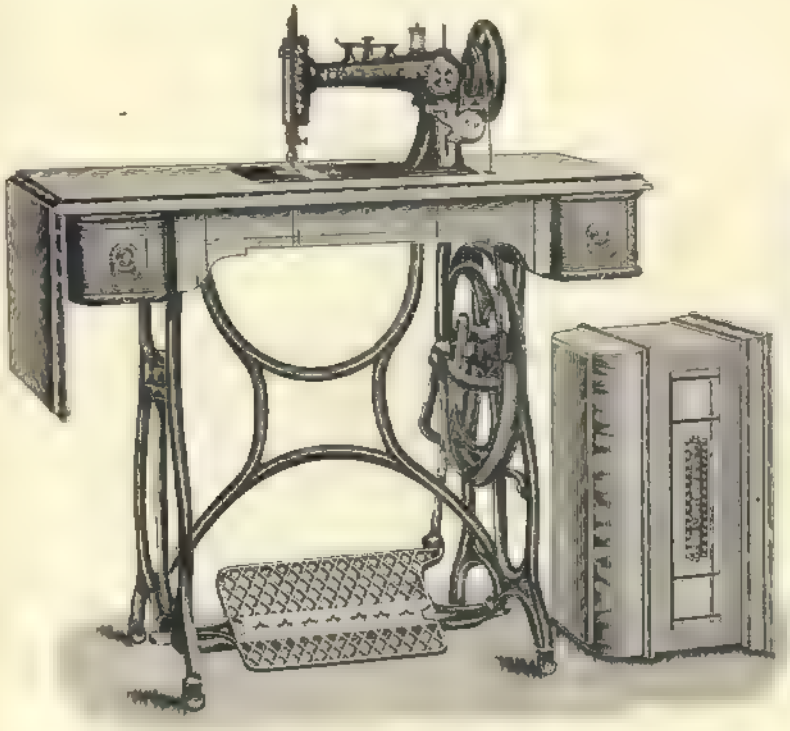
No. 54–Oak cabinet, complete with tools and attachments, - - - - - - - - - each $40.00

The Bartlett is the very best value for the money ever offered. It is a high arm, high grade, family machine very nicely finished and beautifully ornamented, can be depended on to do, equally well light and heavy work. In construction it is very strong and simple, there being but few working parts in the stand. Thus it is very easy to keep clean and oiled. A better sewing machine cannot be made.

Dimensions. Length of arm over all 14½ in., length of arm inside 8½ in., height of arm inside 5 in., length of bed 18 in., weight crated 112 lbs.

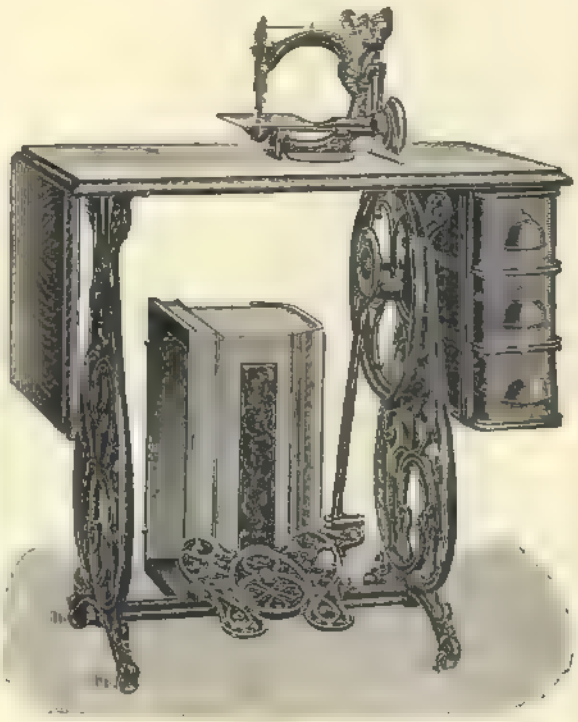
SEWING MACHINES.

THE CONOVER.



No. 3C.

THE AUTOMATIC.



No. 2A.

The Conover.

No. 3C–Oak cabinet work, 2 side drawers and 1 middle drawer, - - - - - - - - each $29.00
No. 4C–Oak cabinet work, 4 side drawers and 1 middle drawer, - - - - - - - - " 30 00
No. 5C Oak cabinet work, 6 side drawers and 1 middle drawer, - - - - - - - - " 31.00
Needles, for Conover sewing machines, assorted, - - - - - - - - - - per dozen .50

In construction the Conover combines the very best points and advantages of the Singer patents with all the modern improvements that have been brought out to date making it a desirable article where a practical and efficient sewing machine is desired for ordinary family sewing. It is not quite so large or heavy as the Bartlett

Dimensions: Length of arm all over 12½ in., length of arm inside 6¾ in., height of arm inside 5 in. length of bed 13⅛ in.

WEIGHT CRATED 102 LBS., COMPLETE WITH TOOLS AND ATTACHMENTS

The Automatic.

No. 2A–Oak cabinet work, 2 side drawers, - - - - - - - - - - - - each $50.00
No. 3A Oak cabinet work, 3 side drawers, - - - - - - - - - - - - " 51.00
Needles, for Automatic sewing machines, assorted, - - - - - - - - - per dozen .50

The Automatic is patterned after the Wilcox and Gibbs machine, so well known to every one. Makes what is known as the single thread or elastic chain stitch, and is positively automatic in every sense of the word. Requires no change of tension, no threading or shuttle, winding of bobbin, or other such cares on the part of the operator. The tension is regulated by the size of the thread alone, and the machine will handle silk as well as cotton.

WEIGHT CRATED 100 LBS., COMPLETE WITH TOOLS AND ATTACHMENTS

Enterprise Coffee, Spice and Drug Mills

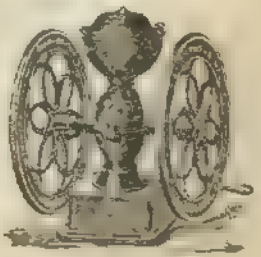
No. 3.

No. 5.

No. 3— Iron Hopper holds 8 oz. of Coffee, grinds 8 oz. of Coffee per minute. Height 15 in. Weight 22½ lbs. Each $

" 5— Iron Hopper holds 12 oz. of Coffee, grinds 12 oz. of Coffee per minute. Height 18 in. Weight 36 lbs. "

No. 7.

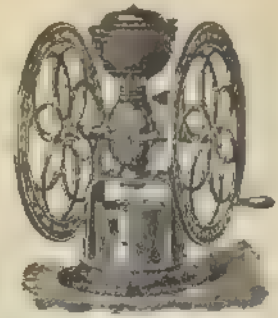


No. 9.

No. 7— Iron Hopper holds 1½ lbs. of Coffee, grinds 1 lb. of Coffee per minute. Height 20 in. Weight 42 lbs. Each $

" 9— Iron Hopper holds 3 lbs. of Coffee, grinds 2½ lbs. of Coffee per minute. Height 26 in. Weight 107 lbs. "

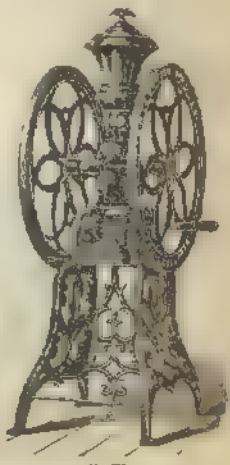
Enterprise Coffee, Spice and Drug Mills.



No. 17

No. 18—Iron Hopper, holds 5 lbs. of Coffee, grinds ½ lbs. of Coffee per minute, Height 2 ft. Weight 140 lbs. Each $

No. 8



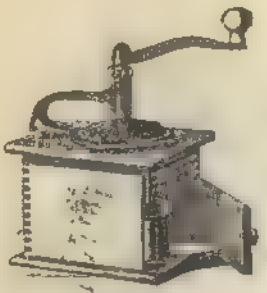
No. 21a

No. 18—Iron Hopper, holds 6½ lbs. of Coffee, grinds 1½ lbs. of Coffee per minute, Height 5 ft. 8 in., Weight 200 lbs. Each $

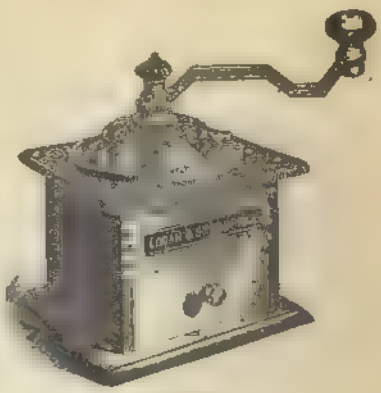
No. 215—Nickel Plated Hopper, holds 1½ lbs. of Coffee, grinds 1½ lbs. of Coffee per minute, Height 5 ft. 9½ in., Weight 307 lbs. Each $

Pulleys for Steam Power $6.00 extra.

Coffee Mills.



No. 41



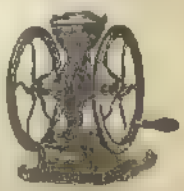
No. 40

No.	40—Waddell's Box Mills Covered Bronzed Iron Top	Per Dozen $
"	100 Box Mills Covered Bronzed Iron Top	"
"	101— " " " "	"
"	102— " " " "	"

Five Dozen in a Box

Pennsylvania Coffee, Spice and Drug Mills.

No. 1

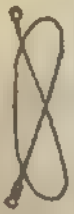


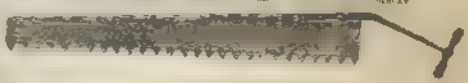
No. 2

No. 1	Iron Hopper holds 4 oz. of Coffee Grinds 6 oz. Coffee per minute Height 14 in.	Each $
" 2	" " 6 oz. " " 30 " " 14 in.	"

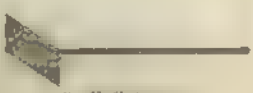
Six in a Box

Ice Tools.

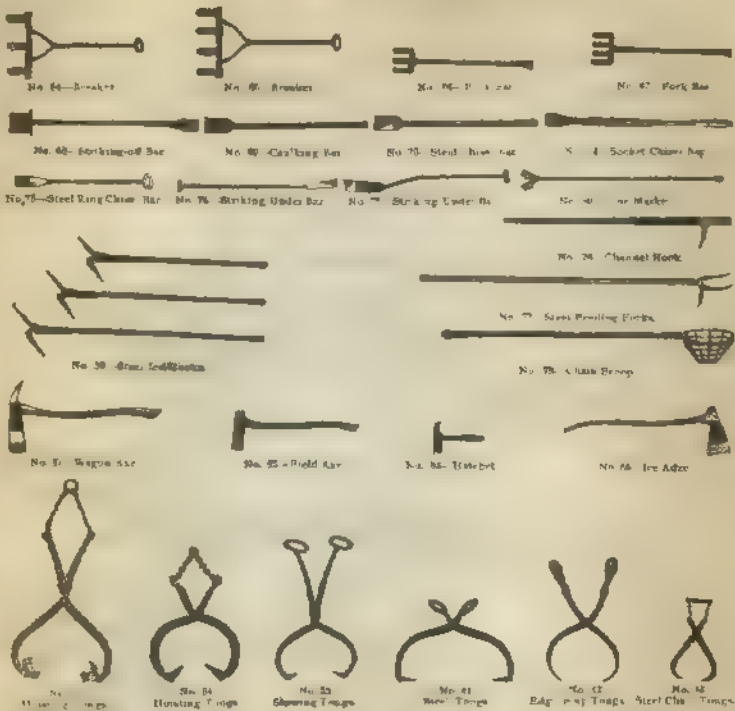




No. 80—Tube Handle Saw



Ice Tools.



See Page 807

Ice Tools.

No.		Each
1	—3 in Steel Markers, with Swing Guides,	
1½	—Swing Guides for Markers to 28 in.,	
1¾	" " " " 30 to 36 in.	
1¾	" " " " 38 to 44 in.	
2	[illegible] Teeth, without Guides,	
3	[illegible]	
4	[illegible]	
5	9 in " "	
6	10 in " "	
7	[illegible]	
8	[illegible]	
9	[illegible] with Swing Guide,	
10	[illegible]	
11	[illegible]	
12	[illegible]	
13	[illegible]	
14	12 in [illegible]	
15	[illegible]	
16	[illegible] Plow and Swing Guide	
17	—Hand Markers,	
18	Snow Planes,	
19	—Extra Knives,	
20	—4 ft Ice Saws, with T [illegible]	
21	[illegible]	
22	[illegible]	
23	[illegible]	
24	[illegible]	
25	[illegible] with Steel Handle	
26	[illegible]	
27	[illegible]	
28	[illegible]	
29	[illegible]	
29½	—Ice Saws, for sawing old ice out of house	
30	—Hand Ice Saws, for delivery wagon	
31	—[illegible]	
32	Hooking Tongs with Adjustable Jaws	
33	—[illegible] Extra Heavy Adjustable Jaws	
34	[illegible]	
35	Stowing or Drag Tongs 27 in Spread	

No.		Per Dozen
39	[illegible] in Spread Steel Tongs	
40	[illegible]	
41	[illegible]	

No.		Each
42	[illegible] Tongs	
43	[illegible] Tongs	
44	[illegible]	
45	[illegible]	
46	—Cake Grapplers, with Rope	
47	Double Ice Dog	
48	Single Ice Dog or Grapple	
49	[illegible] Grapple	

No.		Per Dozen
50	Steel Ice Hooks [illegible] Handle	
51	[illegible]	
52	[illegible]	
53	[illegible]	

No.		Per Dozen
54	Steel Ice Hooks [illegible] Handle	
55	[illegible]	
56	[illegible]	
57	[illegible]	
58	—4 and 4½ ft Handles	
59	—5 ft "	
60	—6 ft "	
61	Ice Hook Pikers	
62	[illegible]	
63	[illegible]	

No.		Per Pair
64	Brackets 3 Pronged	
65	[illegible]	
66	Fork Bars 4 Prongs	
67	[illegible]	
68	Striking oil Bars Steel Blade	
69	[illegible]	
70	[illegible]	

No.		Each
71	Extra Heavy	
72	—Socket Chisels Steel Blade	
73	Ring Chisel Bars	
74	Striking Chisel Bars Steel Blade	
75	[illegible]	
76	[illegible]	
77	[illegible] Hooks	
78	[illegible]	

No.		Per Pair
79	[illegible]	

No.		Each
80	[illegible]	
81	[illegible]	
82	[illegible]	
84	[illegible]	
85	[illegible]	
86	[illegible]	

Not [illegible] Patent [illegible] Tackle Blocks

No.		Each
87	—Single [illegible]	
88	[illegible]	
89	[illegible]	
90	[illegible]	
91	[illegible]	
[illegible]	[illegible]	
93	—[illegible] 7 in [illegible]	
94	—[illegible] 8 in [illegible]	
96	—Top Cut Wrought Iron Frame 12 in Sheave	
99	—Wharf Gin 12 in Sheave	
100	Hook Scrapers	
100½	Steel Shovels or Scoops	
109	—3 ft Snow Scrapers	
110	4 ft "	
111	—5 ft "	

No.		Per [illegible]
112	—New Pattern Patent River Iron	

[illegible] See Page 873

Wood Split Pulleys.

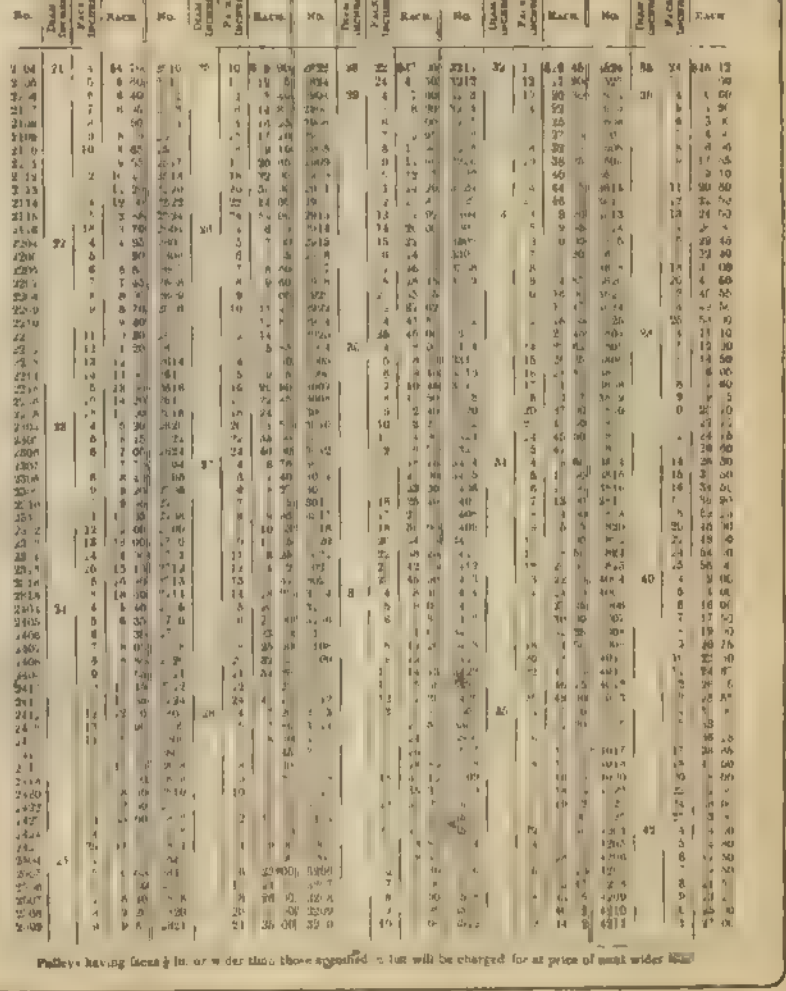
Cut of 8 to 18 In.

Cut of 18 to 30 In.

Cut of 30 to 48 In.

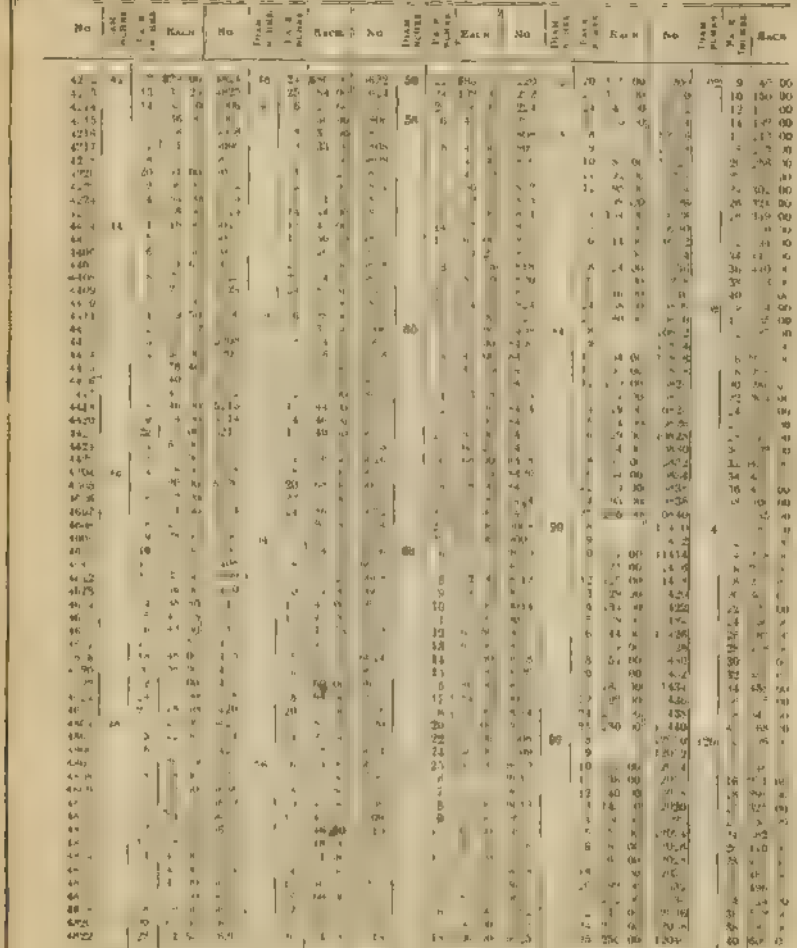
Pulleys having faces ½ in. or under than those specified in list, will be charged for at price of next larger size

Wood Split Pulleys.



Pulleys having faces ½ in. or wider than those specified in list will be charged for at price of next wider face.

Wood Split Pulleys.



Pulleys having faces [illegible] than those quoted [illegible] be charged [illegible] price of next wider face.

ANSONIA CLOCKS.

BURTON.

Oak. Eight-Day Strike. Dial, 6 inches; Height, 23 inches.
Price.....$5 00
Gongs, additional, 40c

DALTON.

Oak. Eight-Day Strike. Dial, 6 inches, Height, 25 inches.
Price.....$5 00
Alarms additional, 60c

BUFFALO.

Oak. Eight-Day Strike. Dial, 6 inches. Height, 22 inches.
Price.....$5 00
Gongs, additional, 40c.

CARLTON.

Oak. Eight-Day Strike. Dial, 6 inches; Height, 22½ inches.
Price.....$5 00
Alarms, additional, 60c.

ANSONIA CLOCKS.

BEDFORD.

Oak. Eight-Day, Strike. Dial, 6 inches; Height, 23 inches.
Price.... ....$5 00
Gongs, additional, 40c.

BELMONT.

Oak. Eight-Day, Strike. Dial, 6 inches, Height, 23 inches.
Price $5 00
Alarms, additional, 60c.

DAYTON.

Oak. Eight-Day, Strike. Dial, 6 inches, Height, 25 inches
Price $5 00
Gong, additional, 40c

DERBY.

Oak Eight-Day, Strike Dial, 6 inches, Height, 25 inches.
Price $5 00
Alarm, additional, 60c.

ANSONIA CLOCKS.

DELHI.
Black Walnut. Eight-Day Strike. Dial, 6 inches. Height, 25 inches..... $5 00

DRUID.
Black Walnut. Eight-Day Strike. Dial, 6 inches. Height, 24½ inches..... $5 00

Gongs, additional 40c.; Alarms, additional 60c.

BEAVER.
Black Walnut. Eight-Day Strike. Dial, 6 inches. Height, 23 inches..... $5 00

BERKELEY.
Black Walnut. Eight-Day strike. Dial, 6 inches. Height, 23 inches..... $5 00

Gongs, additional 40c.; Alarms, additional 60c.

JUMP TIME.
Nickel.
One-Day, Time.
Dial, 2 inches; Beveled Glass.
Illustration Three-Quarter Size.
Price, $1 50

SUNRISE.
Nickel.
One-Day, Time, Alarm.
Dial, 4 inches.
Illustration One-Half Size.
Price, $1 50

JUMP ALARM.
Nickel.
One-Day, Time, Alarm.
Dial, 2 inches; Beveled Glass.
Illustration Three-Quarter Size
Price, $2 80

GUIDE. One-Day, Repeating Strike. Movement has Two Springs and Open Nickel Back Plate..... $4 00
GUIDE. One-Day, Half-Hour Strike, Alarm. Movement has Three Springs..... 4 00
TOURIST. One Day, Time, Alarm..... 3 50
TOURIST. One-Day, Half Hour Strike Crescent Movement..... 3 50
Dial 2½ inches. Illustration One Half Size. Glass Sides. Gilt Front and Handle.

LEO. One-Day, Time, Alarm..... $2 50
LEO. One-Day, Time, Alarm, Calendar..... 2 75
Dial, 5 inches. Illustration One-Half Size.

DOOR BELLS.

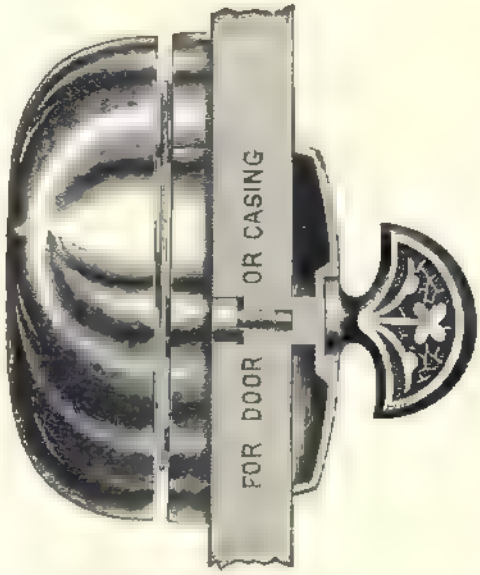
No. 200–4½ in. bronzed iron bell, with lever to match, ... per dozen $7.00

ONE IN A BOX, COMPLETE WITH SCREWS.

No. B164–4 in. electro bronzed bell, with lever to match, ... per dozen $14.00

ONE IN A BOX, COMPLETE WITH SCREWS

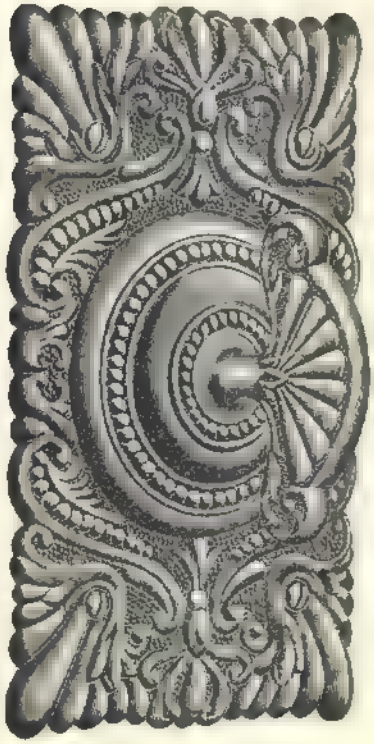
ROTARY DOOR BELLS.



Bell for Nos. 20, 21, 22 and 40.

Turn Knob for No. 20

Turn Knob for No. 22.



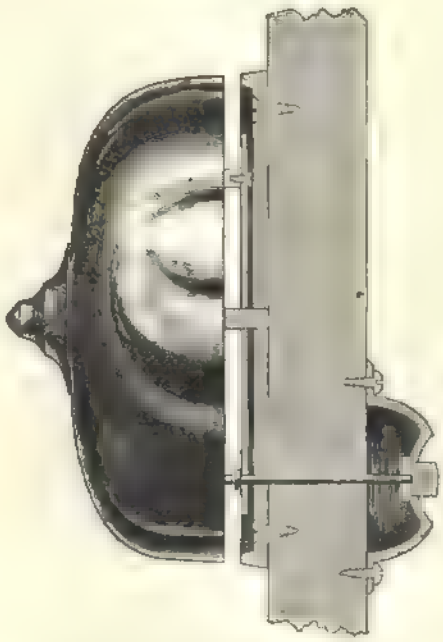
Turn Knob for Nos. 21 and 40

No. 20–3½	in., nickel plated bell, bronze metal turn knob, cast round plate, No. 3 finish,	per dozen	$20.00
No. 21	3½ in., nickel plated bell, bronze metal turn knob, stamped square plate, No. 3 finish,	"	20.00
No. 22	3½ in., nickel plated bell, old copper finish turn knob, stamped square plate,	"	20.00
No. 40	3 in., nickel plated bell, bronze metal turn knob, stamped square plate, No. 3 finish,	"	17.50

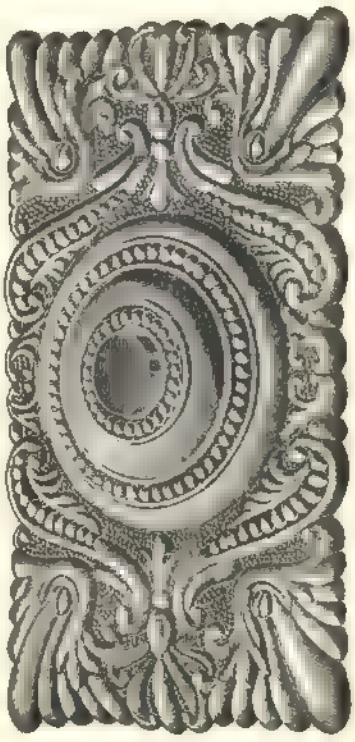
ONE IN A BOX, COMPLETE WITH SCREWS

DOOR BELLS.

Push for No. 30 Door Bell



Door Bell, Showing Manner of Attaching.



Push Button for No. 31 Door Bell

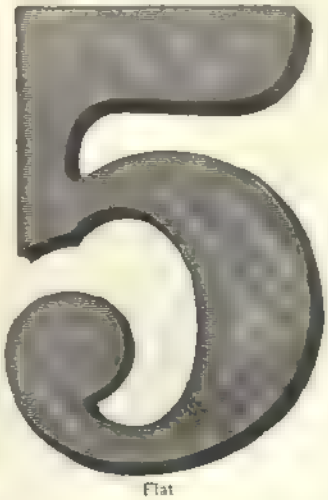
Electrical Sounding.

No. 30 3½ in. nickel plated bell, bronze metal push button, No. 3 finish, - - per dozen $21 00
No. 31 3½ in. nickel plated bell, bronze metal push button, old copper finish, - - - - 21 00

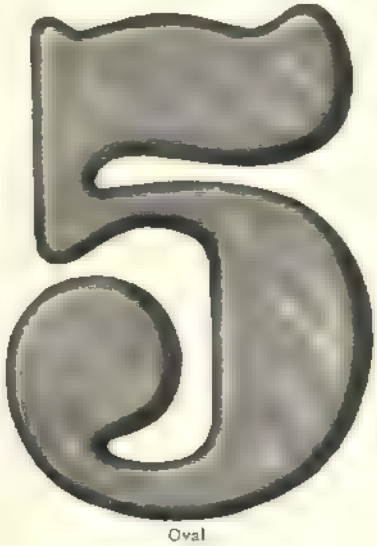
The feature of being able to place bell in center of inside casing and button case in center of outside casing and a great number of alarms for each winding, makes it especially desirable. Winds by turning the gong

ONE IN A BOX

HOUSE NUMBERS.



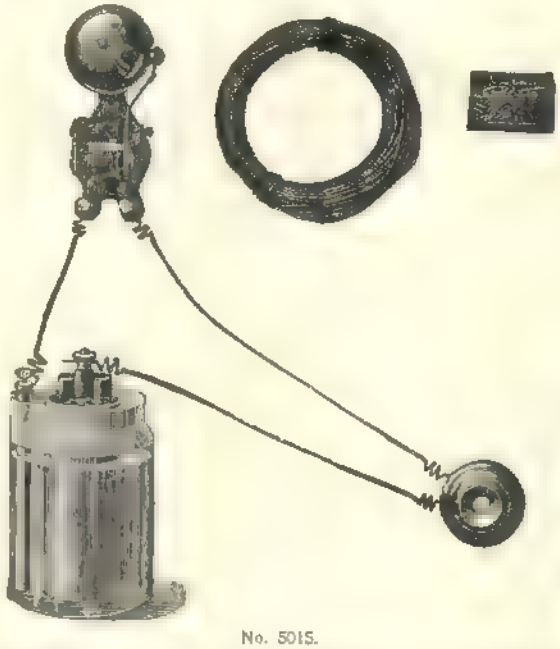
Flat



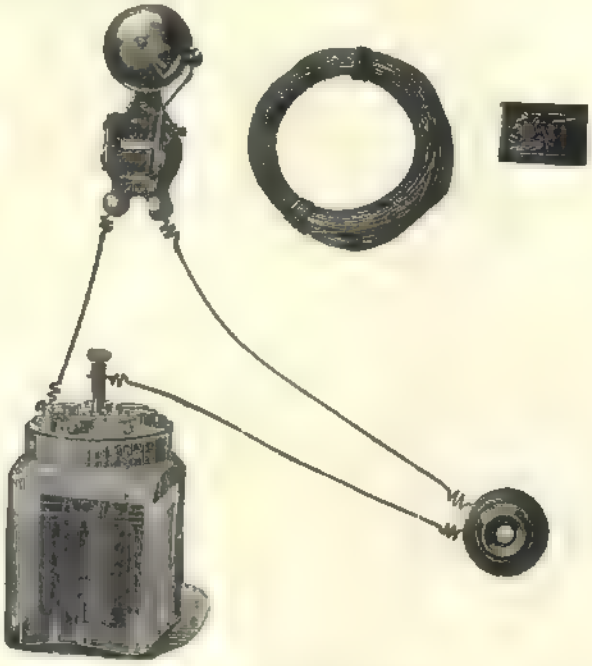
Oval

3 in., **Flat,** cast brass, nickel plated, with lugs to drive, - - - - - - - - each $0.08
3 in., **Oval,** cast brass, nickel plated, with lugs to drive, - - - - - - - - " .09

ELECTRIC BELL OUTFITS.



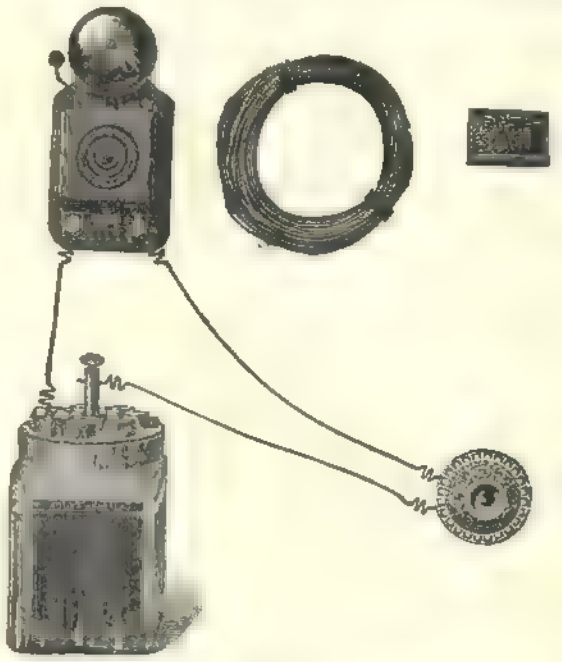
No. 5015.



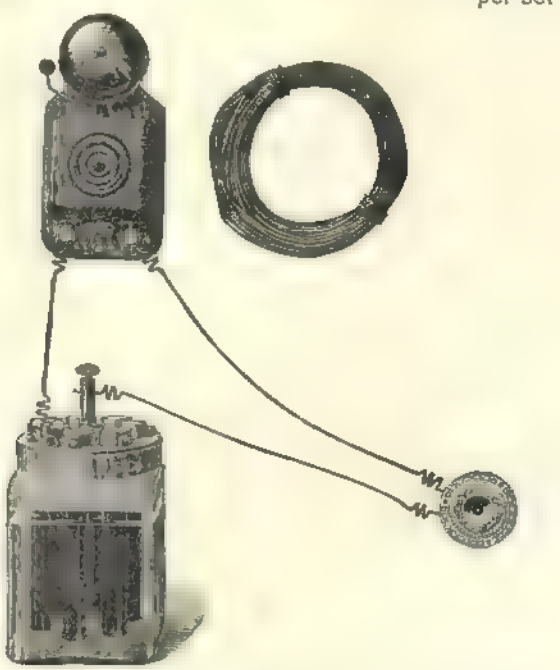
No. 5011

No. 5015 Comprises 1 No 673 disque battery, 1 No 620 2½ in. iron frame bell, 1 No 552 brass push, 75 ft. insulated wire, screws, tape, staples, - - - - - - - - - per set $3.20

No. 5011 Comprises 1 No 671 Diamond carbon battery, 1 No 620 3 in. iron frame bell, 1 No. 500 black walnut push, 100 ft insulated wire, screws, tape, staples, - - - - - - - per set 3 50



No. 5001.



No. 5023

No. 5001 Comprises 1 No 671 Diamond carbon battery, 1 No. 610 3 in. black walnut box bell, 1 No 510B bronze No. 3 finish push, 100 ft. insulated wire, screws, tape, etc., - - - - - - per set $4 20

No. 5002 Same as No 5001, with dining room floor push No 660, in place of No 510B, - - " 4.70

No. 5023 Comprises 1 No 671 Diamond carbon battery, 1 No. 610 2⅞ in. black walnut box bell, 1 No 540B bronze push, 100 ft. insulated wire, screws, tape, staples, - - - - - - - per set 4.00

Packed complete in a neat wood box, with directions for setting up, so that any intelligent carpenter can put them in. These outfits are very desirable for the hardware trade to carry in stock, as they are coming into general use, and are sold at the same time as the hardware for the house

Deep Case Combined Pressure and Vacuum Gauge.

Springs of Solid Drawn, Seamless Tube.

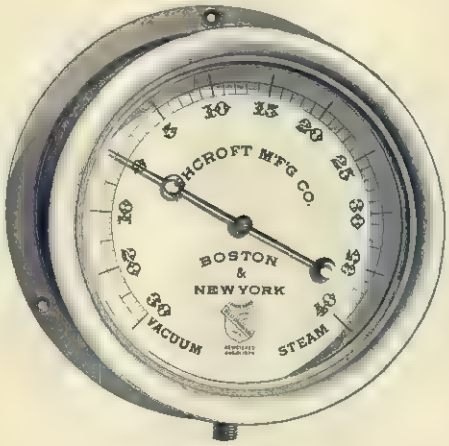


Fig. A-2973

A siphon must be used in connecting this gauge.

The adoption of compound engines has created a demand for a gauge showing both pressure and vacuum on the same dial. These gauges are graduated from two mercury columns, showing pressure and vacuum, and are warranted correct.

Pressure Range from 30 Inches to 60 Pounds of Pressure.

Brass Case, Including Cock.

Dial . . . . . Inches.	12	10	8½	6
Each	$85 00	54 00	43 50	28 00

Nickel plating and octagon ring extra.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Ammonia Gauge.

Fig. A–2970.

For Ammonia, Acid, or other Liquids, or Gases that must be kept from Brass.

The springs in these gauges are made of a special quality of steel, and are tempered by a process insuring uniformity, durability and correctness of indication.

In ordering, state whether a compound scale showing pressure and vacuum or pressure only is required.

Tube Springs made from Hobson's Choice Steel.
Iron Cases and Rings.

8½ Inch Dial	Each,	$45 00
6 Inch Dial	"	35 00
4½ Inch Dial	"	25 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hydraulic Gauge.

Fig. A-2971.

In these gauges a heavy steel tube bored from a solid bar is substituted for the seamless drawn tube for all pressures over 800 pounds to the square inch.

Steel Tubes for High Pressures.

Brass Case.

12	Inch Dial, 0 to 20,000 Lbs.	$125 00
10	Inch Dial, 0 to 20,000 Lbs.	100 00
8½	Inch Dial, 0 to 16,000 Lbs.	80 00
6¾	Inch Dial, 0 to 10,000 Lbs.	60 00
6¾	Inch Dial, 0 to 2 000 Lbs	60 00
6¾	Inch Dial, 0 to 1 000 Lbs.	60 00
6	Inch Dial, 0 to 6 000 Lbs	40 00
6	Inch Dial, 0 to 3,000 Lbs.	40 00

Iron Case.

12	Inch Dial, 0 to 20,000 Lbs.	$110 00
10	Inch Dial, 0 to 20,000 Lbs	90 00
8½	Inch Dial, 0 to 16,000 Lbs	70 00
6¾	Inch Dial, 0 to 10,000 Lbs.	50 00
6	Inch Dial, 0 to 6,000 Lbs.	35 00
6	Inch Dial, 0 to 3,000 Lbs	35 00
5	Inch Dial, 0 to 600 Lbs	12 00

No extra charge for marking tons on ram on dials. Octagon rings and nickel plating extra

Deep Case Steam or Vacuum Gauge.

Springs of Solid Drawn, Seamless Tube.

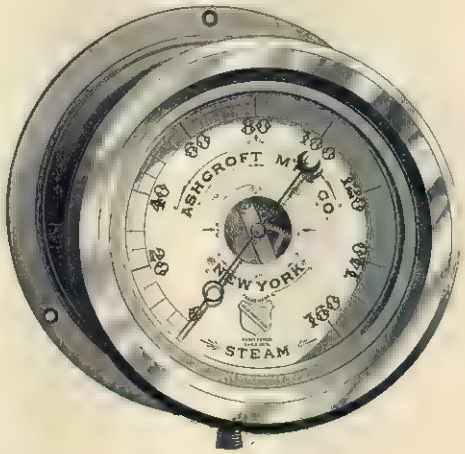


Fig. A-2972

These gauges have the same movements as those on page 826, and are mounted in cases to correspond with those of the revolution counters which require the depth of case.

When mounted, as shown on page 825, uniformity requires all cases to be of same depth.

Brass Case, Including Cock.

Dial, Inches,	12	10	8½	6¼
Each	$80 00	44 00	33 50	23 00

Nickel plating and octagon rings extra.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Coopers' Tools.

Cooper's Spokeshaves.

Fig. A–1832.

Improved or Cleveland Pattern . . . . . Per dozen, **$12 50**

Fig. A–1833.

Double Iron, Wood Handle . . . . . Per dozen, **$12 50**

"Barton's" Coopers' Shaves.

Stave Shaves.

Fig. A–1834.

7 Inches . . . . . Per dozen, **$12 50**

8 Inches . . . . . Per dozen, **$14 50**

Backing Shaves.

Fig A–1835.

7 Inches . . . . . Per dozen, **$12 50**

8 Inches . . . . . " **14 50**

Heading Shaves.

Fig. A–1836.

10 Inches . . . . . Per dozen, **$18 50**

12 Inches . . . . . " **22 50**

Hollowing Shaves.

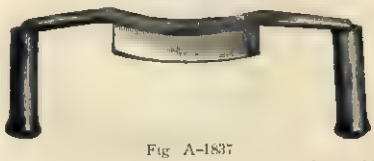


Fig A–1837

7 Inches . . . . . Per dozen, **$12 50**

8 Inches . . . . . " **14 50**

Hoop and Paring Shaves.

Fig. A–1838.

7 Inches . . . . . Per dozen, **$11 25**

8 Inches . . . . . " **13 25**

Fig. A–1839.

Coopers' Inshaves.

One Handle . . . . . Per dozen, **$11 50**

Two Handle . . . . . " **11 50**

Fig. A–1840.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Coopers' Tools.

Coopers' Champer Knives.

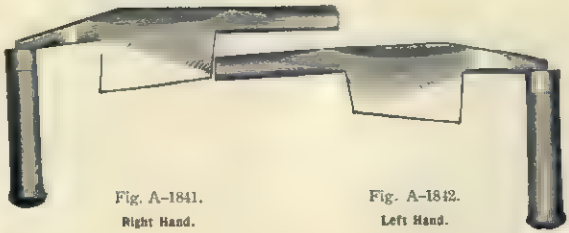


Fig. A-1841. Right Hand.

Fig. A-1842. Left Hand.

Blade, 4 Inch . . .	. . Per dozen, $15 00
Blade, 5 Inch . . .	. . " 18 50
Blade, 6 Inch . . .	. . " 22 50

Coopers' Jointers.

Fig. A 1844.

Double Irons, 4', Feet . . Each, $4 00

Coopers' Beekhorns.

Cast Steel Face.

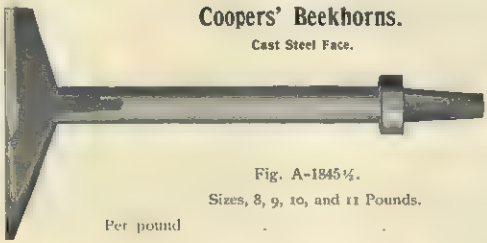


Fig. A-1845½.

Sizes, 8, 9, 10, and 11 Pounds.

Per pound . . $0 30

Coopers' Froes.

Fig. A-1847.

Inches.	10	12	14	16
Barton's, per dozen	$15 00	18 00	21 00	24 00
"Sunset," per dozen	13 50	14 00	14 50	15 00

Coopers' Flagging Irons.

Fig. A-1849.

Per dozen $7 50

Tight Barrel Howels.

"California."

Fig. A 1843.

Per dozen $17 50

Tight Barrel Crozes.

"California."

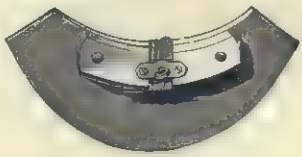


Fig. A-1845.

Per dozen $13 50

Coopers' Levelers.

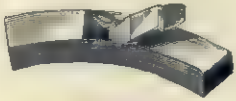


Fig. A-1846.

Per dozen $10 50

Coopers' Scrapers.

Fig. A-1848.

Per dozen . $6 00

Coopers' Vises.

Fig. A-1850.

Per dozen $5 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wilkinson's Folding Handle Draw-knife.

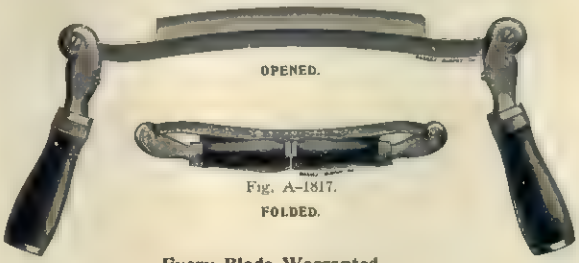


Fig. A-1817.

Every Blade Warranted.

8 Inch . . . . . Per dozen, **$24 00**

One-half dozen in a box.

WATROUS ADJUSTABLE HANDLE.

Carpenters' Drawing-knives.

Fig. A-1818.

	Inch,	8	10
Per dozen		**$12 00**	**15 00**

Scroll Knives.

Fig. A-1819.

Narrow, Beveled on Both Sides.

	Inch,	8	10
Per dozen		**$12 00**	**15 00**

One-half dozen in a box.

Swan's Folding and Adjustable Handle Draw-knives.

Fig. A-1820.

	Inch,	6	7	8
Per dozen		**$21 00**	**22 50**	**24 00**

One-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Goodell's" Spokeshave.

Fig. A 1821

The circular shape of this tool enables it to work in smaller circles than other Shaves.
The angle of the knife is such that it cuts instead of scraping the grain of the wood. Either handle can be removed to work in cramped places.
Price . . . . . Per dozen, **$9 00**
One half dozen in a box.

"Bailey's" Iron Spokeshaves.

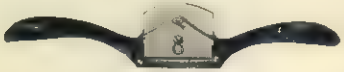


Fig. A–1822.
No. **51** Double Iron, Raised Handle, 10 In., 2⅛ In. Cutter.
Per dozen, **$3 50.**

Fig. A–1823
No. **54.** Adjustable, Straight Handle, 10 In., 2⅛ In. Cutter
Per dozen, **$4 50**

Fig. A–1824.
No. **52.** Double Iron, Straight Handle, 10 In., 2⅛ In. Cutter
Per dozen, **$3 50.**

Fig. A 1825
No **55.** Model Double Iron, Hollow Face, 10 In., 2⅛ In. Cutter.
Per dozen, **$3 00.**

Fig. A 1826.
No **53** Adjustable, Raised Handle, 10 In., 2⅛ In. Cutter.
Per dozen, **$4 50.**

Fig. A–1827.
No. **59.** Single Iron, 10 In., 2⅛ In. Cutter.
Per dozen, **$3 50.**

Fig. A–1828
No. **60.** Double Cutter, Hollow and Straight, 10 Inch, 1⅝ Inch Cutters . . . . . Per dozen, **$4 50**
One dozen in a box.

Patent Reversible Spokeshave.

Fig. A–1829.
This Spokeshave can be worked to and from the person using it without changing position.
No. **62.** Raised Handle (Heavy), Double Cutter, 10 Inch, 2⅛ Inch Cutter . . . . . Per dozen, **$6 00**
One dozen in a box.

Wood Spokeshaves.

Plain.

Fig. A–1830.

Size, Inch,	2½	3	3½
Beech, Plain . . . . . Per dozen,	**$3 25**	**3 75**	**4 25**

Plated

Fig. A–1831

Size, Inch,	2½	3	3½
Beech, Plated . . . . . Per dozen,	**$9 10**	**9 50**	**10 00**

One-half dozen in a box.

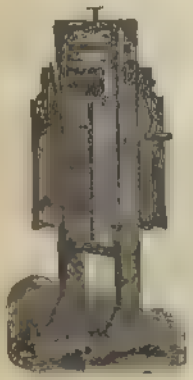
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Folding Bench Clothes Wringers.

No. A—Excelsior Folding Bench Clothes Wringers. Rolls 10 x 1¼ in. . . Per Dozen, $

One-Sixth Dozen in a Crate.

Gem.



Folded Up.

In use.

No. 4—Gem Folding Bench Clothes Wringers. Rolls 6 - ½ . . . Per Dozen $

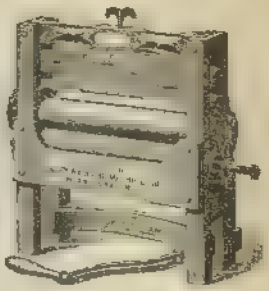
Quarter Dozen in a Crate.

Clothes Wringers.

New Novelty

Nos. 10 and 11.

Novelty



No. 44.

No. 10—New Novelty Family Size, Rolls 9×12 in. . . . Per Dozen, $
" 11— " Large Family Size, Rolls 11×13 in. . . "
" 44—Novelty Hotel Size, Rolls 12×24 in. for Round or Square Tubs, 24 in. or less back . . "

Universal

Universal

No. 4B.

No. 2½—Universal, Family Size, Rolls 10×15 in. . . . Per Dozen, $
" 4MB— Large Family Size, Rolls 11×15 in. . . .

Wringer Repairs.

[illegible] Wringer Rubber Rolls [illegible] Wringing without Stop [illegible] Per pair $ [illegible]
[illegible] Reversing Rubber Rolls [illegible] Wringer [illegible] Per pair [illegible]
Lower [illegible]
Upper [illegible] Improved
Lower [illegible]
Upper [illegible] Novelty
Lower [illegible]
Handles for Improved Wringers [illegible]
Novelty [illegible]
Springs for Improved and Novelty Wringer [illegible]

Washing Machines

Improved American

No. 4—Improved American Washing Machines, ... Per Dozen $

Improved Western

No. 1—Improved Western Washing Machines Small . Per [illegible] $
" 2 " " " " Medium, "
" 3— " " " " Large, "

Wash Boards.

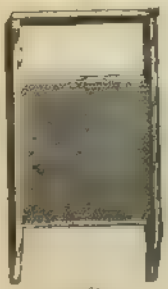
Morning Star.

Peerless, Single.

No. 10 Morning Star Wash Boards, Single, ... Per Dozen, $
" 30 Peerless . . . . . "

HALF INCHES IN A BUNDLE.

Peerless, Double.



Peerless, Single

No 70.

Dasher

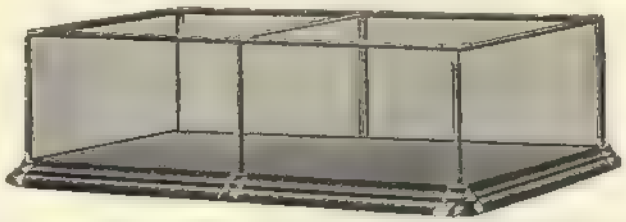
No 80

No. 60 . . . . . Per Dozen, $
" 70 . . . . . "
" 80 . . . . . "

HALF INCHES IN A BUNDLE.

SHOW CASES.

NO. 32. EXTRA HIGH SQUARE.

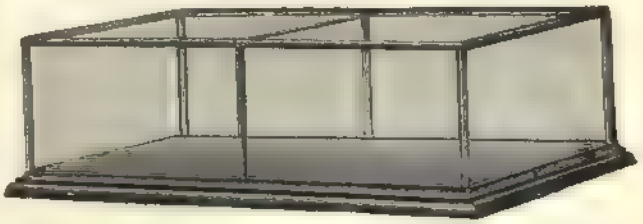


Made in Walnut, Cherry, Antique Oak, Ash or Ebony

Length, feet,	3	4	5	6
15 in. High,	$ 8.00	10 50	13 00	15 00
17 in. High,	9.00	11 50	14 00	16 00
19 in. High,	10 00	12.50	15 00	17 00
Length, feet,	**7**	**8**	**9**	**10**
15 in. High,	$17 00	19 25	21 50	23 75
17 in. High,	18 00	20.25	22.50	24 75
19 in. High,	19 00	21 25	23 50	25 75

The frame is highly polished and glazed with extra heavy double thick French glass. Choice of improved sliding or spring hinge doors, fitted with mirrors. 28 inches wide outside on base.

NO. 33. EXTRA HIGH SQUARE.



Made in Walnut, Cherry, Antique Oak, Ash or Ebony.

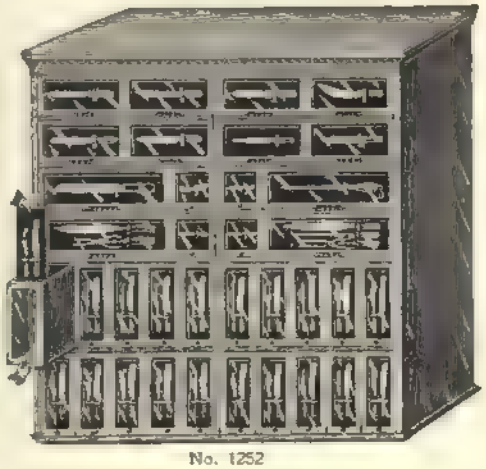
Length, feet,	3	4	5	6
15 in. High,	$6 50	8.50	10.50	12 50
17 in. High,	7 50	9 50	11.50	13 50
19 in. High,	8.50	10 50	12.50	14 50
Length, feet,	**7**	**8**	**9**	**10**
15 in. High,	$14.50	16.50	18 50	20 50
17 in. High,	15.50	17 50	19 50	21 50
19 in. High,	16 50	18 50	20 50	22 50

The frame is highly polished and glazed with extra heavy double thick French glass. Choice of improved sliding or spring hinge doors, fitted with mirrors. 28 inches wide outside on base

WARREN'S CUTLERY CABINETS.

No. 1254

No. 1256.



No. 1252

Made of Antique Oak, Richly Finished.

No. 1254 Glass door with lock and 15 rich red felt faced wooden drawers; 27 in. wide, 15 in. deep, 40 in. high, - - - - - - - - - - - - - - - - each $20 00

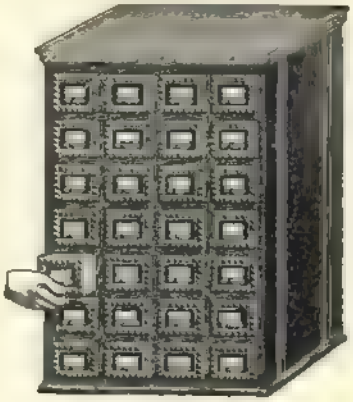
No. 1256 15 patent glass front drawers, with movable slide back of glass, covered with rich red felt; 27 in. wide, 15 in. deep, 40 in. high, - - - - - - - - - - - - - - - - each 20.00

No. 1252 36 patent glass front drawers, same size as hardware cabinets. Drawers made with a movable sample board back of the glass front, sample boards in the drawers lined with rich red felt. The horizontal drawers can be used for hardware instead of cutlery, if desired. All drawers will hold half gross table knives and forks; 53 in. wide, 15 in. deep, 54 in. high, - - - - - - - each 40.00

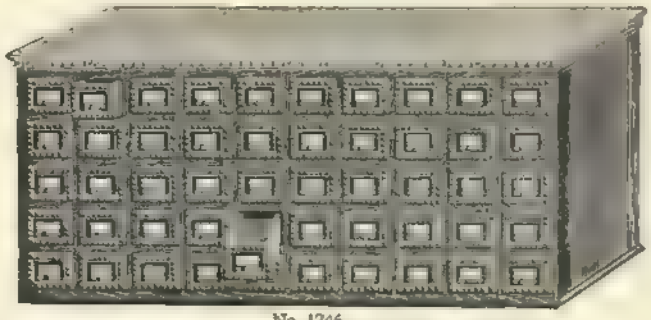
The neatest, most attractive and most profitable way of displaying table cutlery; every pattern always in sight. Prevents samples tarnishing and quickly pays for itself by additional sales it makes

WARREN'S HARDWARE CASES.

FOR SCREWS AND SMALL ARTICLES.



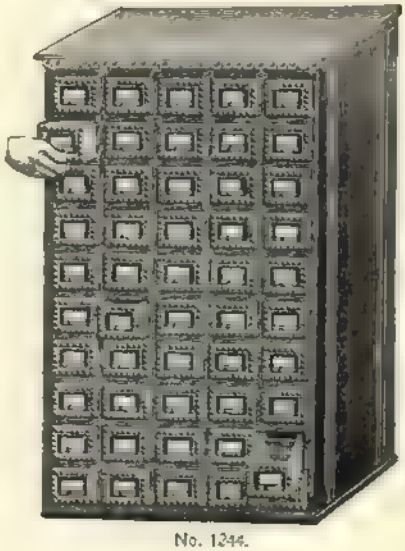
Nos. 1242.



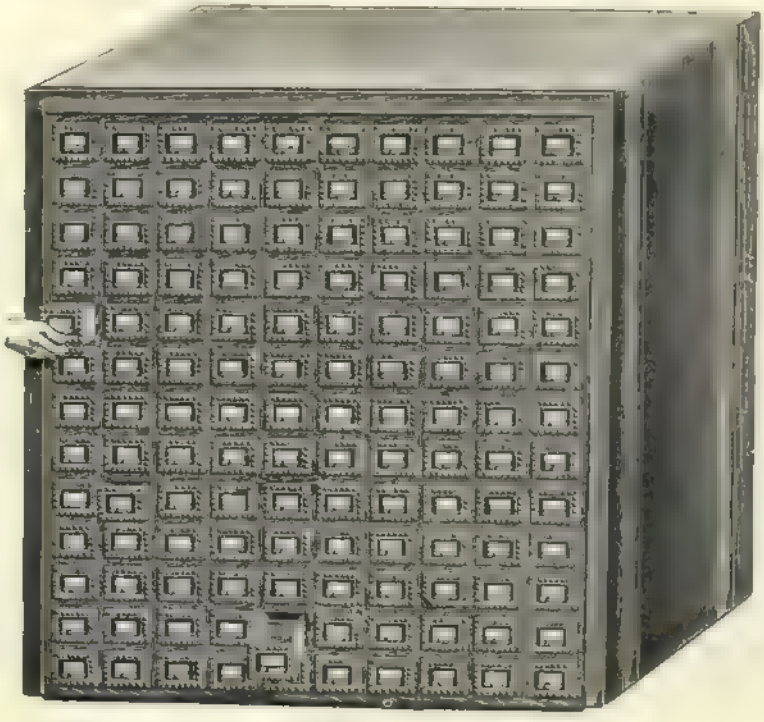
No. 1246.

Ornamental Oak Front.

No. 1240—Contains 15 drawers with 45 spaces, height 18 in., width 15 in., depth 15 in., - each $ 9.00
No. 1242—Contains 28 drawers with 84 spaces, height 25 in., width 20 in., depth 15 in., - - " 15.00
No. 1246—Contains 50 drawers with 150 spaces, height 19 in., width 45 in., depth 15 in., - 25 00



No. 1244.



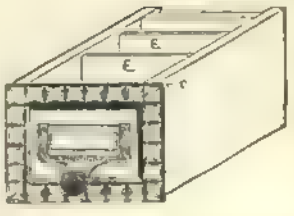
No. 1248

Ornamental Oak Front.

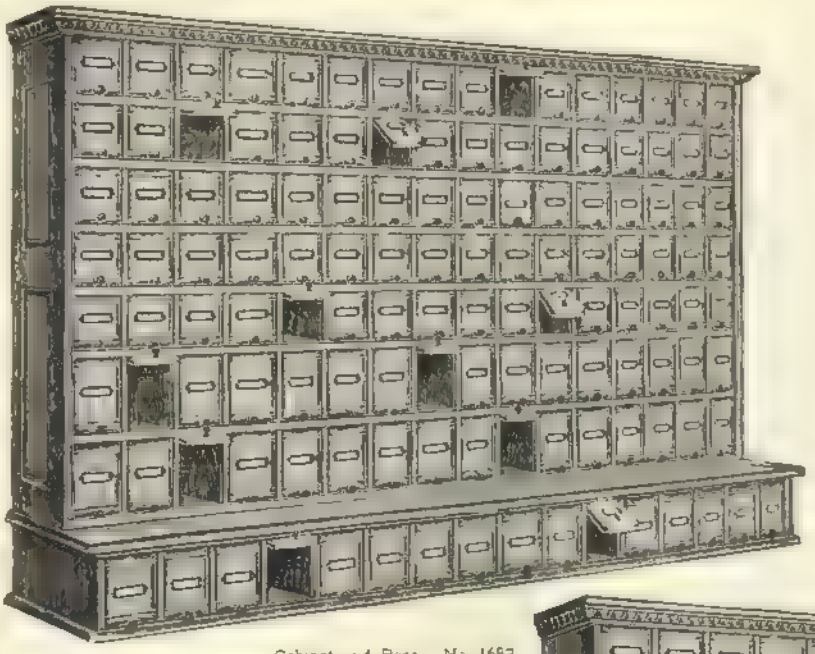
No. 1244 Contains 50 drawers with 150 spaces, height 35 in., width 24 in., depth 15 in., - each $25 00
No. 1248 Contains 130 drawers with 390 spaces, height 45 in., width 45 in., depth 15 in., - 65 00

All drawers in the screw cases are the same size; height 3 inches, width 4 inches, depth 14 inches. Each drawer is divided into three spaces. The smallest space holds 1 gross 1¼ in. No. 10 screws; two spaces hold 1 gross 3 in. No. 12 screws; three spaces hold 1 gross 4 in. No. 12 screws.

Merchants preferring a separate drawer for each size screw will find this design equally practical as the front compartment in the drawer can be used for screws loose and the balance for extra supply in original packages



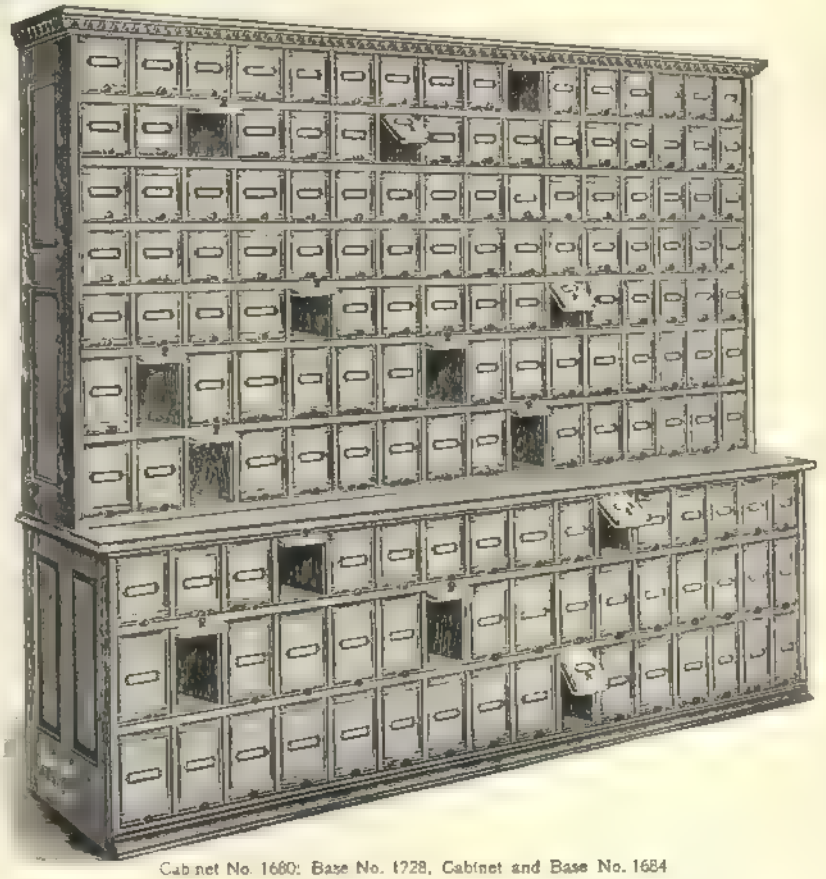
WARREN'S BOLT CASES.



Cabinet and Base No. 1682

These cases have an antique oak exterior, rich ornamental oak moulding, polished brass card frames with white card board, ebony knobs, fine rub finish For bolts, bicycle parts, extras, nuts, washers, skein bolts, lag screws, malleable iron, plumbers' and gas fitters' supplies, agricultural and machinery castings, practical for the machine shop, foundry and warehouse

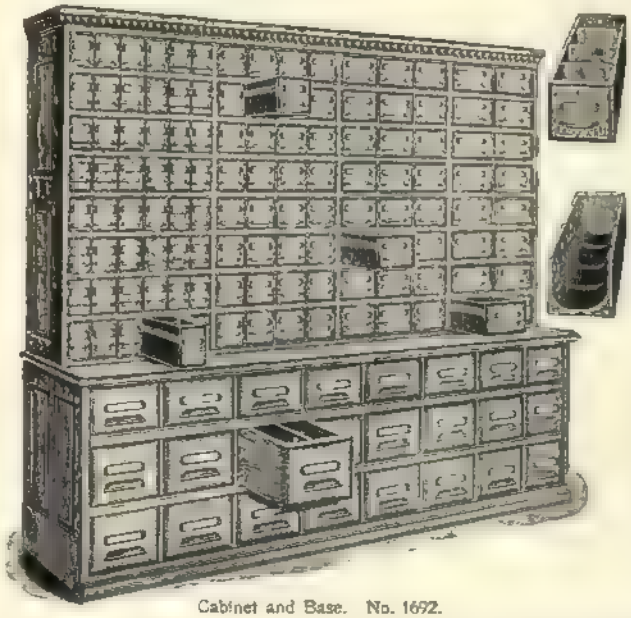
Through an ingenious device the various compartments are made with a tilting front which saves much time, as in a second it is easily slid back, giving instant access to any compartment, and after selection of the article desired it is as quickly closed thus keeping each size separate and forming the perfect appearance of a case with drawers The exertion of sliding a drawer containing from 30 to 40 lbs weight is avoided without losing any of its convenience and the tilting front is not obstructed with scales from bolts or dust, as a sliding or hinged front might be On the outside of the tilting front is a brass card frame to show size of the bolt. Below this is a neat knob by which the front is lifted The pigeon holes are assorted sizes suitable for all average stocks of bolts The exterior of the case is made of antique oak the interior partitions and back are usually of poplar The ends are paneled or beaded The cornice is of rich, ornamental oak moulding The back is well finished, completing its neat construction so that the case can be placed in the center, or at the front of store, or against the wall in line with other shelving.



Cabinet No. 1680; Base No. 1728, Cabinet and Base No. 1684

No. 1682	Cabinet and base complete, 102½ in. long 65 in high, upper cabinet 15 in deep, base 24 in deep,	each	$55.00
No. 1684	Cabinet and base complete 102½ in. long 85½ in high, upper cabinet 15 in deep base 30 in deep, 160 assorted spaces,	each	70.00
No. 1680	Cabinet only. 102½ in. long, 54 in high, 15 in deep 112 assorted spaces,	"	40 00
No. 1728	Base only, 102½ in long, 31½ in high, 30 in deep, 48 assorted spaces,	"	35 00

WARREN'S HARDWARE CABINETS.



Cabinet and Base. No. 1692.

Showing 120 Drawers Contained in Cabinet.

This cabinet will adjust itself to an endless variety of goods, accommodating various widths and lengths, as the drawers are well assorted in widths. The cabinet being finely finished in antique oak exterior, paneled ends, rich solid oak cornice, strong back lining, solid brass pulls, brass card frame with white card-board label, 120 interchangeable drawers, circular bottoms inside in cabinet, each containing four spaces having movable partitions, forming 480 spaces, a groove on the side extending the entire length, in which is inserted a white card board price list with "Number," "Size," "Cost" "Sold From Whom" "Amount Bought," printed in several places. The drawers being multiples, are interchangeable and can be changed from one location to another mixed up or clustered together as the goods require or preference of arrangement dictates. It provides what every merchant needs—small and varying sized spaces for the multiplicity of small goods that are profitable to carry. It would require 26 sheets of order paper, containing 20 lines each, to take an order for the spaces this cabinet contains, if each article was written on a separate line.

No. 1692-Cabinet and base complete, 102½ in. long, 85⅓ in. high, top 15 in. deep, base 30 in deep, 144 assorted drawers, with 528 assorted spaces, - - - - - - - - - - - each $90.00
No. 1688 Cabinet only, 102½ in long, 54 in high, 15 in deep, 120 drawers, with 480 spaces, - " 60 00
No. 1716 Base only, 102½ in. long, 31½ in. high, 30 in deep, 24 drawers, with 48 spaces, - " 35 00

Contents of Cabinet.

48 drawers 4 in. wide, 5⅜ in. high, 14⅜ in. long, with 192 spaces.
32 drawers 6 in. wide, 5⅜ in. high, 14⅜ in. long, with 128 spaces.
24 drawers 8 in. wide, 5⅜ in. high, 14⅜ in. long, with 96 spaces
16 drawers 12 in. wide, 5⅜ in. high, 14⅜ in. long, with 64 spaces

By removing partitions the length of space can be increased as desired, from 1 to 6, 9 or 12¾ inches inside measure.

Contents of Base.

24 drawers, 11½ in. wide, 8¼ in. high, 27 in. long, with 48 spaces

The movable partitions in base extend from front to back. Center cross partitions can be put in, forming 96 spaces

WARREN'S AUTOMATIC NAIL BINS.

Antique Oak Top, Sides and Ends. Contains 8 Bins, Holding 150 Pounds Each.

No. 1786-104 in. long, 31 in high, 30 in wide, - - - - - - - - - - each $35 00
No. 1292 -Nail bin chute, - - - - - - - - - - - - - - - - " 2.50

A keg can be emptied into and removed from a bin in less than sixty seconds. A large amount weighed as quickly and easily as a small quantity. Every bin is self balancing in any position desired. The case containing the revolving bins forms a regular counter, with top, ends and sides made of solid oak. The bins consist of metal and wood strongly built, and by an ingenious device they are so perfectly poised that a child of ten years can lower, weigh from and raise easily. In lowering, the nails never tilt suddenly but slide easily and quickly, regardless of quantity so that a few or a keg can be instantly removed at will. In lowering, the mouth projects out over the center of the scoop, preventing any scattering on the floor.

MISCELLANEOUS GOODS.

IRON CHAIN PUMP CURBS.

No. 1. Represented with Iron Cistern Cover attached.

Each, complete, with Reel, - - - - - - - - - - - - $9 00
" fitted to Iron Cistern Cover, - - - - - - - - - 14 00

IRON CHAIN PUMP CURB NO. 2.

(Represented with Wood Platform.)

Each, complete, with Reel, - - - - - - - - - - $ 9 00
" fitted to Iron Cistern Cover, - - - - - - - - 14 00

☞ Iron Curbs fitted on a 16 inch cistern cover (page 42), form a complete, convenient and durable arrangement, at no greater cost than a wooden platform, which sooner or later rots and gives trouble.

IRON CHAIN PUMP CURB NO. 5.

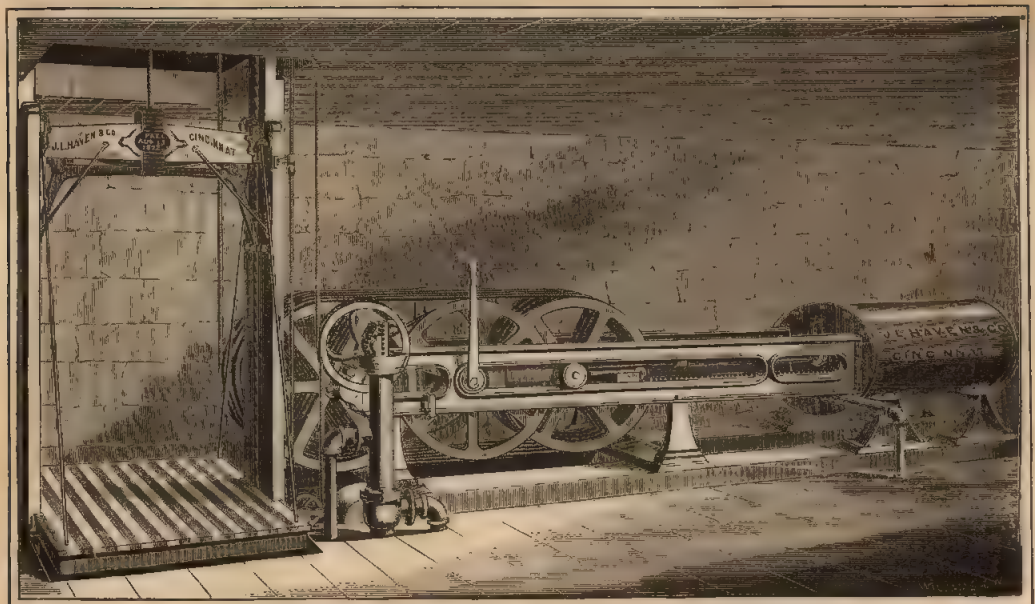
Each, complete, without Cistern Cover, - - - - - - - - $9 00
Each, fitted to Iron Cistern Cover, - - - - - 14 00

IRON CHAIN PUMP CURB No. 6.

Represented with Iron Cistern Cover attached.

Each, complete, without Cistern Cover, - - - - - - - - $9 00
Each, fitted to Iron Cistern Cover, - - - - - - - - - 14 00

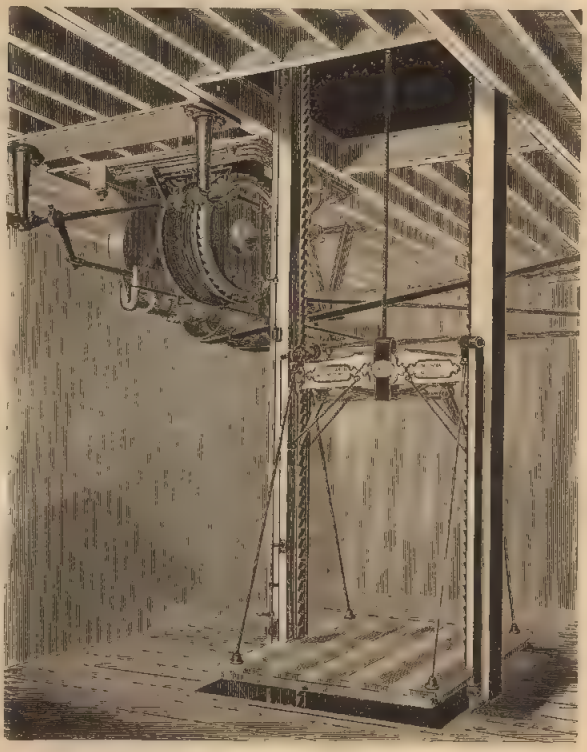
We have fitted to this Iron Curb our fixtures for Rubber Buttons.



COMPOUND VARIABLE HYDRAULIC ELEVATOR.

JAMES L. HAVEN & COMPANY'S

POWER ELEVATORS.



A Special Engine will not cost over Fifty Cents per day for Fuel.

Send us description of what you need, and let us give you an estimate for either

STEAM POWER OR HYDRAULIC ELEVATOR.

THE COMPOUND PULLING HYDRAULIC ELEVATOR.

The cut on third page of cover clearly represents the construction of this Elevator. The cylinder, with its attachments, is placed in the cellar, adjoining the hatch. The supply is taken from the street main and the waste water discharged into the sewer. The cylinder is made according to the water pressure and the required lift, so as to use no more water than necessary. Our piston is made for cotton packing, which will outwear leather, and can be replaced at much less cost. The Elevator is a PULLING machine, and our style of connecting the cylinder and ways makes the most complete and convenient form in use.

The sheaves are supported by and travel in heavy cast iron slides, bolted to the cylinder and supported on iron legs. The traveling shaft having its ends confined in the slots, and between the frames, can not be forced out of position, and the pressure or strain comes exactly in the center of the cylinder. The ends of the slots form positive stops for the sheaves, so that the piston cannot be forced too far at either end, in case the shifter rope becomes disarranged.

We place the fixed sheaves so that the cables track straight from one to the other, avoiding the friction which is inevitable when running angularly, as in a pushing machine.

Our valve is a three-way balanced piston valve, with brass plunger, and with graduated openings, preventing concussion in the pipes.

An indicator is attached, to record the number of gallons of water consumed.

Our platform is made of all ash, in a strong and substantial manner, with anti-friction rollers, and fitted with the most approved safety devices to support the platform in case the cable breaks.

THE COMPOUND VARIABLE LIFT HYDRAULIC ELEVATOR.

This machine, represented on page 232, is similar in construction to the single lift, except that it is made for two lifts—a light and heavy—adapted for heavy Grocery, Hardware, and Tobacco houses, where the majority of the loads are light, not over 1,000 to 1,200 pounds, while occasionally a hogshead weighing 2,000 to 2,500 pounds is to be raised.

The water is used in proportion to the lift, and the heavy lift being required only occasionally, the saving in water rent in a year is considerable.

The change to either lift is made in an instant, by running the platform to the cellar and moving the hand lever as shown in the slide.

THE DIRECT ACTION HYDRAULIC ELEVATOR,

Illustrated on page 231, is the simplest and safest style of Elevator. It is especially adapted for short lifts, and is practicable in all cases where a well can be sunk in the ground.

A Hydraulic Elevator can be run from the street main with a pressure of 25 pounds per square inch and upwards, or from a tank on the roof, supplied by a steam pump.

ADVANTAGES OVER STEAM ELEVATORS.

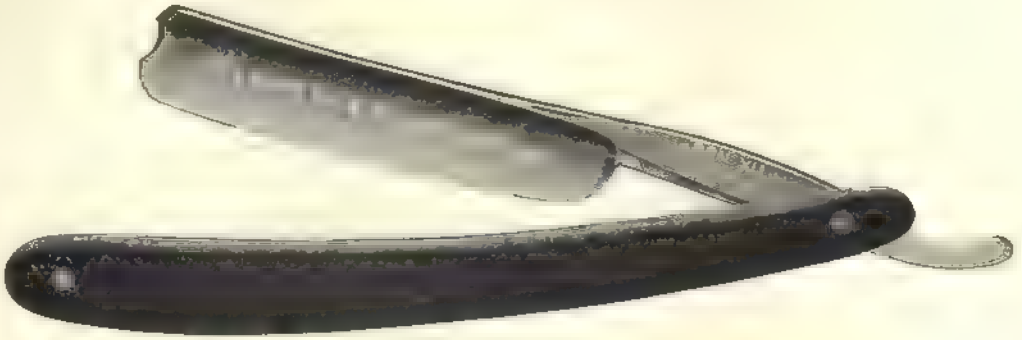
Simplicity of Construction and great Durability; Economy of Operation; Freedom from Liability of Repair; No Skilled Labor Required; the Porter can keep them in Running Order.

Direct Acting Hydraulic Elevator.

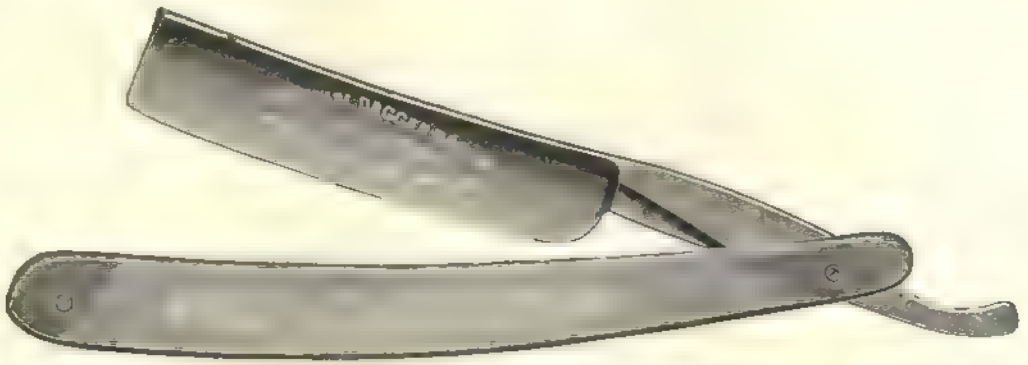
The name and cut are sufficient description. We dispense with the wire rope, and to that extent are less liable to accident.

This style of Elevator requires a well hole to receive the cylinder as deep as the *lift* that is, 50 feet Lift requires a well to be dug about 52 feet deep, which in many situations is difficult, if not impossible.

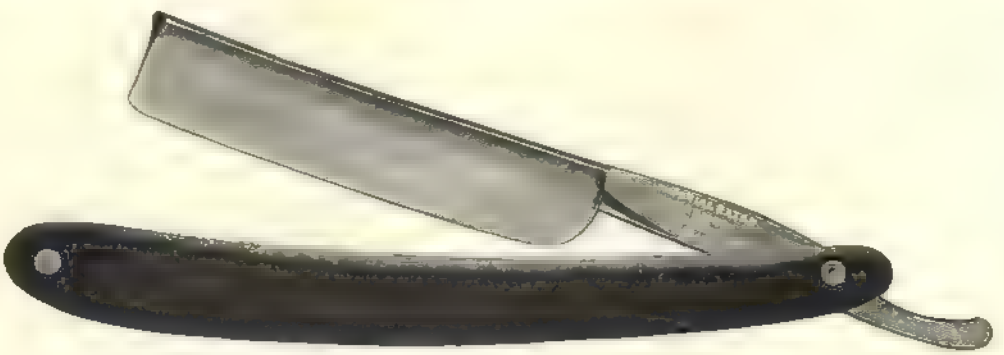
RAZORS.



No. 504 5/8 in. blade, medium hollow ground, rubber handle, ... per dozen $8.00



No. 500 5/8 in. blade, medium hollow ground, etched in gold, clear horn handle, . . per dozen $13.00



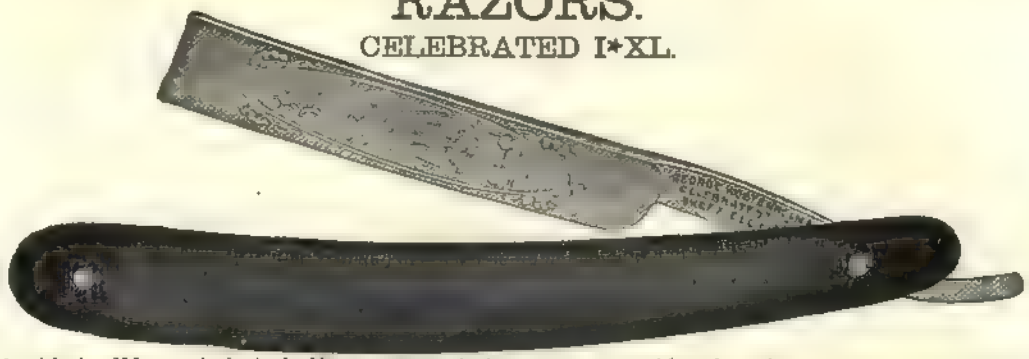
No. 501–5/8 in. blade, extra hollow ground, rubber handle, per dozen $15.00

No. 502–5/8 in blade, extra hollow ground, imitation bamboo handle, ... per dozen $18.00

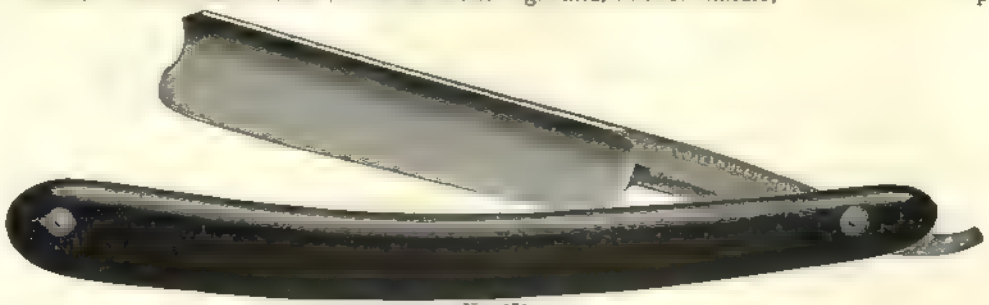
HALF DOZEN IN A BOX

RAZORS.

CELEBRATED I★XL.



No. 126–½ in blade, Wostenholm's I★XL, medium hollow ground, rubber handle, - - - per dozen $10.00



No. 101.

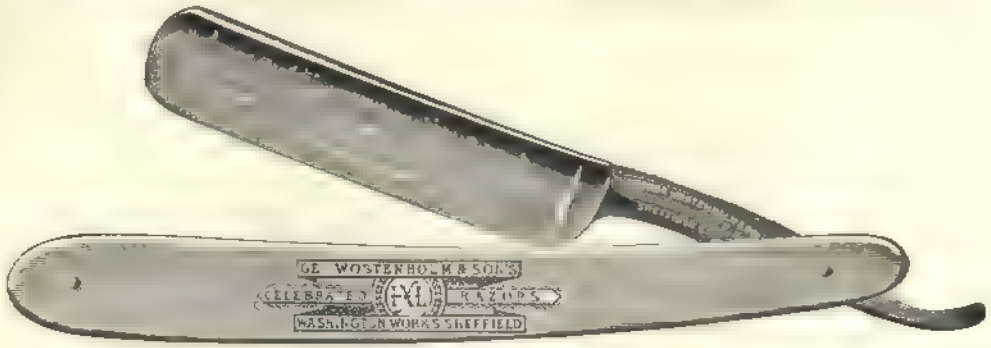
No. 109–⅜ in., Wostenholm's I★XL, plain blade, round point, hollow ground, rubber handle per dozen $14.50
No. 101–⅝ in., Wostenholm's I★XL, plain blade, round point, hollow ground, rubber handle, - " 14.50
No. 103–⅝ in., Wostenholm's I★XL, etched blade, round point, hollow ground, rubber handle, - " 16.50

No. 108.

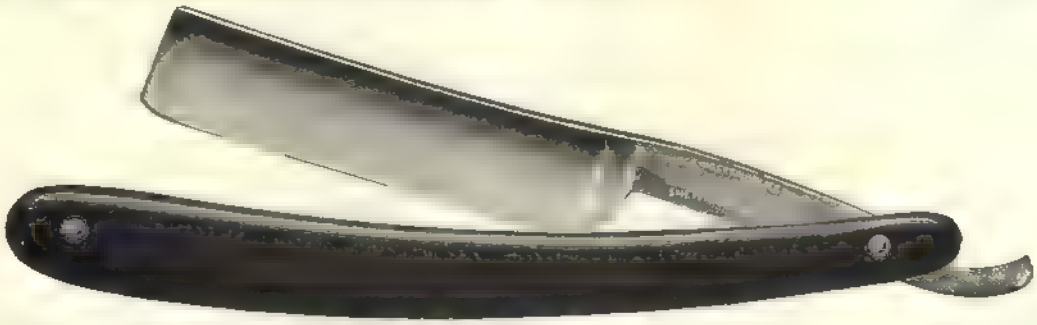
No. 108–⅝ in., Wostenholm's I★XL, gold etched blade, crocus polished, hollow ground, rubber handle, per dozen - - -

RAZORS.

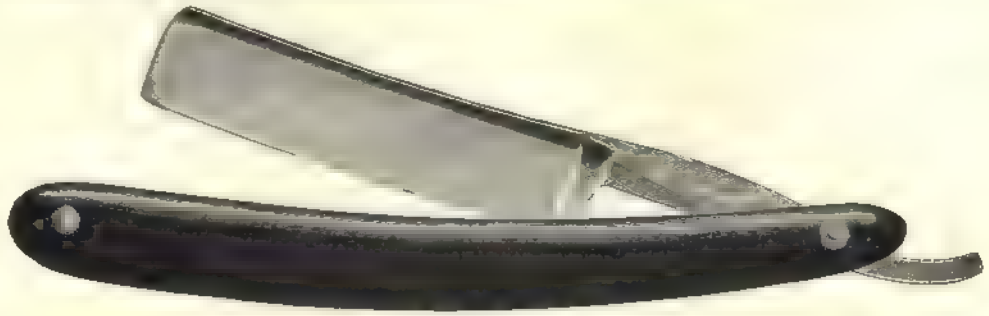
GEORGE WOSTENHOLM & SON'S CELEBRATED I★XL



No. 128–5/8 in. blade, full hollow ground, crocus polished, ivory handle. . . per dozen $48.00



No. 127–5/8 in blade, full hollow ground, rubber handle, ... per dozen $18.00

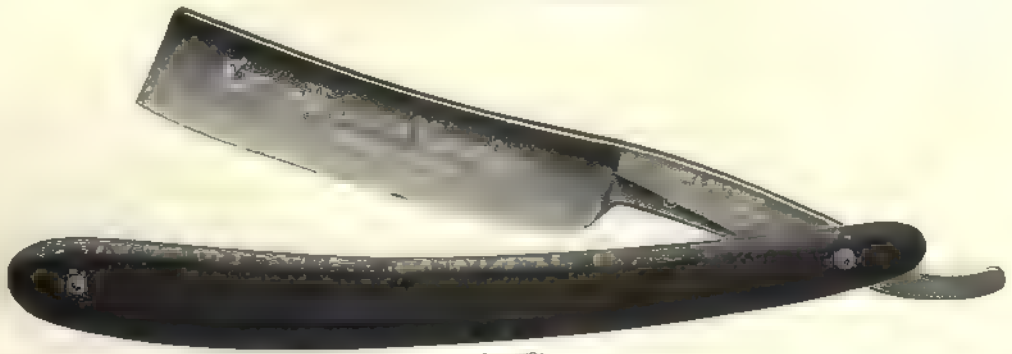


No. 112 Pipe Razor

No. 112 5/8 in blade, full hollow ground, crocus polished, rubber handle, ... per dozen $28.50
No. 125–1 in blade, full hollow ground, crocus polished, rubber handle, ... " 28 50
No. 111–5/8 in blade, full hollow ground, etched, hollow point, file tang, rubber handle, . . " 24.00

HALF DOZEN IN A BOX

WADE & BUTCHER'S.



No. 221

No. 221–5/8 in blade, extra hollow ground, etched in gold, rubber handle, ... per dozen $25 00
No. 222 3/4 in. blade, extra hollow ground, etched in gold, rubber handle, ... " 25 00

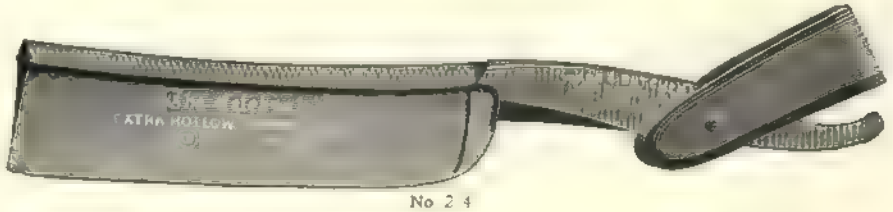
HALF DOZEN IN A BOX.

RAZORS.

WADE & BUTCHER'S.

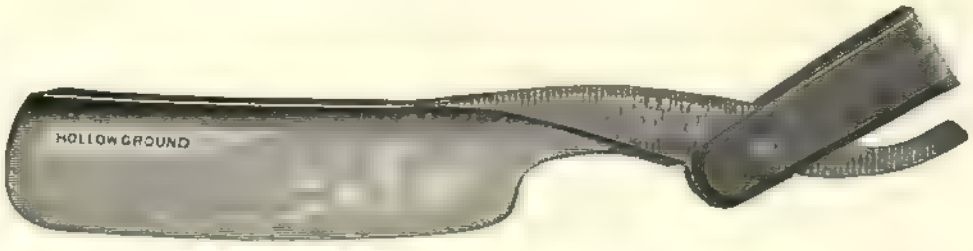
No 201

No. 201–⅝ in., etched blade, hollow point, hollow ground, rubber handle, ... per dozen $16.50
No. 203–⅝ in., etched blade, slope point, hollow ground, rubber handle, ... " 24 00
No. 213–¾ in., etched blade, square point, hollow ground, rubber handle, ... " 29.00



No 2 4

No. 210–⅝ in., etched blade, square point, hollow ground, rubber handle, ... per dozen $28.00
No. 211–⅝ in., etched blade, square point, hollow ground, rubber handle, ... " 28.50
No. 214–¾ in., etched blade, square point, diamond back, hollow ground, rubber handle, . " 30.00



No. 204–¾ in , etched blade, round point, crocus polished, hollow ground, rubber handle, . per dozen $32.00

No. 217–¾ in., hollow ground, mottled celluloid handle, ... per dozen $26 00

HALF DOZEN IN A BOX.

Blocks.

Rope Strapped.

Fig. A-2631.
Single

Fig. A-2632
Double.

Fig. A 2633
Triple

Rope Strapped Blocks.

DIMENSIONS.			PLAIN SHEAVE.			PATENT SHEAVE		
Size Sheave	For Diam Rope	Size Sheave	Single	Double.	Triple	Single	Double	Triple.
1¼ x ½ x ⅛	⅛	3 Inches	$0 65	$1 05	$1 60	$1 00	$1 85	$ 2 75
2¼ x ⅝ x ⅛	½	4 "	70	1 30	2 00	1 10	2 15	3 15
3 x ¾ x ⅛	⅝	5 "	83	1 58	2 10	1 20	2 35	3 50
3 ½ x ⅞ x ½	¾	6 "	1 05	1 80	2 60	1 45	2 75	4 20
4¼ x 1 x ½	⅞	7 "	1 25	2 25	3 30	1 65	3 25	4 75
4½ x 1 ⅛ x ⅝	⅞	8 "	1 54	2 60	3 75	2 15	3 85	5 75
6¼ x 1¼ x ¾	1⅛	10 "	2 50	4 25	5 90	3 30	5 75	8 35
8x1⅜x¾	1¼	12 "	4 00	6 50	9 50	4 90	8 00	12 50

Iron Strapped.

Fig. A 2634
Single

Fig. A 2635
Double.

Fig A 2636.
Triple.

Iron Strapped Blocks.

Galvanized Straps and Sheaves.

DIMENSIONS.			PLAIN SHEAVE.			PATENT SHEAVE		
Size Sheave	For Diam Rope	Size Sheave	Single	Double	Triple	Single	Double	Triple
1¼ x ½ x ⅛	⅛	3 Inches	$0 70	$1 30	$ 1 75	$1 10	$2 00	$ 2 90
2¼ x ⅝ x ⅜	⅜	4 "	85	1 60	2 15	1 20	2 25	3 25
3x¼x⅜	⅜	5 "	90	1 75	2 25	1 25	2 35	3 50
3½x1x½	½	6 "	1 10	2 00	2 90	1 50	2 85	4 40
4¼x1x½	⅝	7 "	1 30	2 40	3 50	1 70	3 35	5 00
4½x1⅛x⅝	1	8 "	1 65	2 85	4 25	2 25	4 15	6 00
6¼x1⅛x¾	1⅛	10 "	2 75	4 50	6 25	3 50	6 00	8 50
8x1⅜x¾	1¼	12 "	4 45	7 50	10 65	5 30	9 20	13 20

Wide Mortise, Extra Heavy.

8x1⅜x¾	1½	12 Inches	$5 25	$8 50	$12 50	$6 50	$11 00	$16 25

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Snatch Blocks.

Wood.

Fig. A-2637.
Clasp Closed.

Fig. A-2638.
Clasp Opened.

Roller Bushed.

For Diameter Rope.	Size Shell.	Price, Each.
⅜ Inches	6 Inches	$ 4 00
1 "	8 "	5 75
1¼ "	10 "	8 50
1½ "	12 "	10 00
1¾ "	14 "	13 00
2 "	16 "	17 00

The "Hartz" Steel Snatch Blocks.

Automatic Wrought Iron and Steel Lock. Self-Lubricating Graphite Bronze Bushings.

Group Fig. A-2639

Length of Strap	Sizes of Sheave.	Diameter of Rope.	Price.
7 Inches	3½x1¼	¾ and ⅞	$ 5 50
8 "	4 x1½	1 " 1¼	7 00
10 "	5½x1⅞	1¼ " 1⅛	9 00
12 "	7 x2	1½ " 1⅝	11 50
14 "	8 x2¼	1¾ " 1⅞	15 00
16 "	9 x2½	2 " 2¼	20 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

The "Hartz" Steel Tackle Blocks.

Regular Mortise.

Fig. A–2640.

Fig. A–2641.

Fig. A 2642.

All these Blocks, 9 inch and larger, have the same "score" as Wide Mortise Blocks, and take the same size of rope

JAPANNED.

Length of Shell.	Diameter of Rope.	Common.			Patent Graphite Bronze Bushing		
		Single.	Double.	Triple.	Single.	Double.	Triple.
4	½	$0 85	$ 1 60	$ 2 15	$1 20	$ 2 25	$ 3 25
5	⅝	90	1 75	2 25	1 25	2 35	3 50
6	¾	1 10	2 00	2 90	1 50	2 85	4 40
7	⅞	1 30	2 40	3 50	1 70	3 35	5 00
8	1	1 65	2 85	4 25	2 25	4 15	6 00
10	1¼	2 75	4 50	6 25	3 50	6 00	8 50
12	1⅜	4 45	7 50	10 65	5 30	9 20	13 20
14	1½	7 00	10 50	15 00	8 15	12 80	18 45

GALVANIZED.

Length of Shell.	Diameter of Rope.	Common.		Patent Graphite Bronze Bushing	
		Single.	Double.	Single.	Double.
4	½	$1 00	$1 80	$1 35	$2 45
6	¾	1 35	2 45	1 75	3 30
8	1	2 35	3 85	2 95	5 15
10	1¼	3 95	6 40	4 70	7 90

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

The "Hartz" Steel Tackle Blocks.

EXTRA HEAVY, THICK MORTISE

WITH

STEEL STRAPS.

Fig. A-2643

Fig. A-2644.

Fig. A-2645.

The Strongest Block of Their Kind.

Self-Lubricating Graphite Bronze Bushing.

Steel Straps.

Length of Shell.	Diameter of Rope.	Description.	Price.
12 Inches	1⅝ Inches	Single	$ 8 75
		Double	14 50
		Triple	20 00
14 Inches	1¾ Inches	Single	10 75
		Double	18 50
		Triple	25 50
16 Inches	2 Inches	Single	15 00
		Double	25 00
		Triple	38 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Leopold Arms Co., Belgium.

Fig. A-3499.

No. 8451. Leopold Arms Co This Gun has the Scott Top Lever, Genuine Fine Damascus Barrels, Full finished Bar Action Rebounding Locks, Extension Matted Rib, New Style Circular Hammers, Double Bolt, Both Lugs through, Deeley & Edge Patent Fore-End, Pistol Grip Finely Checkered, Engraved Locks, Rubber Butt, Right Barrel Modified Choke, Left Barrel Full Choke, 12 and 16 Gauge, 6½ to 8 Lbs. . . . . Price, **$22 50**

Fig. A-3500

No. 414. Leopold Arms Co. This Gun has the Scott Top Lever, Genuine Twist Barrels, Bar Rebounding Locks, Extension Matted Rib, Circular Hammers, Deeley & Edge Fore-End, Pistol Grip Checkered, Rubber Butt, Right Barrel Modified Choke, Left Barrel Full Choke, 10, 12 and 16 Gauge, 6½ to 8 Lbs. . . . . Price, **$21.00**

Hammerless Breech-Loading Shot Guns.

The "Syracuse."

You will see by referring to sectional cut that the cocking arm, hammer and firing pin are all one piece cocking arm hammer has a bearing directly on the lug, no intermediate pieces, making the easiest cocking device ever used on any hammerless gun

Cocking and firing mechanism is all contained in the metal frames, thus avoiding the cutting away and consequent weakening of the stock. The mainspring forces a connection between hammer and lug through the agency of the slot in the hammer Therefore making it possible to take off and lock barrels with hammer in any position—either up or down, or one up and one down.

The safety mechanism is, simple, automatic and positive.

Fig A-3493.

In Stock.

	Price
Grade No 0 Best Twist Barrels Imported Walnut Stock, Nicely Checkered, Not Engraved	$35 00
Grade No. 2. Fine Damascus Barrels, Imported Walnut Stock Nicely Checkered, Not Engraved	45 00
Grade No 3. Fine Damascus Barrels, Excellent Imported Walnut Stock, Nicely Checkered, Very Fine Engraving	65 00

To Order Only.

	Price
Grade A. Ejector, Very Fine Damascus Barrels, Elegant Engraving, Selected Imported Walnut Stock, Nicely Checkered	$ 90 00
Grade B. Ejector Very Fine Damascus Barrels, Best Stock We Can Buy, Magnificent Engraving	135 00

12 gauge, 6 to 9 lbs. weight.
10 gauge, 7 to 10 lbs. weight.

Leopold Arms Co., Belgium.

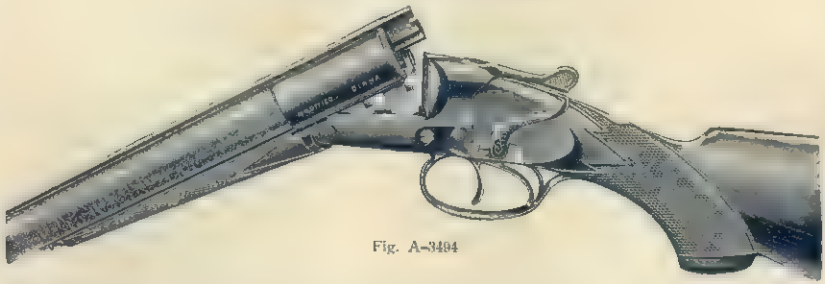


Fig. A-3494

The Leopold Hammerless combines extreme simplicity of the mechanism with absolute safety.

The percussion is direct The cocking is done by pushing forward a lever placed on the outside of the left-hand lock plate This device is so simple and works so easily that after a little practice the gun can be cocked whilst being shouldered.

No **6300.** New Patent Top Lever, Washington Two Blades Damascus Barrels Anson & Deeley Fore-End, Treble Bolt, Checkered Pistol Grip and Fore-End, 12 and 16 Gauge $40 00

No. 6310. Same as No. 6300, but with Three Blades Star Damascus Barrels, Quadruple Bolt, Finely Engraved 45 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Remington New Model Double Barrel Shot Guns.

Fig. A-3495

Shooting Qualities Are Unexcelled.

Bar locks, new style low circular hammers, rebounding, pistol grip, extension rib, double bolt, solid strikers, matted rib, Deeley & Edge fore end, checkered grip and fore-end, rubber butt, both barrels choke-bored.

10 and 12 Gauge.

No 1.	Decarbonized Steel Barrels	Price, **$22 50**
No. 2.	Fine Twist Barrels	" **25 00**
No. 3.	Damascus Steel Barrels	" **27 50**

12 Gauge, 30 and 32 inches, 7 to 9 pounds } Barrels not made over 32 inches long.
10 Gauge, 30 and 32 inches, 8½ to 10¼ pounds. }

Regular length of stocks 14 in., with drop from 2⅝ to 3½ in. Any deviation will be subject to an advance in price, $5.00 list.

Hammer Breech-Loading Shot Guns.

Leopold Arms Co., Belgium.

Fig A-3496.

No. 2640. Leopold Patent Top Lever, Star Damascus Barrels, Bar Rebounding Locks, Finely Engraved, Anson & Deeley Fore End, Extension Matted Rib, Low Circular Hammers, Left Barrel Full Choke, Right Barrel Modified Choke, Quadruple Bolt, 12 Gauge, 30 Inches, 6½ to 7½ Pounds . . . . . Price, **$40 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Leopold Arms Co., Belgium.

Modified Diana Pattern Machine Made Breech-Loading Shot Guns.

The barrels are screwed in the breech, they remain perfectly round and straight and are not pinched together, as is the case in the old way of manufacture. The lumps and the steel breech are one solid piece, thus avoiding lumps becoming loose.

The barrels being independent of each other, the expansion is even, and the penetration and shooting qualities in general are thereby increased. The steel breech is level with the barrels, in this it differs from the Diana Gun, where the breech projects, and the new system is therefore called the "Modified Diana." Barrels are choked after the most approved system and are flat at the breech.

The top lever is constructed after a new device, and by means of a strong catch fitting into the extension rib, forms an additional bolt.

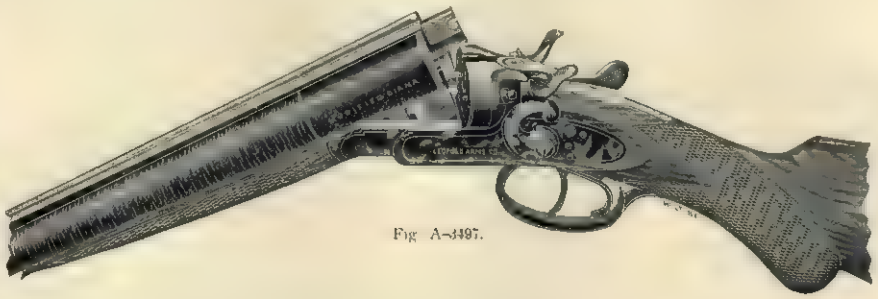


Fig. A–3497.

No. 1430. Leopold Arms Co., New Style Patent Top Lever, Genuine Laminated Barrels, Fine Bar Rebounding Engraved Locks, Engraved Breech and Barrel, Capped Pistol Grip, Extension Matted Rib, Treble Bolting Action, Reinforced Breech, Right Barrel Modified Choke-Bored, Left Barrel Full Choke-Bored **$25 00**

12 and 16 gauge 6½ to 8 pounds.

Fig. A–3498.

No. 2460. Leopold Patent Top Lever, Washington Three Blades Damascus Barrels, Bar Rebounding Locks, Extension Rib, Anson & Deeley Fore-end, New Style Circular Hammers, Nicely Engraved, Pistol Grip with Rubber Cap, Rubber Butt, Left Barrel Full Choke-Bored, Right Barrel Modified Choke-Bored, Quadruple Bolt **$35 00**

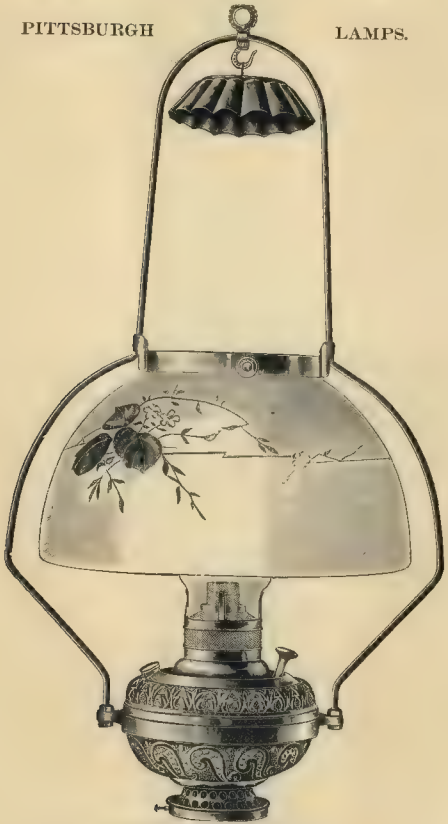
12 and 16 gauge, 6½ to 8 pounds

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

No. 105. Harp, with No. 2 Embossed Fount, No 2 Chimney, No. 2 Smoke Bell and No. 3 14 inch Decorated Dome Shade

Price Complete, as shown in Cut: Brass, $8 00 each; Nickel, $8 50 each. With No. 2½ Fount. Brass, $8 50; Nickel, $9 50

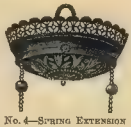
PITTSBURGH LAMPS.



No. 0102-¼ Harp, with No. 2½ Embossed Fount,
No. 2 Chimney, No. 3 Smoke Bell and No. 2 14 inch Decorated Dome Shade.
Complete as shown in cut. Brass, $6 50, Nickel, $7 50

THIS LAMP BURNS SIXTEEN HOURS WITHOUT REFILLING.

PITTSBURGH LAMPS.



No. 4—Spring Extension

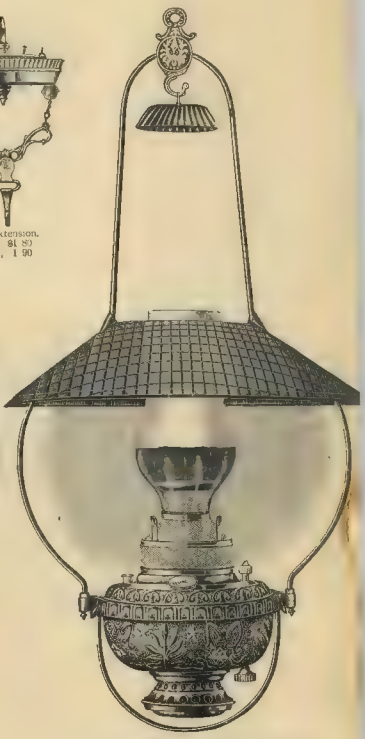
No. 116 Harp
With No. 0 Embossed Mammoth Fount, No 3 Chimney and No 3 Decorated Dome Shade
Prices Complete as shown in Cut, with addition of No 4 Spring Extension, Brass, $12 50 each: Nickel, $14 00

No. 115 Harp.
With No. 3 Mammoth Fluted Fount, No. 3 Chimney, No. 2 Smoke Bell and No. 3, 14 inch Decorated Dome Shade. Complete as shown in Cut Brass, $10 00 each, Nickel, $11 00
With No. 4 Extension: Brass, $2 00; Nickel, $2 20 list extra.

THE PITTSBURGH LAMP.

No. 1 Extension.
Brass, $1 80
Nickel, 1 90

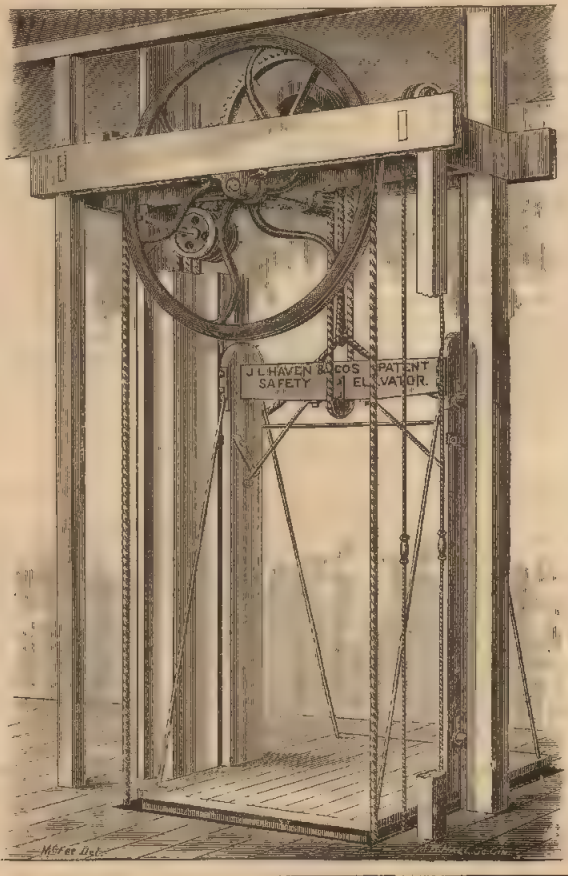
No. 0112 Harp, with Embossed No. 3 Mammoth Fount,
No. 3 Chimney, No. 3 Smoke Bell
and No. 3 14 inch Decorated Dome Shade.
Price complete as shown in cut.
Brass, $8 75 each. Nickel, $9 50 each.



No. 112 Harp, with Embossed No. 3 Mammoth Fount,
No. 3 Chimney, No. 3 Smoke Bell and 20 inch
Corrugated Tin Reflector.
Price complete as shown in cut
Brass, $7 00 each. Nickel, $7 50 each.

Patent Safety Hand-Power Elevator.

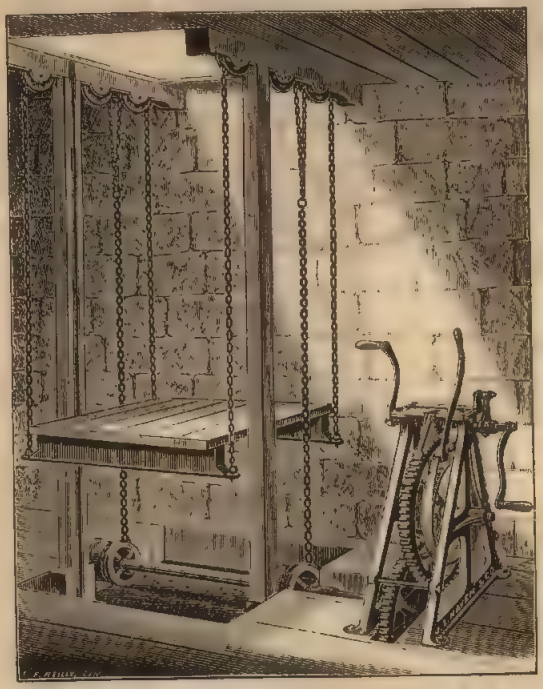
No. 4.



PLATFORM ELEVATOR.

No. 7.

(SIDEWALK ELEVATOR.)

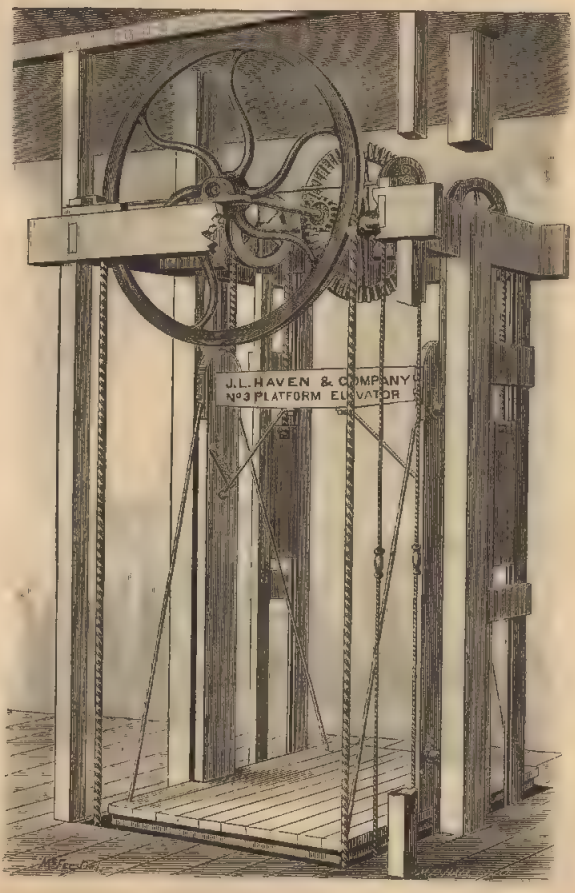


This form is used to hoist from the cellar to the street or first floor, in situations in which it is inconvenient to have the machinery overhead.

It is a very powerful and convenient machine. One person can raise 1,000 pounds, or two can raise 2,000 pounds. Any weight can easily be lowered, as the gearing is slipped aside, and the break holds it securely.

Safety Hand-Power Elevator.

No. 3.



ELEVATORS.

No. 4 PLATFORM ELEVATORS.

Our No. 4 Platform Elevator, page 226, is the most desirable hand elevator made, excelling all other machines in the following points:

Safety.—The Platform is supported by two cables, wire or manilla as desired, both attached to the counter-weight, and in addition is fitted with our PATENT SAFETY ATTACHMENT. This is operated by a third rope, hanging slack, and attached to the counter-weight, ready to support the platform and lock the safety catch in case the lifting cables should break

It is the Easiest Working Machine.—The platform is suspended from the center, instead of from the sides, keeping in perfect balance, and causing no friction, no matter in what posititon the load is placed The shafts are turned, the boxes bored and fitted with anti-friction rolls, which require no oiling and reduce the friction to a minimum. The platform is counter-balanced to run up of itself empty. The hand-rope is in the hatchway, so as to be operated from the platform as well as from the floor. The brake is operated by a screw, positive in its action, checking and holding the platform at any desired point.

Durability.—The platform is made of all ash, in a strong and substantial manner, well braced. The gearing is heavy and durable, all bolted to a strong frame, which makes an even and steady support, preventing all chance of parts getting out of line.

The cut represents a hoist for all ordinary purposes, capable of lifting any load up to 2000 pounds. For loads from 2000 to 3000 we furnish a special gearing,—a heavy cast iron winding drum to which both counter-weight and lifting ropes are attached.

No. 3 PLATFORM ELEVATORS.

In case a cheaper elevator than our No. 4 is wanted, we have a style represented in cut No. 3, which we can recommend as a strong and durable hoist.

The platform is supported by two cables, wire or manilla, as desired, and perfectly counter-balanced. The hand rope is in front or side of hatch as desired. The gearing is all attached to a solid frame, as shown in the cut. The capacity of this hoist is equal to that of No. 4. If your building is only one or two stories high, where SAFETY is not so important an item, this elevator will answer as well as the more expensive one, and will be fully as serviceable.

We put up our hoists in complete running order, or parties at a distance can have them set up themselves, saving considerable in the cost. We furnish all the gearing fitted to overhead frame, platform, ropes, and counter weight, and give specifications of lumber needed for uprights and weight box, with directions so that any good carpenter can do the work. Almost all our hoists outside of the city have been set up by the parties ordering, and in *no case have they failed to give satisfaction.*

In ordering any Elevator, give us the following Particulars, and we can Quote Prices:

1st. Distance from top of each floor to the top of the next, and from upper floor to roof.

2d. A sketch of one floor, showing size of hatchway, position of uprights, and front of hatch or side you load from.

3d. Mark which corner of hatch you prefer to stand, when hoisting.

Double Sight-Feed Lubricator.

For Compound Engines.

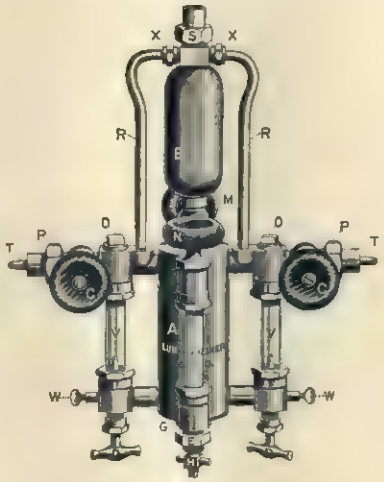


Fig A-3001.

Description.

A—Oil Reservoir
B—Condensing Chamber.
C—Oil Discharge Valves.
D—Oil Regulating Valves.
G-E—Brace-Stud and Lock-Nut for Supporting Cup.
H—Drain Valve.
M—Water Valve.
N—Filling Plug.
O—Plugs for Renewing Sight-Feed Glasses.
P—Unions on Discharge Shanks for Attaching
R—Equalizing Pipes.
S—Union at Steam Connection.
T—Oil Discharge Nozzles.
V—Sight-Feed Glasses.
W—Vents for Blowing out Sight-Feed Glasses.
X—Union Connection on Equalizing Pipes.

This Lubricator, designed for Compound Engines, is fully warranted to meet the requirements, and special attention is called to its simplicity of construction and neat design. It is provided with equalizing tubes, thus variations in pressure are properly equalized, preventing "syphoning" of the oil. All cups have brace-stud and lock-nut at bottom end of oil reservoir to receive the strap or brace that secures the cup to its proper position on the engine; the brace-stud can also be provided on the back of oil reservoir, if so desired. These cups, when so ordered, can be furnished with a stand at bottom for supporting cup.

Cups are also furnished with three or more Sight-Feeds at Special Prices.

Directions.

Attach the cup securely to a brace (by means of the brace-stud and lock nut) in the most suitable position on the engine; then connect the top live steam connection and the oil delivery discharge ends.

To Operate—Close valves C, D and M and fill the reservoir with oil, then open valves C and allow sight-feed glasses to fill with water, then open valve M and regulate the oil drops at D. Before refilling the next time, drain the water from cup by means of valve H. In some cases it may be necessary to regulate discharge valves C to insure best working. Broken glasses are easily replaced by taking off Plugs O.

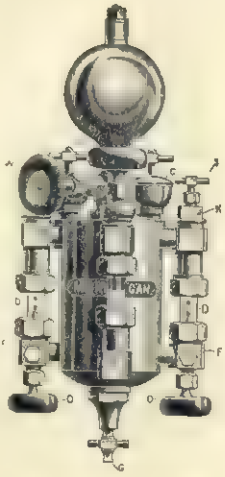
Price List

Size		1 Pint.	1½ Pint.	1 Quart.	½ Gallon.	1 Gallon
Price, Nickel Plated	Each	$36 00	42 00	48 00	60 00	80 00
Extra Glasses	Per Set	1 25	1 25	1 50	1 75	2 00

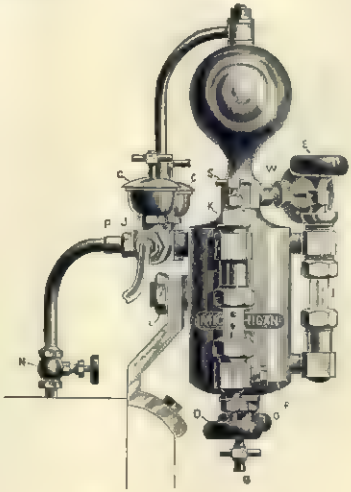
On all sizes the Unions on top Condenser Connection and Oil Delivery Connections have ¼ inch Female Pipe Thread.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Michigan" Double Sight-Feed Locomotive Cylinder Lubricator.



Front View Fig A-3092.



Side View. Fig. A-3092.

Description.

L—Lock-Nut to Secure Lubricator to Angle Iron.
P—Union to Connect Pipe for Admission of Steam.
J-J—Unions to Connect Oil Discharge Arms with Tallow Pipes.
E—Filler Plug.
N—Steam Valve for Boiler Pressure.
W—Valve to Admit Water from Condenser to Oil Reservoir.
S-S—Lifting Stems to Hold Check Valves off Their Seats so Glasses Will Fill Automatically with Water of Condensation.
O-O—Regulating Feed Valves.
C-C—Auxiliary Oilers, Entirely Independent of Lubricator.
F-F—Valves to Drain Sight-Feed Glasses.
G—Valve to Drain Lubricator.
K-K—Removable Plugs for Renewing or Cleaning Sight-Feed Glasses.
I—Gage Glass.
D-D—Sight-Feed Glasses.

Above illustrations show front and side view of the "Michigan" double Sight-Feed Locomotive Lubricator, which is superior to, and an improvement over, all other "locomotive" lubricators, because its feed is *unvarying* whether throttle of locomotive is open or closed.

The "Michigan" delivers the oil fed through the sight-feed glass directly against *continuous boiler pressure* until the oil has completely left the lubricator and entered the tallow pipes, where it is overtaken by a spray of live steam passing to the cylinders, consequently the lubricator is *never unequalized* whether throttle of locomotive is opened or closed, thereby obviating the necessity of either external or internal equalizing tubes or a jet of steam passing over the top of the sight-feed glass, which being necessary in other machines to equalize the pressure when throttle is closed, also has the bad tendency to cause a perceptible spurting and increase of feed.

The "Michigan" has check valves at the top of sight-feed glasses provided with lifting stems whereby *the valves may be held off their seats* so glasses will fill *automatically* with water of condensation.

It is the first and only "locomotive" lubricator having drain valves at the bottom of the sight-feed glasses, which, operated in conjunction with the check lifting stems above mentioned, permit the engineer *at will to renew the water in the sight-feed glasses* or to renew, drain, clean or blow the glasses with live steam while the locomotive is running, and *without emptying the oil reservoir* of lubricator.

We also furnish this lubricator in *triple feed*, thus enabling the lubrication of both "locomotive" cylinder and "air pump" from the one cup, the principle admitting of quadruple or any number of feeds when specified.

Brass.

1 Pint	Each, $
1 Quart	"
½ Gallon (standard size)	"
Extra Glasses, Complete with Gaskets . . . . . Per Set	1 Pint, **$1 25**, 1 Quart, **$1 50**, ½ Gallon, **$1 75**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Directions for Applying and Operating

"Michigan" Double Sight-Feed Locomotive Lubricator.

(*Shown on page 886.*)

To Attach.

Remove valves from plugs over steam-chest, bolt angle iron to the front of the boiler inside the cab, and support the Lubricator at the lug, securing with lock-nut L. Screw globe valve into the boiler at steam pressure and connect a half-inch copper tube from it to Lubricator at Union P. Connect the tallow pipes of Locomotive to the oil discharge unions J. J.

To Fill and Operate.

Close Valves W and O O, and fill reservoir with carefully strained oil.

Open steam valve N slightly for boiler pressure, then open check valves S S so Sight-Feed Glasses will fill with condensation *automatically* the first time Cup is applied, then open valve W, and regulate feed of oil with valves O O, observing not to start the Cup until the Condenser and Sight-Feed Glasses are FULL of water, keeping tallow attachments C C, closed tight. After the Lubricator has operated a few minutes close stems S S which leave the automatic Check Valves free to close should glasses break

C C are independent tallow attachments (Auxiliary Oilers) to be used in case the Lubricator becomes disabled, and are operated same as old cab Oilers, with the throttle of engine closed.

When Lubricator is not in use it is best to leave valve N slightly open. To prevent freezing leave valves W G, O O and drains F F open.

To Drain and Renew Water of Condensation in Sight-Feed Glasses.

Close valves O O and open Drains F F and Check Valve Lifting Stems S S, then close Drains F F and wait for the Glasses to fill absolutely full so water will again float the Automatic Checks at the top of the Glasses, then close Stems S S and proceed to feed as before. The Sight-Feed Glasses are renewed at the top through Plugs R R.

Glasses for Locomotive Cylinder Lubricators.

Sight-Feed, 2¾ inches long by ¾ inch in diameter. Gauge Glasses 2¾ inches long by ¾ inch diameter.

(The above Glasses with special rubber gaskets furnished when ordered.)

Advantages and Superior Details

Unvarying Feed whether throttle of locomotive is open or closed.

Feeds its oil against *continuous* boiler pressure.

The spray of steam delivering oil to Cylinders comes direct from the boiler, and not in contact with the oil until it has actually entered the side pipes.

Continuous equalization whether throttle of Locomotive is opened or closed.

Freedom from external or internal equalizing tubes.

Means to hold Check Valves at the Top of Sight-Feed Glasses *off their seats* so Glasses will fill from condensation *automatically* first time Lubricator is applied, and at all times.

Drain Valves at the bottom of Sight-Feed Glasses, which operated in conjunction with Check Valves above mentioned, allow the engineer *at will* to empty and refill Sight-Feed Glasses without disturbing contents of any other part of Lubricator, and at any time to renew the Glasses with the same ease, thus completely satisfying the traditional "long felt want."

Convenient location of Auxiliary Oilers (Tallow Cups).

"Tip Up" Covers on Auxiliary Oilers, affording perfect protection from dust and cinders, which may be opened and closed with the spout of oil can, no covers to unscrew or get lost.

Interchangeable fiber seat in main drain valve, duplicates of which accompany each machine so that a new seat may be inserted by the engineer by simply loosening a screw and replacing a new one without the trouble of sending for a new drain valve or returning an old one to be refilled with fresh metal and reseated.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Standard" Boiler Oil Injector.

For Stationary Boilers.

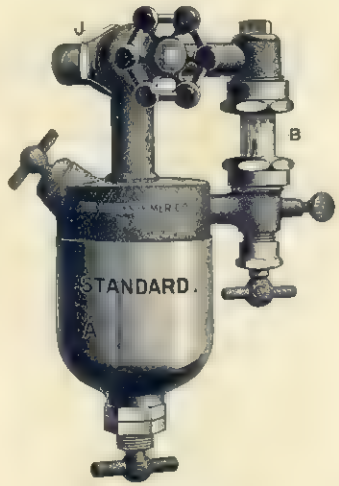


Fig. A-3093

Description.

A—Oil Reservoir.
B—Sight-Feed.
C—Oil Drop Regulating Valve.
D—Stop Valve.
E—Filling Plug.
F—Drain Valve
G—Sight-Feed Drain Valve.
H—Plug to Renew Sight Feed-Glass.
J—Union Connection.

The "Standard" Boiler Oil Injector is designed to be attached to the feed water pipe of steam boilers to feed boiler oil into the boiler, which effectually prevents the formation of scale, also preventing foaming, pitting and leaky joints. Many boiler explosions are caused by the weakening of the iron from strains due to unequal expansion. This unequal expansion is directly caused by the scale on the heating surface, also burning and blistering same. By accurate tests a scale $\frac{1}{32}$ of an inch requires 9 per cent more fuel, a scale $\frac{1}{16}$ of an inch 12 per cent, a scale $\frac{1}{8}$ of an inch 30 per cent and a scale $\frac{1}{4}$ of an inch 60 per cent, and as the scale thickens the ratio increases. Thus it will be seen, that by keeping the boiler clean and free from scale an enormous saving is effected. A good quality boiler oil will do the work no matter what kind of water is used. "Standard" Boiler Oil Injector has but one connection to the feed pipe, is simple and strong, and will be found a perfect machine for the purpose—visibly feeding drop by drop.

Directions.

Attach the injector to the feed water pipe, between the pump and the boiler or heater, but not to a vertical pipe in which the water flows downward at the point of connection. It is not necessary to attach the injector directly to the feed water pipe—an intermediate piece of vertical pipe leading up to the feed water pipe will not impair its working and always improves it. In some cases, especially where very heavy oil is used, it is best to attach it as stated above, as the extra length of pipe gives a greater hydrostatic pressure and thus forces the oil out of the cup. In attaching to a horizontal pipe always place injector below same, so that the oil can flow upward.

TO OPERATE.—Close stop valve and oil regulating valve and fill reservoir with boiler oil; then open stop valve and regulate feed of oil with oil regulating valve.

To REFILL.—Close stop and oil regulating valves, drain water from reservoir; then proceed as before.

If feeder is attached between pump and heater it will also keep heater clean.

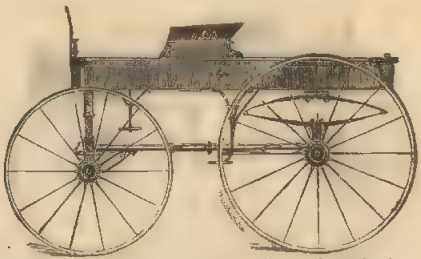
Price List.

Capacity	½ Pint	1 Pint	1 Quart	½ Gallon	1 Gallon	1½ Gallon	2 Gallon
Iron-Brass Trimmings . . . . . Each	. . . . .	. . . . .	. . . . .	$16 50	19 50	22 50	30 00
Brass, Partly Finished . . . . Each	$7 50	10 00	13 50	. . . . .	. . .	. . . . .	. . .

Reservoirs above one quart are of cast iron, and have lugs on body for bolting to place, smaller sizes have a brace-stud and lock-nut at lower end of oil chamber for this purpose.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

SPORTING WAGONS.



Our "Sporting Wagons" are light and handsomely finished, designed to be used as Pleasure Wagons, often taking the place of light carriages, for family use, and possessing all the qualities requisite to render them fit for all general business purposes usually found in spring wagons of corresponding weight and strength. Painted in dark carriage colors and finely ornamented.

Size No. 1.

Wheels, 3 feet 6 inches and 4 feet high; Hubs, 4½ by 7 inches; Tire, 1 by 5-16 inches; 1 inch solid collar axles, 2 springs, 1¼ inches wide, 4 leaves. Body, 5 feet 6 inches long, 3 feet wide, 6 inches deep, outside measure; made with hard wood inside frame, and smooth outside surface, bound on the edge with oval iron, front corners rounded, falling end gate, floor covered with oil carpet; Seat with leather cushion and fall, leather dash with whip socket; Shafts leathered and tipped. Track *wide*, 5 feet 1 inch, *narrow*, 4 feet 7 inches, out to out. Capacity, 500 lbs; weight, boxed, 425 lbs

Price, with one Cushioned Seat and Shafts, ... $115 00

Size No. 2.

Wheels, 3 feet 6 inches and 4 feet high; Hubs, 5 by 7 inches; Tire, 1¼ by 5-16 inches; 1¼ inch solid collar axles; 3 springs, 1¼ inches wide, 4 leaves in front, 3 behind; Body, 6 feet 6 inches long, 3 feet 3 inches wide, 8 inches deep, outside measure; made with hard wood inside frame, and smooth outside surface, bound on edge with oval iron, front corners rounded, falling end gate; floor covered with oil carpet; Seat with leather cushion and fall, leather dash with whip socket; Shafts leathered and tipped. Track *wide*, 5 feet 1 inch, *narrow*, 4 feet 7 inches, out to out. Capacity, 800 lbs; weight, boxed, 500 lbs.

Price, with one Cushioned Seat and Shafts, ... $120 00

Size No. 3.

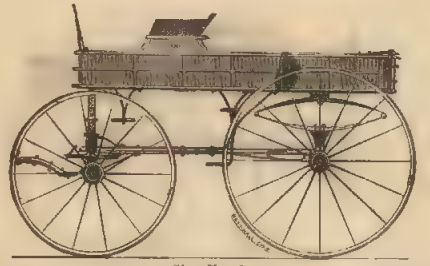
Wheels, 3 feet 6 inches and 4 feet high; Hubs, 5½ by 7½ inches; Tire, 1¾ by 5-16 inches; 1¼ inch solid collar axles, 3 springs, 1½ inch wide, 5 leaves in front, 4 behind; Body 7 feet 3 inches long, 3 feet 3 inches wide, 9 inches deep, outside measure, made with hard wood inside frame, and smooth outside surface, bound on edge with oval iron, front corners rounded, falling end gate, floor covered with oil carpet, shafts leathered and tipped. Track, *wide*, 5 feet 1 inch, *narrow*, 4 feet 7 inches, out to out. Capacity, 1,000 lbs; weight, boxed, 575 lbs.

Price, with one Cushioned Seat and Shafts, ... $125 00

EXTRAS.

Seat complete, with Cushions	$6 00	Sarven's Patent Wheels and Solid Collar Axles, to 1¼ inch,	$15 00
Seat complete, with Cushion & Lazy Back,	8 50	Patent Wheels, other than Sarven's, and Solid Collar Axles	10 00
Pole complete, with Neckyoke,	12 00	Plain Shaded Lettering, per foot,	30
Pole complete, without Shafts,	6 00	Gold Shaded Lettering, per foot,	75
Enamel Cloth Tops, common style,	30 00	Rubbers on Springs, per set,	5 00
Enamel Cloth Tops, sewing machine style,	35 00	Skeleton Boxing, to ship on railroad, net,	2 00
Rubber Cloth Tops, in any style,	40 00	Full Boxing, to ship on railroad, net,	5 00
Brakes,	7 00		
Jack's Patent Brake,	15 00		

SPRING WAGONS.



Size No. 1.

Wheels, 3 feet 6 inches and 4 feet high; Hubs, 4½ by 7 inches; Tire, 1 by 5-16 inches; Axles, 1 inch; 2 Springs, 1¼ inches wide, 4 leaves; 3 rail panel Body, 6 feet long, 3 feet 3 inches wide, 7 inches deep, outside measure; 2 Steps; top of Body bound with iron; falling end gate; Wood Dash with plated rail; Round corner frame bottom Seat, secured to body with hooks and loops, Width of Track, *wide*, 5 feet 1 inch, out to out; Width of Track, *narrow*, 4 feet 7 inches, out to out. Capacity 500 lbs.; weight, boxed, 425 lbs.

Price, with one Cushioned Seat and Shafts, ... $90 00

Size No. 2.

Wheels, 3 feet 6 inches and 4 feet high; Hubs, 5 by 7 inches; Tire 1¼ by 5-16 inches; Axles, 1¼ inches; 3 Springs 1¼ inches wide, 4 leaves in front, 3 leaves behind; 3 rail panel Body, 6 feet 9 inches long, 3 feet 3 inches wide, 9 inches deep, outside measure; 2 Steps; top of Body bound with iron; Round corner frame bottom Seat, secured to body with hooks and loops; Width of Track, *wide*, 5 feet 1 inch, out to out; Width of Track, *narrow*, 4 feet 7 inches, out to out. Capacity 800 lbs.; weight, boxed, 500 lbs.

Price, with one Cushioned Seat and Shafts, ... $95 00

Size No. 3.

Wheels, 3 feet 6 inches and 4 feet high; Hubs, 5½ by 7½ inches; Tire 1¼ by 5-16 inches; Axles, 1¼ inches; 3 Springs, 1½ inches wide, 5 leaves in front, 4 leaves behind; 3 rail panel Body, 7 feet 6 inches long, 3 feet 6 inches wide, 11 inches deep, outside measure; 2 steps; top of body bound with iron; falling end gate; Wood Dash with plated rail; Round corner frame bottom Seat, secured to body with hooks and loops. Width of Track, *wide*, 5 feet 1 inch, out to out; Width of Track, *narrow*, 4 feet 7 inches, out to out. Capacity 1,000 lbs.; weight, boxed, 575 lbs.

Price, with one Cushioned Seat and Shafts, ... $100 00

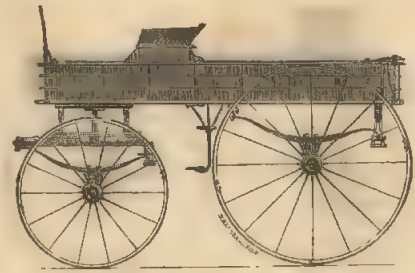
EXTRAS.

These prices refer to Wagons with one Cushioned Seat and Shafts only. When wanted otherwise, please observe list of Extras below

We make a plain body on any Spring Wagon, with hard wood, top and bottom rail bolted through a ⅛ poplar side, giving better opportunity for ornamental work or lettering, at same price as our regular paneled bodies.

Seat complete, with Cushion,	$5 00	Sarven's Patent Wheels and Solid Collar Axles, to 1¼ inches,	$15 00
Seat complete, with Cushion & Lazy Back,	7 50		
Pole complete, with Neckyoke,	10 00	Patent Wheels, other than Sarven's, and Solid Collar Axles,	10 00
Pole complete and no Shafts,	5 00		
Enamel Cloth Tops, common style,	30 00	Plain Shaded Lettering, per foot,	30
Enamel Cloth Tops, sewing machine style,	35 00	Gold Shaded Lettering, per foot,	75
Rubber Cloth Tops, in any style,	40 00	Rubbers on Springs,	5 00
Brakes,	7 00	Skeleton Boxing, to ship on railroad, net,	2 00
Jack's Patent Brake,	15 00	Full Boxing, to ship on railroad, net,	5 00

PLATFORM SPRING WAGONS.



Size No. 1.

Wheels, to cut under, 3 feet 2 inches and 4 feet 2 inches high; tread, 1¼ inches; Axles, 1¼ inches or under. If wheels are wanted not to cut under, they should be 3 feet 6 inches and 4 feet high. Springs, 1½ inches wide, 4 and 5 leaves; 4 rail panel body, 8 feet long, 3 feet 6 inches wide, 11 inches deep, outside measure, with either dash or footboard; falling end gate. Capacity, 1,000 lbs. With one Cushioned Seat and Shafts. Price, ... $150 00

Size No. 2.

Wheels, same height as No. 1; tread, 1⅜ inches; Axles, 1⅜ inches; Springs, 1¾ inches wide, 4 and 5 leaves, 4 rail panel body, 8 feet long, 3 feet 8 inches wide, 12 inches deep, outside measure, with either dash or footboard, falling end gate. Capacity, 1,300 lbs. With one Cushioned Seat and Shafts. Price, ... $175 00

Size No. 3.

Wheels, same height as No. 1; tread, 1½ inches; Axles, 1½ inches; Springs, 1¾ or 2 inches wide, 5 and 6 leaves; 4 rail panel body, 8 feet long, 3 feet 8 inches wide, 13 inches deep, outside measure, with either dash or footboard, falling end gate. Capacity, 1,600 lbs. With one Cushioned Seat and Shafts. Price, ... $200 00

Size No. 4.

Wheels, same height as No. 1; tread, 1⅝ inches; Axles, 1⅝ inches; Springs, 2 inches wide, 5 and 6 leaves, 4 rail panel body, 8 feet 6 inches long, 3 feet 8 inches wide, 14 inches deep, outside measure, with either dash or footboard; Shafts or Pole as desired; one Cushioned Seat. Capacity, 2,000 lbs. Price, ... $225 00

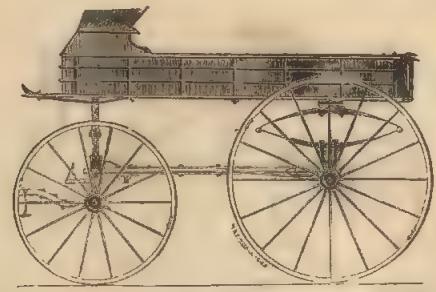
Size No. 5.

Wheels, 1⅝ to 1¾ inch tread. Axles, 1¾ inch; Springs, 2 or 2½ inch, 6 and 7 leaves; 4 rail panel body, 9 to 10 feet long, 3 feet 8 inches wide, 14 to 16 inches deep, all outside measure, with dash or footboard as desired. With one Cushioned Seat, Pole and Brake. Capacity, 2,500 lbs. Price, ... $275 00

EXTRAS.

Lash Boards, on sizes 1 to 4 inclusive,	$10 00	Old's Patent Wheels, per set, 1¼ to 1½ inches,	$10 00 to 20 00
Single Side Brake,	7 00	Royer Combination Wheels, per set, 1¼ to 1½ inches,	$10 00 to 20 00
Jack's Patent Brake,	$15 00 to 20 00	Other sizes larger than 1½ inches, Sarven's Wheels, according to size, per set,	$25 00 to 50 00
Double Brake, with two revolving rods and connections both sides of body,	15 00	Plain Shaded Lettering, per foot,	30
Leather Strap, for tail gate,	3 00	Gold Shaded Lettering, per foot,	75
Sarven's Patent Wheels, per set, 1¼ to 1½ inches,	$15 00 to 25 00		

EXPRESS WAGONS.



Size No. 1. (No. 4 in Catalogue No. 11.)

Wheels, 3 feet 2 inches and 4 feet high; Hubs, 5¾ by 8 inches; Tire, 1¾ by 7-16 inches; Axles, 1⅛ inches; 3 Springs, 1¾ inches wide, 6 leaves in front, 5 leaves behind; 4 rail panel Body, 8 feet long, 3 feet 8 inches wide, 12 inches deep, outside measure; top bound in iron; falling end gate; steps on shafts or body; made with dash or footboard as desired; round corner frame bottom adjustable seat, with cushion; track, *wide*, 5 feet 1 inch, out to out; *narrow*, 4 feet 7 inches, out to out. Capacity 1,500 lbs.; weight, boxed, 700 lbs.

Price, with one Cushioned Seat and Shafts, - - - - - - - - $130 00

Size No. 2. (No. 5 in Catalogue No. 11.)

Wheels, 3 feet 2 inches and 4 feet high; Hubs, 6 by 8½ inches; Tire, 1½ by ⅝ inches; Axles, 1⅛ inches, 3 Springs, 1¾ inches wide, 7 leaves in front, 6 eaves behind; four rail panel body, 8 feet 3 inches long, 3 feet 8 inches wide, 13 inches deep, outside measure; top bound in iron; falling end gate; steps on shafts or body; made with dash or foot board as desired; round corner frame bottom adjustable seat, with cushion, track, *wide*, 5 feet 1 inch, out to out; *narrow*, 4 feet 7 inches, out to out. Capacity 2,000 lbs; weight, boxed, 850 lbs.

Price, with one Cushioned Seat and Shafts, - - - - - - - - - $150 00

Size No. 3. (No. 6 in Catalogue No. 11)

Wheels, 3 feet 2 inches and 4 feet high; Hubs, 6½ by 9 inches; Tire, 1⅝ by ⅝ in.; Axles, 1⅛ in.; 3 Springs, 2 inches wide, 8 leaves in front, 7 leaves behind; 4 rail panel body, 8 feet 6 inches long, 3 feet 8 inches wide, 14 inches deep outside measure; top bound in iron; falling end gate; steps on shafts or body; made with dash or footboard as desired; round corner frame bottom seat, with cushion; track, *wide*, 5 feet one inch, out to out; *narrow*,, 4 feet 7 inches, out to out. Capacity 2,500 lbs; weight, boxed, 1,000 lbs.

Price, with one Cushioned Seat and Shafts, - - - - - - - - $175 00

EXTRAS.

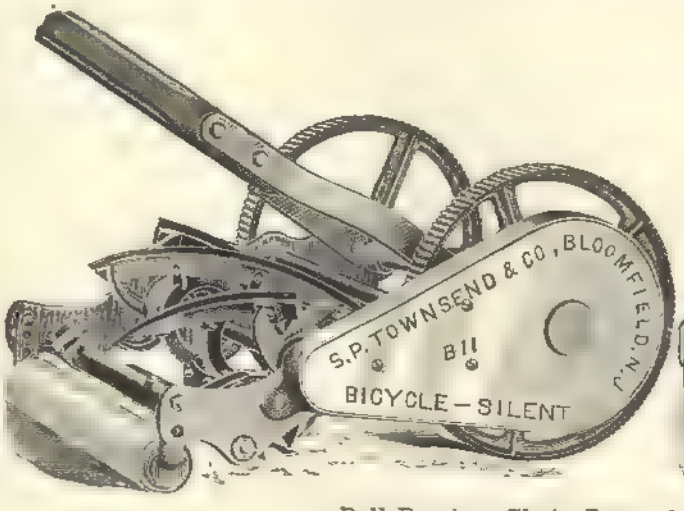
Lash Boards, on either size,	$10 00	Sarven's Patent Wheels, for No. 1,	$25 00
Seat complete, with Cushion,	5 00	" " " " 2,	30 00
Seat complete, with Cushion & Lazy Back,	7 50	" " " " 3,	35 00
Pole complete, with Neckyoke,	10 00	Other Patent Wheels, for No. 1,	20 00
Pole complete, without Shafts,	5 00	" " " " 2,	25 00
Enamel Cloth Tops,	30 00	" " " " 3,	30 00
Rubber Cloth Tops,	40 00	Plain Shaded Lettering, per foot,	30
Brake,	7 00	Gold Shaded Lettering, per foot,	75
Jack's Patent Brake,	15 00	Skeleton Boxing, to ship on railroad, net,	2 00
		Full Boxing, to ship on rail-road, net,	5 00

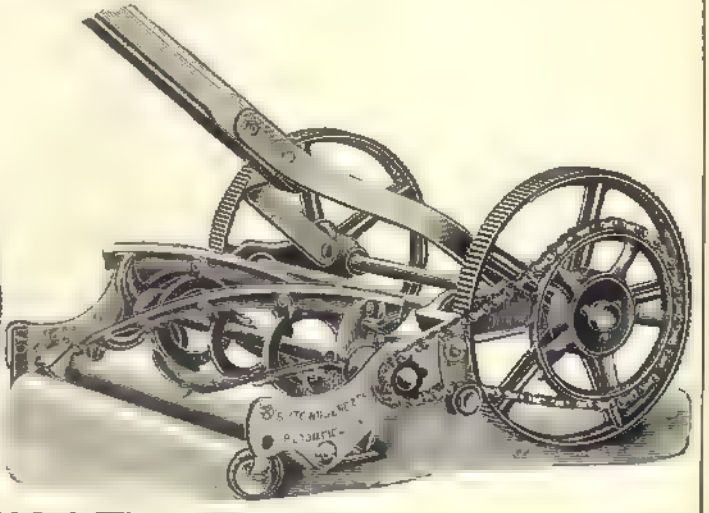
LAWN MOWERS.

CHAMPION PONY OR TWO MAN.

30 in., Champion, 10 in driving wheels, 6⅛ in open cylinder, weight boxed 100 lbs., - - - each $30.00

TOWNSEND'S BICYCLE-SILENT.





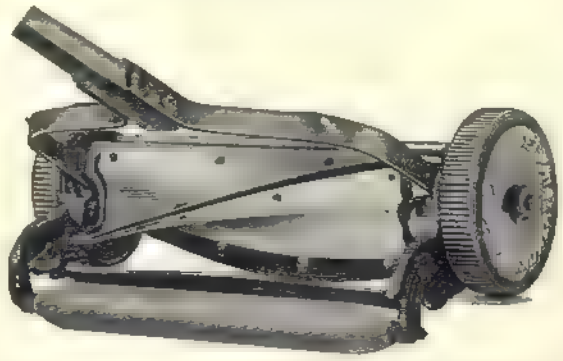
Ball Bearing, Chain Drive, 10 Inch Wheels, Five Blades.

Cut, inches, - - -	16	18	20	22	24
Each - - - - -	$22.00	24.00	26 00	28 00	30.00

Ball bearings greatly reduce the friction and render it possible to use a much wider machine than with parallel bearings. Solid rectangular frame that cannot be twisted or jarred out of parallel and can be readily taken apart. The cutter can be taken apart without disturbing the frame. The cutter bar is very rigid, owing to its tubular shape and being separate from the frame, enables one to adjust the lower blade to the reel without twisting the frame out of parallel. Micrometer adjustment for cones and ball cups. The substitution of a fine grade bicycle chain and sprocket wheels as a transmitter of power instead of the ordinary cast gears, is a splendid improvement. Actual tests show that it runs with less friction and is nearly noiseless. The ends of the knives project beyond the wheels, enabling the user to cut clear up to posts, fences and narrow borders. It is narrower than other mowers cutting the same width, and consequently will cut in narrower places and around borders where other mowers fail entirely.

PHILADELPHIA LAWN MOWERS.

STYLE M.

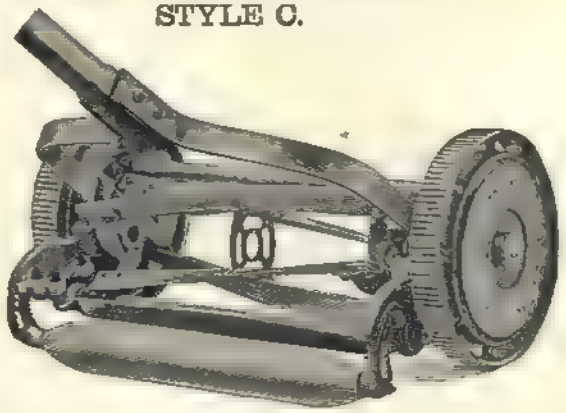


Three Blades, Solid Cylinder, 7 Inch Driving Wheels.

Cut, inches,	14	16	18
Weight, pounds,	36	38	44
Each	$17.00	19.00	21.00

ONE IN A CASE.

STYLE C.

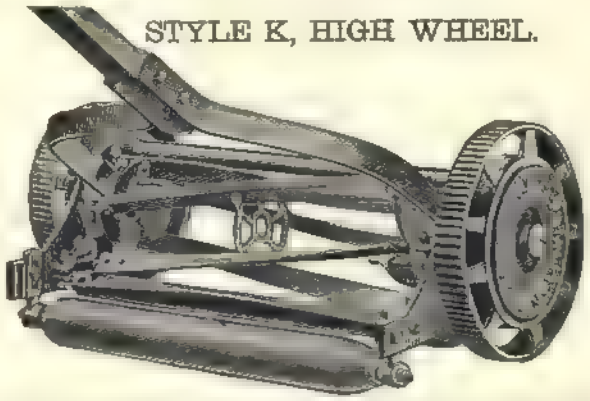


Four Blades, Open Cylinder, 8½ Inch Driving Wheels.

Cut, inches,	14	16	18	20
Weight, pounds,	36	40	42	44
Each	$17.00	19.00	21.00	23.00

ONE IN A CASE.

STYLE K, HIGH WHEEL.



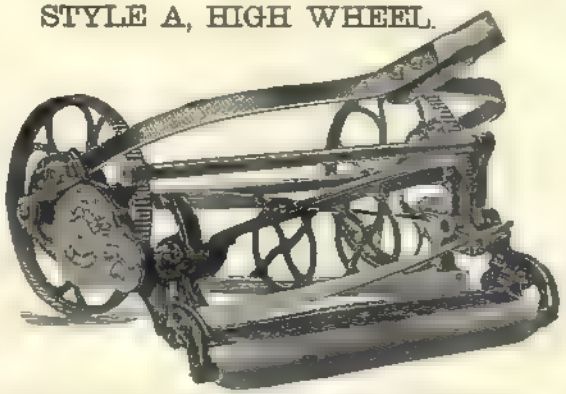
Five Blades, Open Cylinder, 10 Inch Driving Wheels.

Cut, inches,	14	16	18	20
Weight, pounds,	45	48	51	54
Each	$20.00	22.00	24.00	26.00

In this five blade, high wheel, open wiper, single p nion mower the fifth knife insures fine work. It is made in correct proportions, embody ing the principles of other Philadelph a mowers; runs light and smooth, and will cut as high grass as any mower made.

ONE IN A CASE.

STYLE A, HIGH WHEEL.



Four Blades, 6½ Inch, Open Cylinder, 10 Inch Driving Wheels.

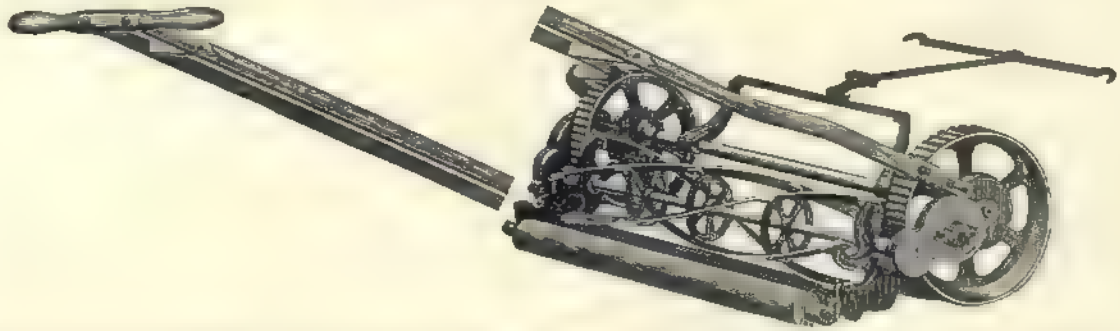
Cut, inches,	15	17	19	21
Weight, pounds,	40	42	44	46
Each	$25 00	28.00	31.00	34.00

Constructed of steel throughout, is reduced in weight one half The style is different from others, it having a train of three gears instead of single pinion gear.

ONE IN A CASE.

PENNSYLVANIA LAWN MOWERS.

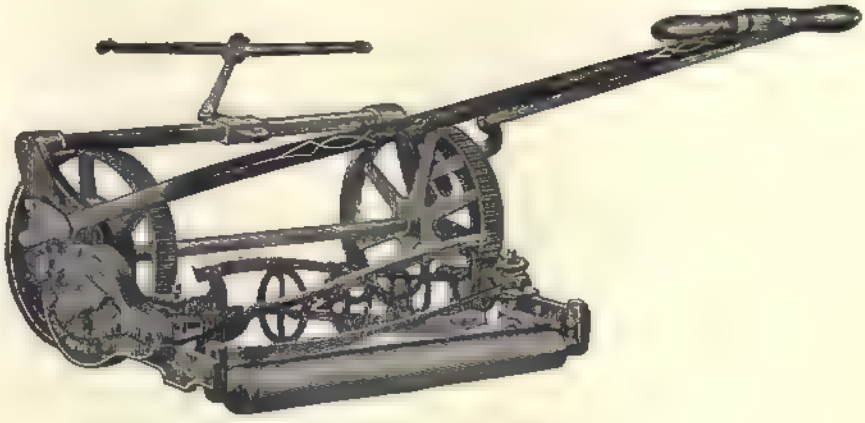
PONY OR TWO MAN.



25 in. Cut, large open cylinder, rear cut, Enos bed plate, yielding bed knife, self-sharpening, shifting clutch for throwing out of gear, brass boxes, long bearings, complete with hand.e and draft irons, weight 110 lbs., each $50 00

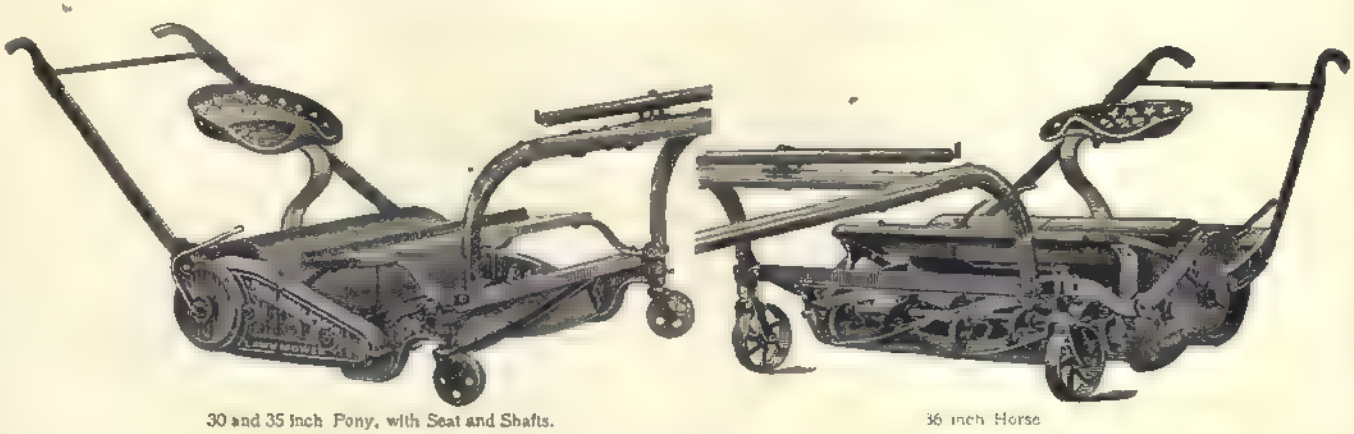
LAWN MOWERS.

PHILADELPHIA, PONY OR TWO MAN.



25 in., Philadelphia, 11¾ in. driving wheels, 6⅝ in. open cylinder, weight 115 lbs., · · · each $50.00

PHILADELPHIA PONY AND HORSE.



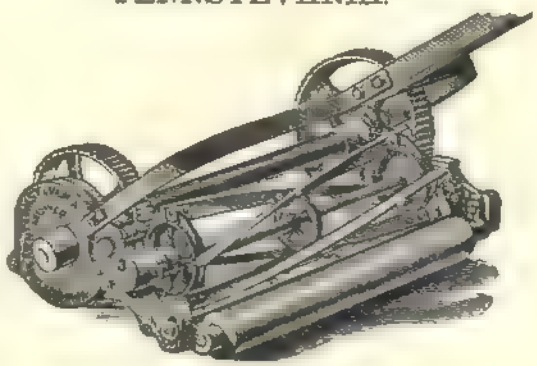
30 and 35 inch Pony, with Seat and Shafts. 36 inch Horse

30 in. pony lawn mower, four knife open or closed cylinder, with draft rod, weight 350 lbs., · · each $100 00
30 in. pony lawn mower, four-knife open or closed cylinder, with seat and shafts, weight 350 lbs., · " 120.00
35 in. pony lawn mower, four-knife open or closed cylinder, with seat and shafts, weight 400 lbs., · " 140.00
36 in. horse lawn mower, open cylinder only, with seat and shafts, weight 450 lbs., · · · " 160 00

We do not keep horse or pony mowers in stock, and take orders only for factory shipment. In ordering state whether open or closed cylinder is wanted

LAWN MOWERS AND ATTACHMENTS.

PENNSYLVANIA.

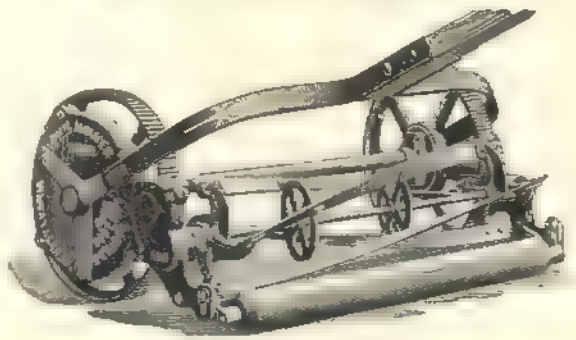


8 Inch Driving Wheels.

Cut, inches,	14	16	18
Each	$17.00	19.00	21.00

ONE IN A CASE.

PENNSYLVANIA HIGH WHEEL.

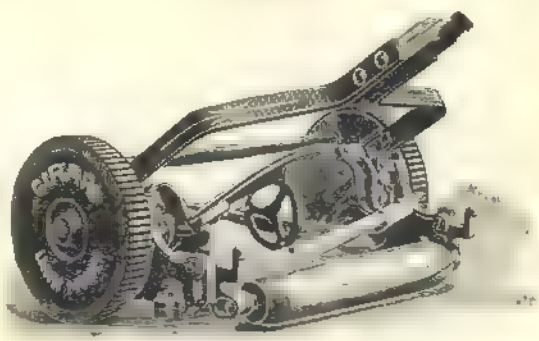


10½ Inch Driving Wheels.

Cut, inches,	15	17	19	21
Each	$25.00	28 00	31.00	34.00

ONE IN A CASE

GIRARD.

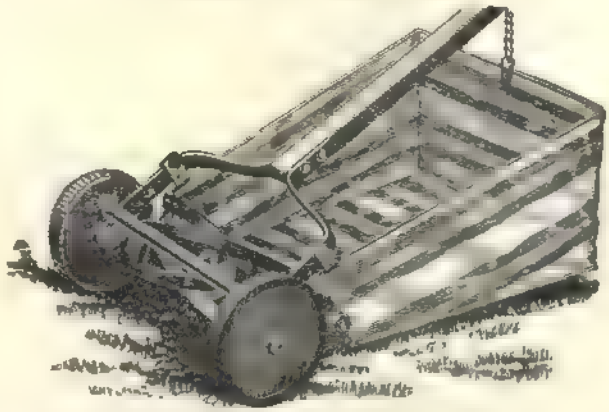


Rear Cut, Incased Gear.

Cut, inches,	14	16
Each	$17.00	19.00

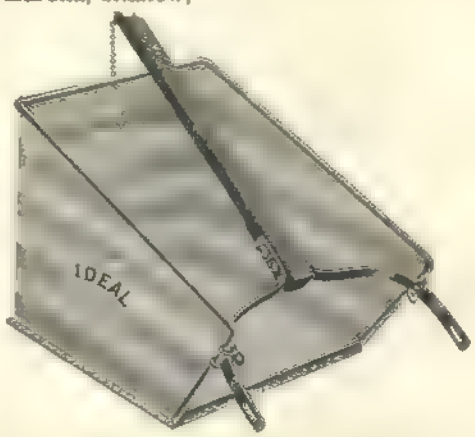
ONE IN A CASE

GRASS COLLECTORS.



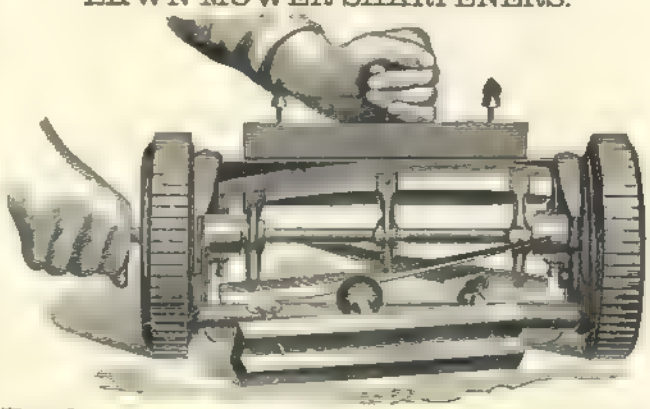
Adjustable to Any Size or Make of Mower.

No. 1–Bieder's, standard size, - per doz. $13.00
No. 2 Bieder's, for high wheel mowers, " 19 00
No. 3–Eureka, shallow, - - - " 9.00



No. 4 Ideal, galvanized iron bottom, adjustable for 12 to 20 in. mowers, length 20 in., two malleable iron clamps, easily attached and detached, - - - - per doz. $24.00

LAWN MOWER SHARPENERS.



Eureka, - - - - - per doz. $16.00

Consists of an angle bar of wood, having a special made emery bar, ¾ × ¼ × 10 in., or other grinding material attached to lower portion of angle bar, with two set screws for adjusting to all or different thicknesses of shear plates; a turned wood handle for the holding of sharpener in position while grinding.

ONE IN A BOX.

Toy Banks.

No. 3232

No. 3232—Dog Toy Banks. Bronzed Iron. Per Doz. $

QUARTER DOZEN IN A BOX.

Mason.

No. 350

Santa Claus.

No. 900

No. 350 Mason Toy Banks. Highly Finished in Brilliant Colors. 7 x 7½ in., . Per Dozen $6

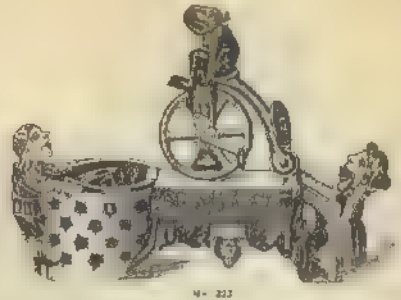
The comical appearing Hod carrier receives the mason's load, throws it forward, depositing it in the bank. The Mason raises his arm, takes a brick, which he lays, moving forward and back.

No. 900 Santa Claus Toy Banks. Highly Finished in Brilliant Colors. 6 x 4 in. . . Per Dozen $

The Coin is placed in hand of Santa Claus. When thumb piece is pressed upon, he deposits it in top of chimney. Trap door in chimney prevents coin from being shaken out.

ONE-TWELFTH DOZEN IN A BOX.

Toy Banks.



No. 223

No. 323—Bicycle Toy Banks, Fancy Colors, 11x5x4½ in., ... Per Dozen, $

[illegible] the [illegible] [illegible] [illegible]

Toy Banks.

House

No. 10

Circus.

No. 500

No. 10 Japanned Toy House Banks, [illegible] Per Dozen $
" 500 Circus Toy Banks, Highly Finished in Assorted Colors, [illegible]

The coin is placed on the platform of the monkey wagon. When the crank is turned the pony goes around the ring and the monkey jumps over the bar. The party on the top of the wheels turns and the monkey's arm moves up and down, making it a very amusing toy.

No. 10, One Dozen, No. 500, One-Twelfth Dozen in a Box.

Trick Dog.

No. 900.

Jonah and Whale.

No. 1000.

No. 900—Trick Dog Toy Banks, Highly Finished in Brilliant Colors, [illegible] Per Dozen, $

The coin is placed on the dog's back. When the thumb piece is pressed upon the dog jumps through hoop held by clown and deposits the coin in top of barrel. The door at the rear prevents coin from being shaken out.

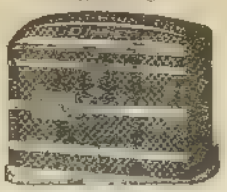
No. 1000—Jonah and Whale Toy Banks, Highly Finished in Brilliant Colors, [illegible] Per Dozen $

The coin is placed on the rock. When the thumb piece is pressed upon the figure holding Jonah rushes forward, the mouth of the whale opens wide and Jonah and the coin disappear in the whale's mouth. The coin is deposited, and Jonah is seen back ready to receive another. The lower jaw of the whale is pivoted so that it keeps working for some time after the coin is deposited.

One-Twelfth Dozen in a Box.

Toy Banks.

Registering.

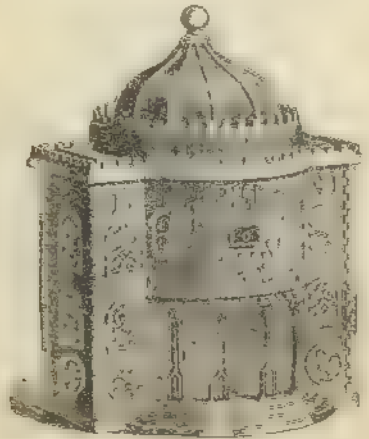


No. 901 Cent Registering Toy Banks, Nickel Plated, [illegible] Per Dozen, $
" 905— Nickel " " " [illegible]
" 910— Dime " " " [illegible]

Coins can be deposited without being registered, and money cannot be removed until the required amount has been deposited.

The 5¢ coin locks door, which cannot be locked in any other manner and cannot be opened until full amount has been deposited, when it will open automatically.

The Cent Bank opens at $1.00, the Nickel at $5.00, and the Dime at $10.00.



No. 126 Registering 5 and 10 cent Toy Bank, [illegible] Per Dozen, $
" 0126— " 5 and 10 cents " Nickel Plated 7x6x4½ in., "

This Bank has the great advantage over other banks of being able to register 5 cents as well as 10 cents. When the required 10 cents coin make the total amount of $5.00 is deposited the door of the bank falls out and the depositor reaps his reward.

*One Twelfth Dozen in a Box

Powder Flasks.

No. 1

No. 1½

No. 1 2-oz. Common Spring Top
" 1½ 4 oz. " " " "
" " " " " Per Dozen, $

Half Dozen in a Box

No. 12

No. 18

No. 18 5 oz. Common Spring Top,
" 19 4 oz. Patent Flexible Spring Top, " " Per Dozen $

Half Dozen in a Box.

Powder Flasks.

No. 42—10 oz., Patent Inside Spring Top. Per Dozen [illegible]

[illegible] DOZEN IN A BOX

No. 43 [illegible] Spring Top [illegible]
" 44 [illegible] oz. Patent Inside Spring Top [illegible]

HALF DOZEN IN A BOX

No. 45
Per Dozen, [illegible]

Shot Pouches.

No. 4006

No. 4006—2½ lbs., Dead Game Pattern. Russet Leather, Brass Irish Charger, . . . Per Dozen $

Half Dozen in a Box

No. 4071

No. 4070

No. 4077—2½ lbs., Plain Pattern. Russet Leather, Brass Lever Charger, . . . Per Dozen $
" 4070—2½ lbs., Dog and Tree Pattern. Russet Leather, Brass Lever Charger,

Half Dozen in a Box

Shot Belts.

No. 690.

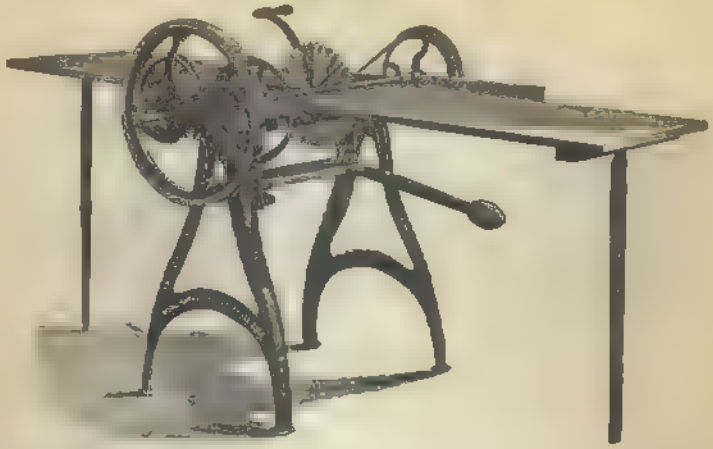
No. 695.

No. 690—Single Straight English Pattern, Russet Sheep Skin, Brass Irish Charger, - Per Dozen, $
" 695—Double " " " Chargers, - "

Sold Dozen or a Set.

Hand Circular Rip Saws.

Barnes'



No 125—Barnes' Hand Circular Rip Saw Weight 190 lbs, ... Each, $

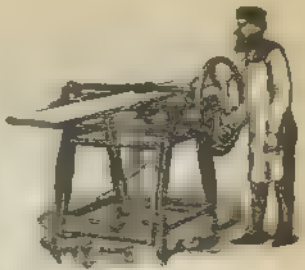
This Machine will rip boards, planks and scantling of any width from [illegible] to 8½ inches and of any thickness from [illegible] to 3 inches, as rapidly as possible, take [illegible] Rip Saw mounted and [illegible] for space and [illegible] Cast Iron and Iron [illegible] Feed Rolls which feed the Stock to the Saw [illegible] Feed can be made slow or fast, [illegible] Rolls [illegible] Table [illegible] Rolls [illegible] Table [illegible] Rolls [illegible] Adjusting to thickness [illegible] Capacity [illegible] this Machine an operator will [illegible] boards [illegible] per hour.

The above Cut shows the Hand-power Rip Saw with the Front Table placed directly over the Saw. The Table [illegible] adjusting [illegible] and can be [illegible] Hand Screw [illegible] depth [illegible] Saw [illegible] varying [illegible] and [illegible] Saws [illegible] Saw and Arbor [illegible] extra Saw for this purpose with each Machine. The Saws are 10 inches in diameter.

Combined Hand Sawing Machines.

E. P. B.

Cut No. 1



Cut No. 2

No. 100 E. P. B. Hand Sawing Machine with Two Tables, One 10 in. Cross Cut Saw and One 10 in. Rip Saw . . . . . Each $

Plow or Grooving Cutter ⅛, ¼, ⅜ or ½ extra, ... "

Cut No. 1 shows the Machine Complete, with Extra Table and Gauges, for Cross Cutting, Mitering and Rabbeting.

Cut No. 2 shows the Machine arranged for Ripping or Plowing. This Machine is adapted for the use of carpenters, cabinet makers, and to all wood workers.

The Saw is arranged to cut with the grain of the wood. The lumber is prevented from crowding the Saw by a Check Rail.

With this Machine one man can saw from a 2 in. hardwood, or a 3 in. soft wood plank. The Machine feeds the lumber to the Saw at each turn of the Crank from ¼ to 1½ in., according to the Feed Cam used, there being three changes. Any inexperienced man or boy can easily operate it.

The Bed, Frame and Running Parts are of Iron, the Saw Arbor is Steel, having such an adjustment as will take Saws with two Bearings each 3½ in. long.

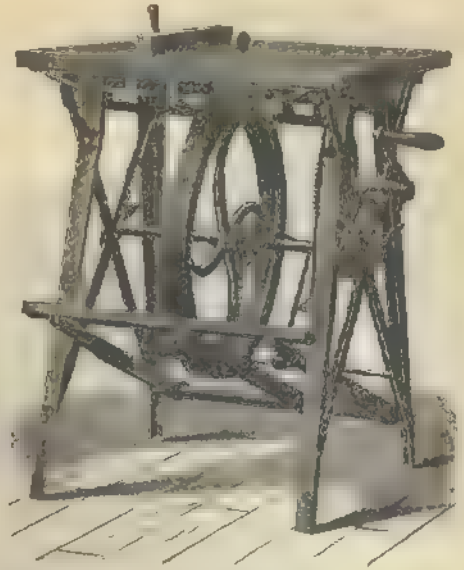
The Top of Table (Iron and grooved on both sides by eights from each edge) the gauges for Ripping and Plowing can be instantly set square with the Saw Blade.

There is a positive Self Feed for both Ripping and Plowing.

The Extra Table is constructed with Gauges for Mitering, Rabbeting and Cross Cutting.

Combined Hand Sawing Machines.

Barnes' Improved.



No. 150 Barnes' Combined Circular Scroll Saw and Boring Attachment, including 1 Circular Saw, 12 Assorted Scroll Saws, the Boring Attachment with Self-Centering Jaw Chuck, all combined in one Machine, ... Each, $

" **150A** Barnes' Combined Circular Saw and Scroll Saw Machine, including 3 Circular Saws and 12 Assorted Scroll Saws. . . . . "

" **150B** Barnes' Circular Saw Machine, including 3 Circular Saws, Rip and Cross Cut . . . . "

" **150C** – Barnes' Scroll Saw Machine, including 12 Assorted Scroll Saws, ... "

For light ripping, cutting to angle, cutting tenons, drawers and box work, etc., the Circular Saw of the combined machine is invaluable.

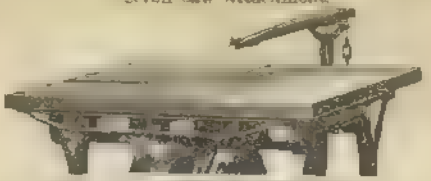
The Circular Saw, which is remaining on the Mandrel, can be taken [illegible] out of the way, when the Scroll Saw is to be [illegible] by simply [illegible] the bearings of the Saw Mandrel so as to enable it to be operated to take the whole Mandrel and Saw from the machine in an instant.

All pieces of [illegible] work can be [illegible] by the Table, which can be [illegible] up or down by a cam [illegible] for the purpose of [illegible] Saws or Cutter Tools. The Circular Saws are 6 in. in diameter, each [illegible] above the table. A [illegible] saw can be used if desired.

Rubber Wheels of size up to 1 in. face by 6 in. diameter can be used to good advantage on this machine.

Combined Sawing Machine Attachments

Scroll Saw Attachment.



Scroll Saw Attachments for Combined Machines [illegible] Each $
The Cut of Combined Machine on Page 401 shows the Circular Saw only. The above Cut represents a section of the Machine, showing the Scroll Saw Attachment

Boring Attachment.

Boring Attachment for Combined Machines, including a Self-Centering Drill Chuck, [illegible] Each $

Cutter Heads

No. 1—Cutter Heads, Widths, ⅛, ¼, ⅜, ½, ⅝, ¾, $10 [illegible]

No. 3. Cutter Heads, Widths, ½, ⅝, 1, 1¼, 1½, ¾ [illegible] Including 1 set of Straight Knives, Each $

These [illegible] Saw Mandrel of the combined Machine for cutting grooves, [illegible] rabbets, etc., joints for boxes, drawers, etc. No. [illegible] can be used in [illegible] grains, dadoes, [illegible] better [illegible] work than saws. They are used by [illegible] to make windows and [illegible] sashes.

The above cut shows the Table of the Combined Machine, arranged with a [illegible] Head, [illegible] stone, and [illegible] groove stuff for frames, boxes, drawers, etc. A thin board, [illegible] is placed on the [illegible] rib is [illegible] width of the [illegible] grooves. [illegible] Cutters are used, a board with corresponding rib can be made for each

Lawn Mowers.

Chic King Improved

Inches	12	14	16
Each	$		

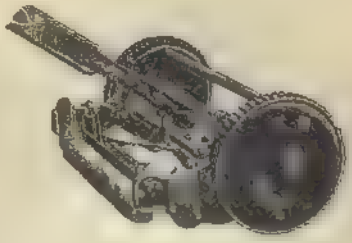
Chic Mower [illegible] Philadelphia Mower [illegible]

Chieftain, Improved

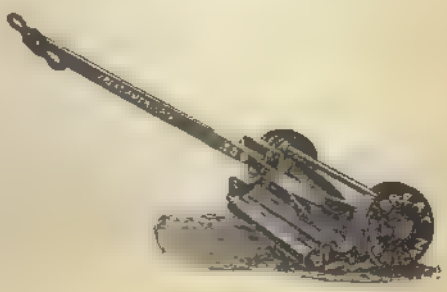
Inches	12	14	16
Each	$		

Lawn Mowers.

T B



	12	14	16



	12	14	16

Mowers Guaranteed Ridge

Lawn Mowers.

Plymouth

High Wheel

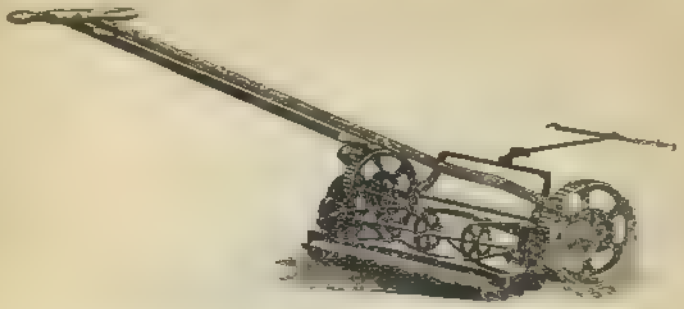
Inches Each	15	17	19	21

Continental

High Wheel

Inches Each	15	17	19	21

Pony or Two Man Lawn Mowers.



Pony or Two Man Lawn Mowers, 26 in. Cut. Weight 110 lbs., Each $

The Mower can be used with ponies and will [illegible] the Mower or one man to pull and a boy to guide. There is a great advantage in using a wide cut Lawn Mower [illegible] used by a man and a boy [illegible] when the ground is [illegible] a pony with man or boy to guide. This Mower is made on the best principles of Steel Shearing [illegible] as Patented [illegible] Shearing [illegible] can be driven [illegible] gear wheels and ring [illegible] Roller Bearings [illegible] The Mower is made with Steel Knives and Bed [illegible] Knives high [illegible] with extra long [illegible] mechanically well made and in every way the most desirable Mower ever placed before the public.

Lawn Rollers.

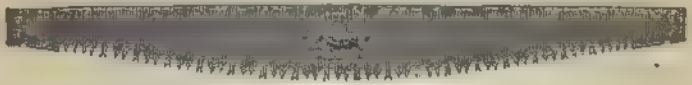
No. 1—Double Roller, 24 in. Wide, 20 in. Diameter, Weight 220 lbs. Each $
" 2—Single " 18 in. " 20 in. " " 140 lbs. "
" 3— " 12 in. " 20 in. " " 110 lbs. "

Cross Cut Saws.

Disston's Champion Tooth.

No. 1—Disston's Champion, Extra Thin Back, Feet, 5, 5½, 6, 6½ . . Per Foot, $

National Saw Co.'s Champion Tooth



No. 11—National Saw Co.'s Champion, Extra Thin Back. Feet, 5, 5½, 6, 6½ Per Foot $

Disston's Narrow Champion.

No. 4—Disston's Narrow Champion complete with Climax Handles. Feet, 5, 5½, 6, 6½ . Per Foot $

National Saw Co.'s Narrow Champion.

No. 14—National Saw Co.'s Narrow Champion, complete with Handles, Feet 5, 5½, 6, 6½ . Per Foot, $

Alligator Chisel Bit Circular Saws.

Diameter	Thickness	Size of Hole	Back	Usual No. of Teeth	Greatest No. of Teeth that can be put in Saw	No. of Bits Given with each Saw	No. of Bit Holders Given with each Saw
12 In.	11 Gauge	1 in.		12	18	100	2
14 "	11 "	1 "		12	18	100	2
16 "	10 "	1 "		16	20	100	2
18 "	10 "	1 "		16	22	100	2
20 "	9 "	1 "		18	24	100	2
22 "	1/8 "	1 "		18	24	100	2
24 "	1/8 "	1 "		18	24	100	2
26 "	10 "	1 "		18	26	100	2
28 "	10 "	1 "		16 to 20	28	100	2
30 "	9 "	1 "		16 to 20	30	150	3
32 "	9 "	1 "		16 to 22	32	50	3
34 "	8 "	1 "		16 " 22	34	150	3
36 "	8 "	1 "		18 to 24	36	150	3
38 "	7 "	1 "		18 to 24	38	50	3
40 "	7 "	1 "		18 to 26	40	200	4
42 "	7 "	1 "		18 to 28	42	200	4
44 "	6 "	1 "		18 to 28	44	200	4
46 "	6 "	1 "		20 to 28	46	200	4
48 "	6 "	1 "		20 to 28	48	200	4
50 "	5 "	1 "		24 to 28	44	200	4
52 "	5 "	1 "		24 to 28	46	200	4
54 "	5 "	1 "		24 to 30	45	250	4
56 "	5 "	1 "		24 to 32	50	250	4
58 "	4 "	1 "		28 to 34	52	250	4
60 "	4 "	1 "		28 to 36	54	250	4
62 "	4 "	1 "		30 to 38	56	250	4
64 "	4 "	1 "		36 to 40	55	300	4
66 "	3 "	1 "		36 to 44	60		
68 "	3 "	1 "		40 to 44	62	300	5
70 "	3 "	1 "		40 to 45	64	300	5
72 "	3 "	1 "		44 to 48	66	300	5
74 "	3 "	1 "		48 to 52	68	300	5
76 "	3 "	1 "		48 to 52	70	300	5

Each additional Tooth inserted $1.50 extra. Chisel Bits Per Hundred, $4.00.

Double Taw the Handles can be $1.50. All Saws made to have 4 Saws at $1.50 per Tooth. This includes putting the saw in the working order the same as Saws with Bits. Saws one gauge heavier than list no extra charge. Saws beveled one gauge, no extra charge.

Cross Cut Saw Handles

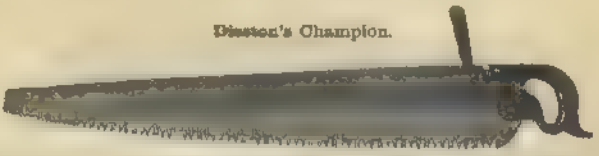
Perfection

No. 12

No. 12.—Perfection Cross Cut Saw Handles. . . . . Per Dozen Pairs, 4

One Man Cross Cut Saws.

Diston's Champion.



No. 8—Diston's Champion, with Supplementary Handle,	Feet,	3½	4	4½	5
	Each	$			

THREE SAWS IN A PACKAGE.

National Saw Co.'s Champion

No. 18—National Saw Co.'s Champion, with Supplementary Handle,	Feet,	3½	4	4½	5
	Each				

SIX SAWS IN A BOX.

Cross Cut Saw Handles

Climax. Loop. N. S. C.'s.

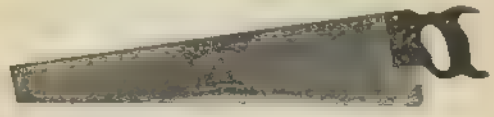
No. 1. No. 3. No. 4.

No. 2—	Diston's Climax Cross Cut Saw Handles,	Per Dozen Pairs,
" 7—	[illegible]	" "
" 5—	National Saw Co.'s Cross Cut Saw Handles	" "
" 10—	Supplementary Handles for One Man Saws,	Per Single Dozen,

Hand Saws.

No. 61 [illegible], Pride of the Road, Hand, Cast Steel, Beech Handle, Polished Edge [illegible] Screws, Set and Sharpened [illegible] Per Dozen

HALF DOZEN IN A BOX. 6, 7, 8 AND 9 POINTS TO THE INCH.



No. 70—26 [illegible] Extra Length and Width, Finished Rose Cast Steel, Beech Handle, Polished Edge, 3 Brass Screws, Set and Sharpened, [illegible] Per Dozen, $

HALF DOZEN IN A BOX. 6, 7, 8 AND 9 POINTS TO THE INCH.

No. 65—24 [illegible] Hand, Cast Steel, Black Walnut Handle, Steel Plate, 3 Iron Screws, Set and Sharpened, [illegible] Per Dozen, $

HALF DOZEN IN A BOX. 6, 7, 8 AND 9 POINTS TO THE INCH.

No. 90 26 [illegible] Hand [illegible] Handle, Imitation Ivory Metallic Screws, Set and Sharpened, [illegible] Per Dozen, $

ONE [illegible] IN A BOX. [illegible] POINTS TO THE INCH.

Pacific Queen Sewing Machine.

Fig. A 3999

Swing Desk Cabinet (Closed).

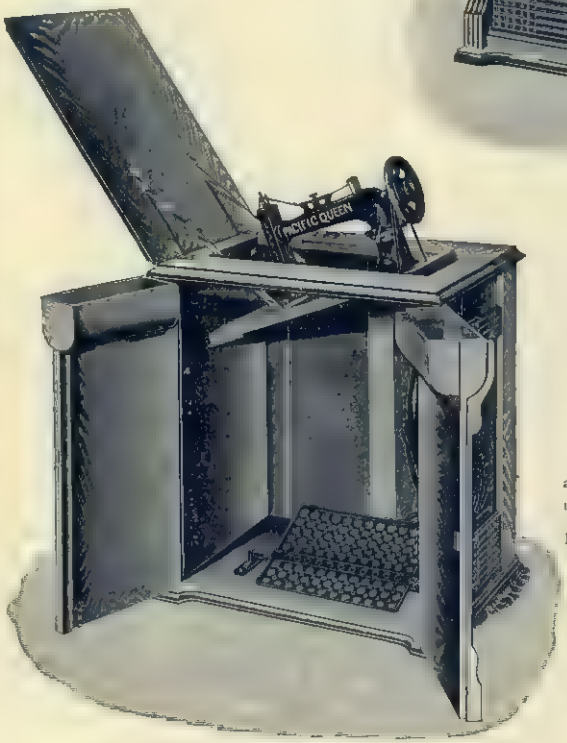


Fig. A 3990

Swing Desk Cabinet (Open).

Furnished in Oak, Walnut or Sycamore. Price and quality considered, this is the cheapest desk cabinet ever offered

Each **$90 00**

Pacific Queen and Eldredge Sewing Machine.

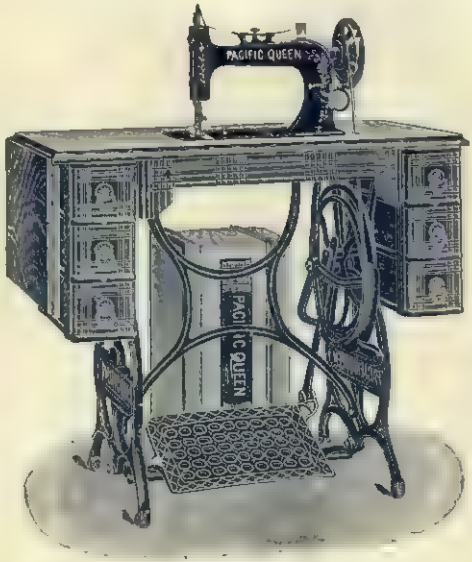


Fig. A-1002
Style of No. 5.

No. 3.	Extra Finish, 3 Drawers, Oak or Walnut	Each.	$55 00
No. 4.	Extra Finish, 5 Drawers, Oak or Walnut	"	60 00
No. 5.	Extra Finish, 7 Drawers; Oak or Walnut	"	65 00

Attachments furnished with the Pacific Queen and Eldredge Sewing Machine are made entirely of steel and are nickel plated.

Pacific Queen and Eldredge Sewing Machines.

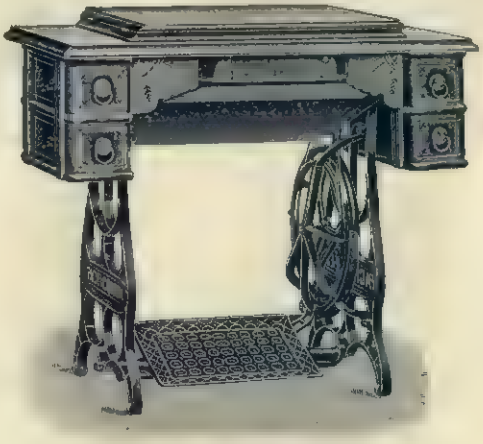


Fig. A-4000.

Style of No. 4, Drop Head.

		Each.
No. 3.	Extra Finish, 3 Drawers, Oak or Walnut	$65 00
No. 4.	Extra Finish, 5 Drawers, Oak or Walnut	70 00
No. 5.	Extra Finish, 7 Drawers, Oak or Walnut	75 00

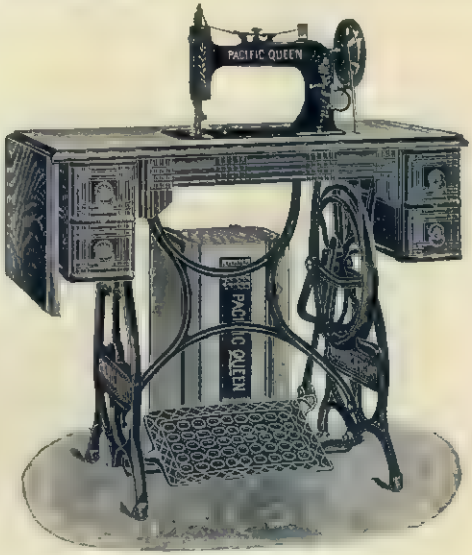


Fig. A-4001.

Style of No. 4.

		Each
No. 3.	Regular Finish, 3 Drawers, Oak or Walnut	$50 00
No. 4.	Regular Finish, 5 Drawers, Oak or Walnut	55 00
No. 5.	Regular Finish, 7 Drawers Oak or Walnut	60 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Description Continued.

THE TAKE UP is absolutely automatic in its action at all times and on all kinds of work.

THE AUTOMATIC BOBBIN WINDER attached to this machine is a great improvement, and with it the bobbin can be wound almost as evenly as a spool of thread, and with no care on the part of the operator except to keep the treadle moving

THE TENSION LIBERATOR is of a new design and enables the operator to remove the work from the machine without danger of breaking or bending the needle.

THE BEARINGS and WORKING PARTS are all hardened carefully ground and fitted, and when kept clean and properly oiled will last a lifetime.

THE HAND WHEEL is of the latest pattern and is also adjustable so that it can be made tight or loose at will, thus enabling the operator to wind the bobbin without running the machine.

THE FEED is double, extending on both sides of the needle, is positive in its action and handles the heaviest work easily. The term "positive feed" is often used in describing other machines, but in nearly all of them it will be found that a spring is required to hold the feed bar to its bearing The Pacific Queen feed motion patented October 20th 1891, is free from this defect It is so constructed that it can be raised or lowered by a simple adjustment without interfering with the feed dog. This advantage will be appreciated by all sewing machine dealers, as the old way of adjusting by set screws holding the feed dog on the feed bar has always made trouble, because, unless it was accurately done, the feed dog would either strike the front or back of the needle plate or the feed would be out of level. By the improved construction of this machine, there is no danger of meeting with any of these difficulties. By unloosening the set screw which connects the feed push rod with the cam, and sliding it to the right or left, the feed can be adjusted as to height without displacing any of the other parts, and the feed itself will always remain perfectly level.

THE SHUTTLE is positively self threading of large size, cylindrical in shape, and made of the finest steel carefully hardened and beautifully polished.

THE SHUTTLE CARRIER is of a new design and is fitted with a spring lining which balances the shuttle and does away with the noisy clicking so noticeable in other machines.

THE CABINET WORK is of the highest grade and best workmanship throughout, and can be supplied with "Regular" or "Extra" finish as preferred. Our "Regular" finish furniture is as good as the best wood work ordinarily furnished by other concerns. Our "Extra" finish is as fine as can be made, is hand rubbed and what is termed "piano finish," and cannot be improved upon Customers desiring something very nice will appreciate our "Extra" finish, as it is more than worth the difference in price.

THE STAND is light and graceful, yet so proportioned as to give it great strength It is easily kept clean and free from dust, and is furnished with oil cups to prevent soiling the floor on which it rests The treadle and drive wheel are hung on adjustable steel centers.

THE ATTACHMENTS supplied without extra charge are of the latest design, interchangeable, and constructed to slip on the presser bar. They are made throughout of the best steel, polished and nickel plated, and there is not a particle of brass or other soft metal or a single soldered joint about them. They are not packed in a box, but instead are placed in the long center drawer, which is neatly lined with velvet The attachments consist of Ruffler, Tucker, Binder, Braider Foot, Under Braider Slide Plate, Shirring Slide Plate, four Hemmers of assorted widths, Quilter, Thread Cutter, Foot Hemmer and Feller.

THE ACCESSORIES include twelve Needles, six Bobbins, Oil Can filled with oil, large and small Screw drivers, Sewing Guide, Guide Screw, Certificate of Warranty good for five years, and elaborately illustrated Instruction Book.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Description of the

New High-Arm Pacific Queen Sewing Machine.

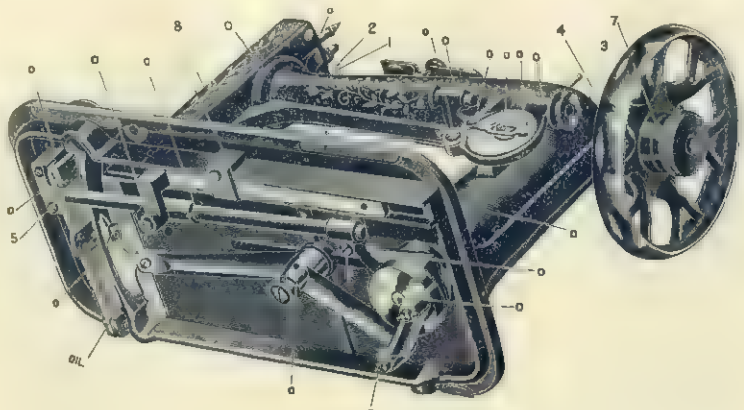


Fig. A–3998.

Under View of Pacific Queen Head.

The **"Pacific Queen"** illustrated herein is a strictly high grade sewing machine, finished throughout in the best manner possible. It possesses all modern improvements, and its mechanical construction is such that in it are combined simplicity with great strength, thus insuring ease of running, durability, and making it almost impossible for the machine to be gotten out of order.

It makes what is known as the double lock stitch and uses two threads, which are locked together in the center of the goods, forming a stitch which appears the same on both sides. The upper thread is drawn into position directly from the spool without passing through any holes till the eye of the needle is reached. A detailed description of the machine is as follows:—

The HEAD is handsome and pleasing in appearance, being beautifully decorated in an elaborate design worked out in gold and bright colors. All of the working parts, screws, plates, etc., are highly polished and nickel plated. The bed plate is let into the wooden table so that the surfaces of both are flush, thus greatly improving the looks of the machine as well as facilitating the handling of the work when sewing.

The ARM is large, very strong and well proportioned, and the clear space underneath it is $5\frac{1}{2}$ by 9 inches, thus allowing the bulkiest work to be stitched and handled with ease.

The NEEDLE is straight, has a large shank, and it is impossible to set it wrongly or for it to become fast in the bar so that it cannot be readily removed, as it is held with the latest style patent needle clamp.

The NEEDLE BAR is round, made of hardened steel, and finely finished. It runs in hardened steel bushings, packed above and below with felt which absorbs oil enough to lubricate the part without any danger of its running down and soiling the work.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

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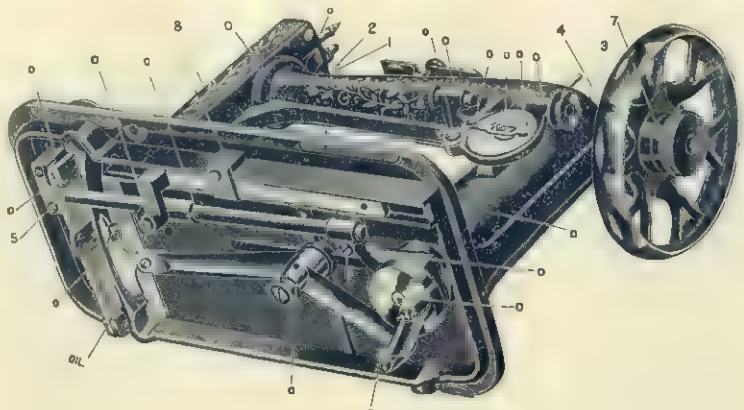

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DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Pacific Queen Sewing Machine.

Fig. A 3999

Swing Desk Cabinet (Closed).

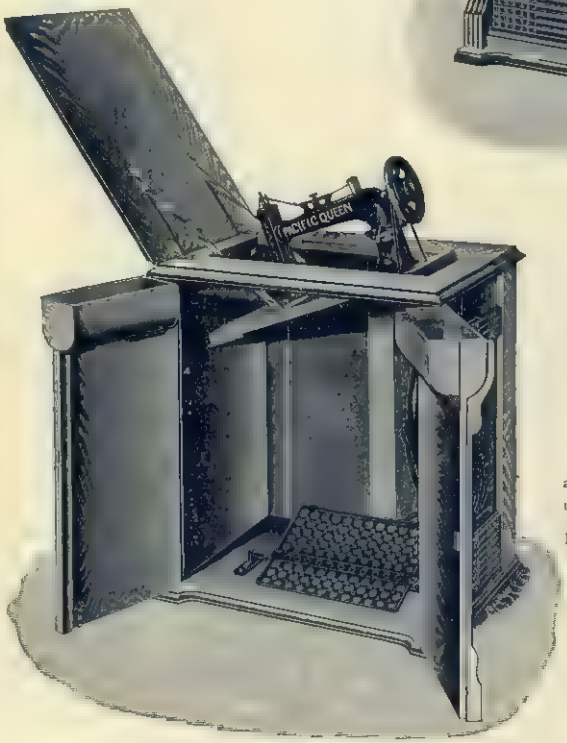


Fig. A 3990

Swing Desk Cabinet (Open).

Furnished in Oak, Walnut or Sycamore. Price and quality considered, this is the cheapest desk cabinet ever offered

Each **$90 00**

Pacific Queen and Eldredge Sewing Machines.

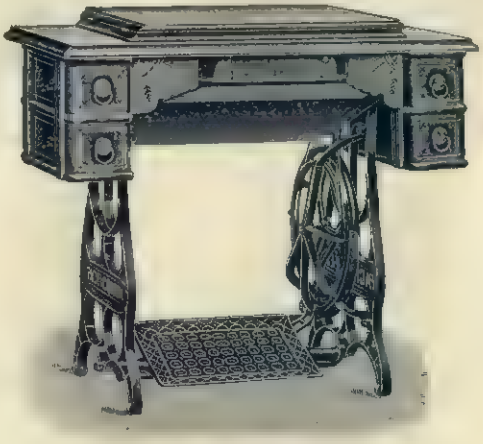


Fig. A-4000.

Style of No. 4, Drop Head.

		Each.
No. 3.	Extra Finish, 3 Drawers, Oak or Walnut	$65 00
No. 4.	Extra Finish, 5 Drawers, Oak or Walnut	70 00
No. 5.	Extra Finish, 7 Drawers, Oak or Walnut	75 00

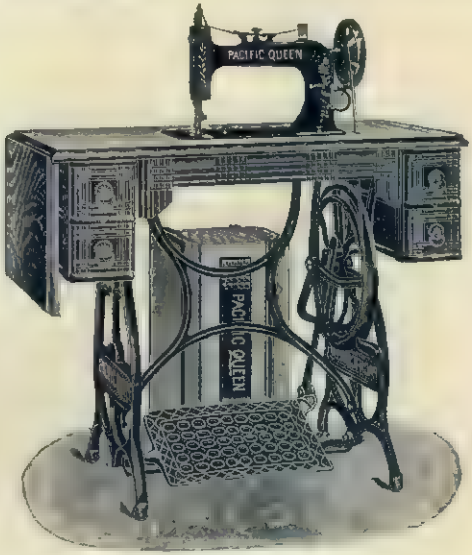


Fig. A-4001.

Style of No. 4.

		Each
No. 3.	Regular Finish, 3 Drawers, Oak or Walnut	$50 00
No. 4.	Regular Finish, 5 Drawers, Oak or Walnut	55 00
No. 5.	Regular Finish, 7 Drawers Oak or Walnut	60 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Pacific Queen and Eldredge Sewing Machine.

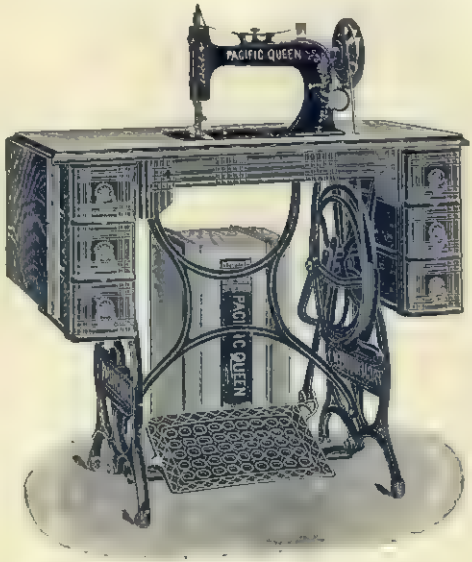


Fig. A-1002
Style of No. 5.

No. 3.	Extra Finish, 3 Drawers, Oak or Walnut	Each.	$55 00
No. 4.	Extra Finish, 5 Drawers, Oak or Walnut	"	60 00
No. 5.	Extra Finish, 7 Drawers; Oak or Walnut	"	65 00

Attachments furnished with the Pacific Queen and Eldredge Sewing Machine are made entirely of steel and are nickel plated.

CORK SCREWS.

No. 502.

No. 77.

No. 23.

No. 502 Hand forged steel, spiral coil, nickel plated, maple handle, half dozen on card, large, - per dozen $2.25
No. 77–Hand forged steel, spiral coil, japanned handle, large, - - - - - - - " 2 50
No. 23–Hercules, hand forged steel, spiral coil, maple handle, large, - - - - - " 2.50

ONE DOZEN IN A BOX.

No. 107.

No. 7.

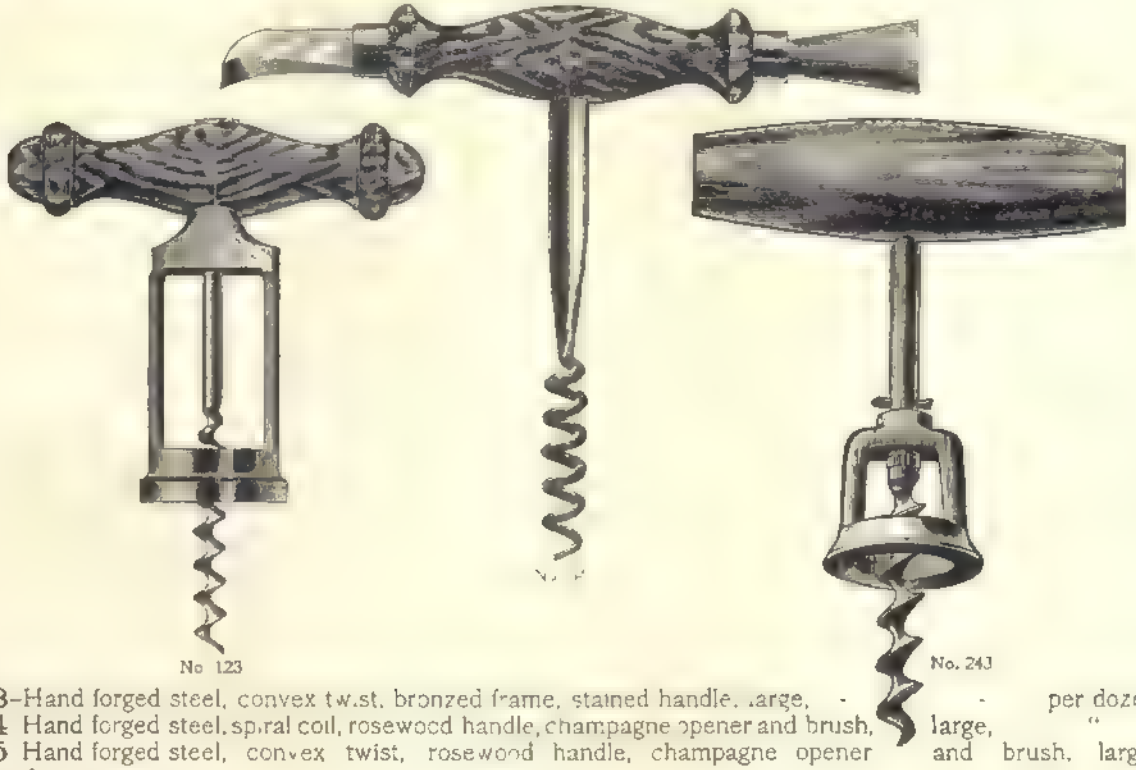
No. 118.

No. 107–Hand forged steel, spiral coil, applewood handle, large, - - - - - - per dozen $3.00
No. 7 Hand forged steel, heavy round shank, convex twist, rosewood handle, large, - - " 3.00
No. 118–Hand forged steel, spiral coil, cocobolo handle, large, - - - - - - " 4.50

ONE DOZEN IN A BOX.

CORK SCREWS.

No. 54–Hand forged steel heavy round shank convex twist, rosewood handle, large - - per dozen $4 50
No. 32–Hand forged steel, spiral coil, round taper shank, cocobolo handle with champagne opener, large, " 7 50
No. 50–Hand forged steel heavy square shank, spiral coil, lignum-vitæ handle, large, - - " 5.00
ONE DOZEN IN A BOX.



No. 123–Hand forged steel, convex twist, bronzed frame, stained handle, large, - - per dozen $4 00
No. 34 Hand forged steel, spiral coil, rosewood handle, champagne opener and brush, large, " 8 50
No. 55 Hand forged steel, convex twist, rosewood handle, champagne opener and brush, large per dozen - - - - - - - - - - - - - - - - - - 8.50
No. 243 Hand forged steel, spiral twist, applewood handle, large, - - - - per dozen 6 00
ONE DOZEN IN A BOX.

CORK SCREWS.

No. 34½

No. 17

Nos. 18 and 18½.

No. 34½ Tempered steel, spiral coil, duplex double and twisted wire, nickel plated, with tube handle for pocket, large, - - - - - - - - - - - - - - - - per dozen $4.75
No. 17 –Tempered steel, spiral coil, tinned, maple handle, large, - - - - - - - " 3.75
No. 18 Tempered steel, spiral coil, tinned, maple handle, with shoulder, large, - - - " 5.50
No. 18½–Tempered steel, spiral coil, nickel plated, rosewood handle, with shoulder, large, - - " 9.00

ONE DOZEN IN A BOX.

Nos 045 and 050.

No. 25½

No. 045 –Tempered steel, spiral coil, nickel plated, maple handle, screw movement, large, - per dozen $12.00
No. 050 Tempered steel, spiral coil, nickel plated, rosewood handle, screw movement, large, " 13.00
No. 25½ -Tempered steel, spiral coil, nickel plated, rosewood handle, champagne opener and brush, large, per dozen - 14.00

ONE DOZEN IN A BOX.

CORK SCREWS.

No. 16.

No. 19

No. 10

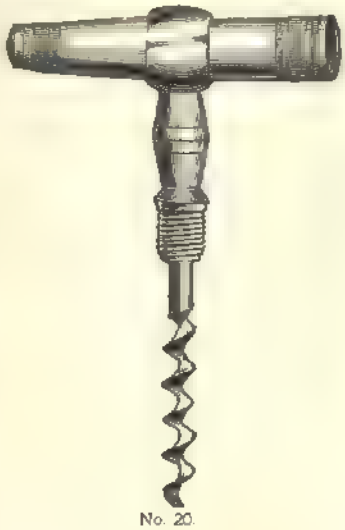
No. 11.

No. 13½ Open.

No. 16 –Twisted wire, tinned, large, ... per dozen $2.00
No. 19 –Twisted wire, tinned, with shoulder, large, ... " 2 75
No. 10 –Twisted wire, tinned, brass case, small, ... " 2.40
No. 11 –Twisted wire, tinned, brass case, medium, ... " 2.75
No. 13½ Twisted wire, nickel plated and polished, nickel plated case, large, ... " 3 75

ONE DOZEN ON A CARD.

Nos. 241 and 241½.

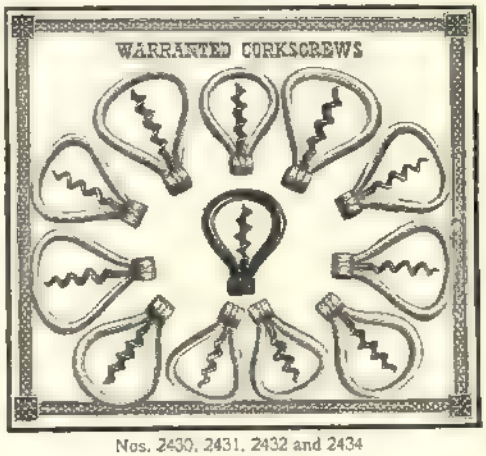

No. 20.

No. 39

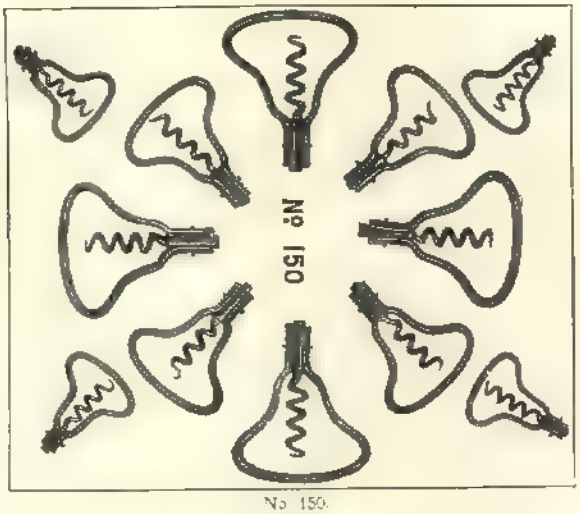
No. 241 –Cast steel, spiral coil, small, ... per dozen $ 1.20
No. 241½–Cast steel, spiral coil, medium, ... " 1.60
No. 20 Hand forged steel, convex twist, nickel plated case, medium, ... " 8 50
No. 39 –Hand forged steel, spiral coil and champagne opener, large, ... " 10.00

ONE DOZEN IN A BOX

CORK SCREWS ON CARDS.



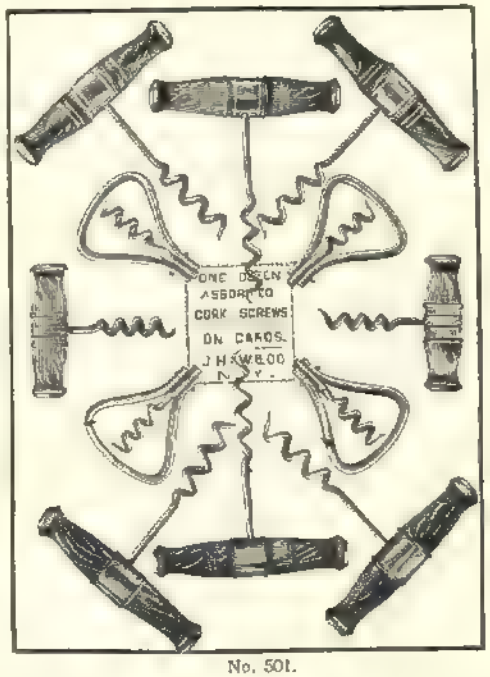
Nos. 2430, 2431, 2432 and 2434



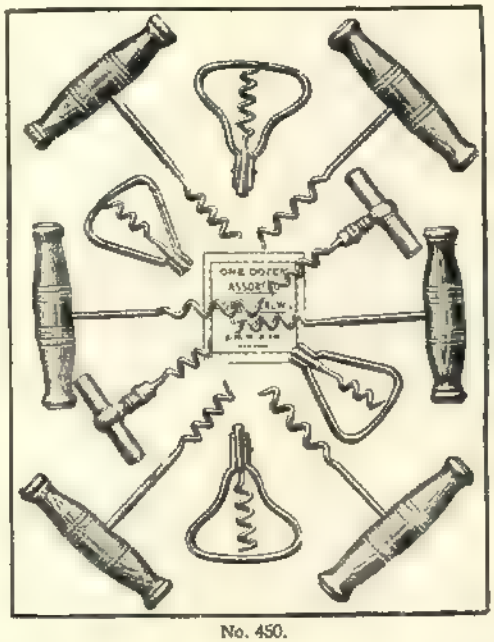
No. 150.

No. 2430–Spiral coil, assorted, medium size, ... per dozen $1.75
No. 2431 Spiral coil and convex twist, assorted, medium size, ... " 2 25
No. 2432 Spiral coil and convex twist, assorted, medium and large size, ... " 3.50
No. 2434 Spiral coil and convex twist, fancy assorted handles, assorted, extra large size, . " 5 00
No. 150–Delmonico, spiral coil, nickel plated, assorted, small, medium and large, . . . " 2.25

ONE DOZEN ON A CARD



No. 501.



No. 450.

No. 501–Assorted beech, rosewood and nickel plated handles, ... per dozen $4.00
No. 450–Assorted sizes, beech, rosewood and nickel plated handles, ... " 3.50

ONE DOZEN ON A CARD.

SORGO MACHINERY.

Having purchased all the tools, patterns, and machinery of Sechler & Haven, who were the successors of Sechler & Porter, and Hedges, Free & Co, the pioneers in the manufacture of Sorghum Machinery, &c., we offer the following articles, with full, entire confidence that they will give complete satisfaction, because they have stood the test for years; and the improvements adopted from time to time are not experiments, but the result of careful attention to the working of the machines with the sole object of rendering them more reliable, economical, and efficient.

Our "PIONEER" series of mills is the same as that originally manufactured by Hedges, Free & Co, with all the improvements suggested by years of experience. We are confident this mill is unequaled by any manufactured elsewhere in the United States.

The attention of those desiring a cheap mill is called to our two-roll mill, "THE ECONOMIST," No. 0, introduced by our predecessors, in 1865, which has been pronounced just the thing for working off a small crop.

We have economized in various particulars in the construction of our Sorghum Mills (but in no wise at the sacrifice of EFFICIENCY or DURABILITY), and the saving, together with the large decline in the cost of materials and labor, we propose to give to our customers furnishing, at very low prices, mills off the same patterns we have used for years (with changes that will not be generally noticed, and which do not impair their usefulness), constructed in a workmanlike manner, with

WROUGHT SHAFTS,
BRASS BOXES,
STEEL STEPS,
BORED GEARING,
TURNED ROLLS,
PATENT BRIDGE (will not Clog).

WARRANTED FOR ONE SEASON.

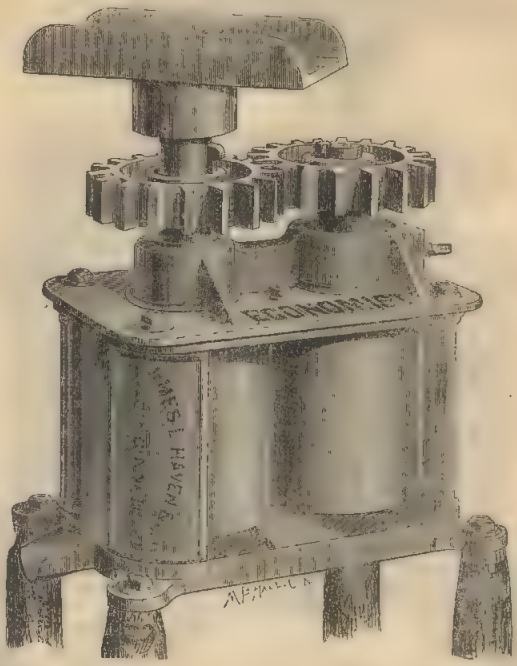
Do not judge our mills by the *looks!* we make them as compact as possible to get greater strength, and on measurement, you will find the size of our rolls greater than some others of much more imposing appearance. ☞ Remember that the capacity of a mill depends on the Diameter and Length of the Main Roll to which the sweep cap is attached.

We furnish pieces to repair mills free of charge, when it is evident that the fault is in the casting, but the defective piece must, in all cases, be returned, that the facts in the case may be determined, and, in all cases where the part is not returned, we shall charge the customary price for this kind of casting.

DIRECTIONS FOR SETTING UP AND USING CANE MILLS

Furnished with every Mill sold.

"ECONOMIST" SORGO MILL.



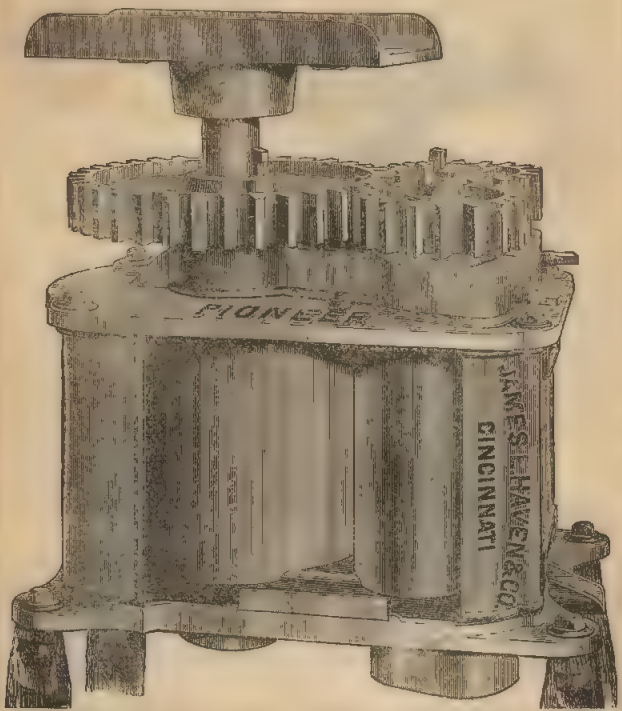
Our Two-Roll "Economist" is made to supply the want of a cheap mill. This mill is the best in the market for this purpose. While the capacity is only about one-sixth less than our No 1 "Pioneer," we sell it at nearly one-half the price.

It is strongly made, and as well finished as our Three-Roll Mill, and competes in price with the rough, unturned, unfinished articles, all cast iron, no wrought shafts, no brass boxes, which are offered as cheap mills—in the end the dearest that can be purchased, as they have no durability, and less capacity than this for expressing syrup.

No. 0, "ECONOMIST."

Two Rolls, 8 inches in diameter, and 9 inches high; is capable of working off a crop of 3 to 4 acres. Weight, 300 pounds, - - - - - - - - - price, $39 00

"PIONEER" SORGO MILL.



Nos.	Diameter of Main Roll.	Diameter of Discharge Rolls.	Length of Rolls.	Approx. W'g't.	Capacity.	Price.
00	10 inches	6 inches.	6 inches.	325 lbs.	2 to 3 Acres.	$44 00
1	12 "	8 "	7 "	500 "	4 to 5 "	65 00
2	16 "	8 "	8 "	700 "	5 to 8 "	80 00
3	16 "	8 "	12 "	850 "	8 to 18 "	105 00

The capacity depends on the length and diameter of the rolls.
Our "PIONEER" has larger rolls and greater capacity than other mills of corresponding weight and price.

CAST IRON SUGAR KETTLES.

12	gallons,	weight 36	pounds,	each,	$2 00
15	"	" 46	"	"	2 75
20	"	" 64	"	"	3 75
25	"	" 93	"	"	5 60

CASTINGS FOR FURNACES.

Furnace Doors and Grate Bars.

No. 1,	frame and door,	16 by 18	inches,		$6 00
" 2,	" " doors,	28 by 20	"		11 00
" 1,	grates,	28 by 18	inches, heavy,		8 00
" 2,	"	31 by 18	" "		9 40
" 3,	"	48 by 20	" " extra,		17 50
" 4,	"	33 by 18	" light,		3 00

TERMS OF WARRANTY.

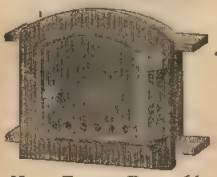
We warrant all Mills for one season, with fair usage, and furnish pieces for repairs, free of charge, when the fault is evidently in the casting. If the piece is not returned for examination, we charge the following prices. We can also furnish repairs for most all machinery formerly made by our predecessors in this line: Scott & Hedges, Hedges, Free & Co., Sechler & Porter, and Sechler & Haven.

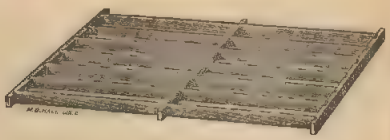
Keep the Mill well oiled, and the bolts properly screwed up, and you will probably have no trouble with breakages.

PRICES OF REPAIRS.

	ECONOMIST	PIONEER.			
	No. 0.	No. 00.	No. 1.	No. 2.	No. 3.
Lever Cap,	$4 00	$4 00	$4 00	$4 00	$5 00
Top Plate,	8 00	8 00	12 00	14 00	15 00
Bottom Plate,	10 00	10 00	14 00	16 00	17 00
Large Gear Wheels,	3 00	5 00	5 00	8 00	8 00
Small Gear Wheels, each,	3 00	2 00	3 00	3 00	3 00
Large Roll,	16 00	15 00	22 00	28 00	45 00
Small Roll, each,	14 00	10 00	12 00	12 00	20 00
Back Plates, each,	50	50	2 00	2 00	3 00
Front Plates, each,	50	50	2 00	2 00	3 00
Juice Plate,					
Feed Box,	50	1 00	1 00	1 00	1 00
Dumb Return,		50	50	50	50
Bridges, each,	75	75	1 50	1 50	1 50
Brass Boxes, per set,	2 00	2 00	4 00	4 00	5 00
Chilled Boxes, per set,	2 00	3 00	3 00	3 00	3 00

FURNACE DOORS AND GRATE BARS.





No. 1, Furnace Door, 16 by 18 in., $6 00 No. 4, Grate, 18 by 33 in., $3 00

EVAPORATING PANS.

To be Set in Brick as Shown in the Cut.

Nos.	1	2	3	4	5	6
Inches long,	72	96	120	72	96	120
" wide,	30	30	30	36	36	36
" deep,	6	6	6	6	6	6
List Price,	$8 00	11 00	13 00	11 00	13 00	16 00

COOK'S EVAPORATORS.

Iron Furnace and Pan.

No. 2, with Iron Pan, 45 by 72 in.,	$65 00	No. 2, with Copper Pan,	$110 00
No. 3, " " 45 by 90 in.,	75 00	No. 3, " "	130 00
No. 4, " " 45 by 108 in.,	85 00	No. 4, " "	155 00

COOK PAN TO BE SET IN BRICK.

No. 1, with Iron Pan, 3½ by 5½ feet,	$30 00	No. 2, with Copper Pan,	$ 80 00
No. 2, " " 3½ by 6 "	35 00	No. 3, " "	95 00
No. 3, " " 3⅝ by 7½ "	40 00	No. 4, " "	120 00
No. 4, " " 3⅝ by 9 "	50 00	No. 5, " "	140 00
No. 5, " " 4 by 10½ "	65 00	No. 6, " "	165 00
No. 6, " " 4 by 12 "	75 00	No. 7, " "	200 00
No. 7, " " 4 by 15 "	90 00		

Tubular Lanterns.

"Clipper Lift."

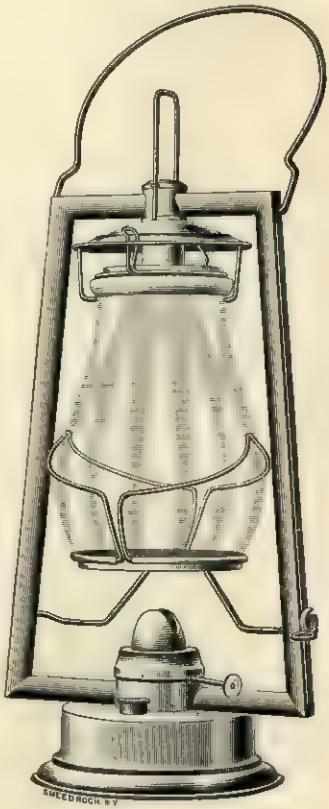


Fig. A–1454.

"Improved," Side Spring.

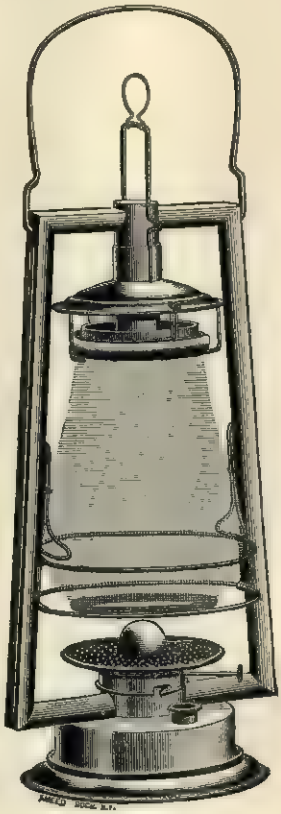


Fig. A–1455.

No. **0.**	Clipper Lift, No. 1 Burner, ⅜ Inch Wick, the Oil Pot is Retinned to Prevent Leaking . . .	. . . Per dozen,	**$ 7 50**
No. **2.**	Clipper Lift, No. 2 Burner, 1 Inch Wick, the Oil Pot is Retinned to Prevent Leaking	"	**11 00**
No. **0.**	Improved Side Spring, No. 1 Burner, ¾ Inch Wick, the Oil Fount is Retinned to Prevent Leaking.	"	**7 50**

Packed one dozen in case.

Lanterns.

No. 0. BEST LIFT WIRE TUBULAR.

Fig. A-1456.

No. **0.** Best Lift Wire Tubular Lantern, No. 1 Burner, ⅝ Inch Wick . . . . . Per dozen, **$12 00**
No. **0.** Brass Tubular . . . . . " **33 50**

LEADER.

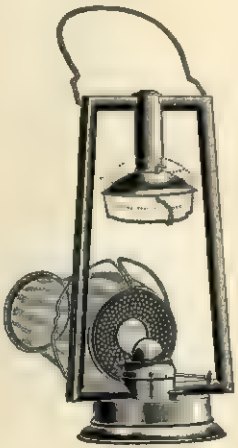


Fig. A-1457.

No. **0.** Leader Tubular Lantern, No. 1 Burner, ⅝ Inch Wick . . . . . Per dozen, **$7 50**

Railroad Lanterns.

Fig. A-1458. No. 39.
Wire Bottom, Double Wire, Single Guard.

Fig. A-1459. No. 39.
Tin Bottom, Double Wire, Single Guard.

Fig. A-1460.
Tin Bottom, Double Wire, Double Guard.

No. **39.** Wire Bottom, Double Wire . . . . . Per dozen, **$ 8 50**
No. **39.** Tin Bottom, Double Wire, Single Guard . . . . . " **8 00**
No. **39** Tin Bottom, Double Wire, Double Guard. . . . . " **8 50**
No. **39.** All Brass, Double Guard . . . . . " **54 00**
No. **39.** Nickel Plated, Double Guard, Conductors. . . . . " **60 00**

For lard oil or kerosene. Packed one dozen in a case.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Lanterns.

No. 13.

Fig. A–1461.

No. **13.** Japanned Tin Dash Lantern, No. 1 Burner, ⅝ Wick, No. **0** Globe . . . . . Per dozen, **$10 50**

No. 0. Hood Reflector.

Fig. A–1462.

No. **0.** Hood Reflector, Tin Dash Lamp, No. 1 Burner, ⅝ Wick, No. **0** Globe. . . . . Per dozen, **$22 00**

"Gem" Driving Lamp.

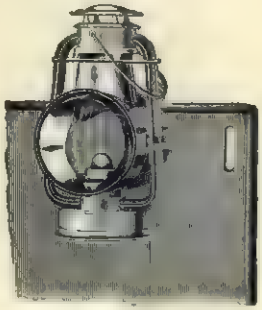


Fig. A–1463.

"Gem" Driving Lamp, All Brass, ½ Inch Wick, No. **00** Burner . . . . Per dozen, **$48 00**

"Gem" Brass Tubular Lantern.

Fig. A–1464.

"Gem" Brass Tubular Lantern, No. **00** Burner, ½ Inch Wick, No. **00** Globe . . . . . Per dozen, **$14 00**

One dozen in case

Tubular Lantern Globes.

FOR TUBULAR LAMPS AND LANTERNS.

Fig. A–1467.
No. 0 Tubular Globe.

Fig. A–1468.
No. 0 Tubular "Bull's Eye" Globe.

Fig. A–1469
No. 00 or "Gem" Globe.

No. **0.** Tubular Globes, White	Per dozen,	**$0 90**
No. **0.** Tubular Globes, Ruby	"	**3 50**
No. **00** or Gem Globes, White	"	**0 90**
No. **0.** Tubular Globes, Bull's Eye, White	"	**1 92**

Fig A–1470.
R. R. Globe

No. **39.** R. R. Globe, White	Per dozen,	**$1 50**
No. **39** R. R. Globe, Ruby	"	**4 00**
No. **39.** R. R. Globe, Green	"	**4 00**
No. **39.** R. R. Globe, Red and White	"	**30 00**
No. **39.** R. R. Globe, Green and White	"	**30 00**

Burners.

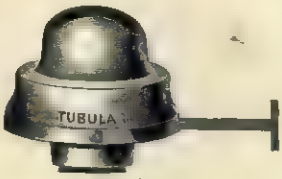


Fig. A–1471.
Lantern Burners.

Nos. **0** and **1.** Tubular Lantern Burners	Per dozen,	**$0 70**
No. **2.** Tubular Lantern Burner	"	**1 60**
No. **39.** R. R. Lard Oil Burners, Two Tubes	"	**1 60**
No. **39.** R. R. Coal Oil Burners	"	**1 00**

One dozen in a box.

Wicks.

No. **0** ½ Inch or Gem	Per gross,	**$0 40**
No **1** ⅝ Inch or A	"	**56**
No **2** ¾ Inch or B	"	**80**
No **3.** 1½ Inch or D	"	**1 28**

Lanterns.

Fig. A-1465

Police Lantern for Sperm Oil.

2¾ Inch Diameter, Bull's Eye . . . . . Per dozen, **$9 00** 3 Inch Diameter, Bull's Eye . . . . Per dozen, **$10 00**

No. 15 Tubular Side Lamp.

Fig. A-1466.

No. 1 Burner. **⅝-Inch Wick.** **No. 0 Globe.**

5-inch Silvered-glass Reflector.

No **15** Tubular Side Lamp, Japanned — Per dozen, **$20 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Pocket or Folding Corkscrews.

Fig. A–4446.
No 1

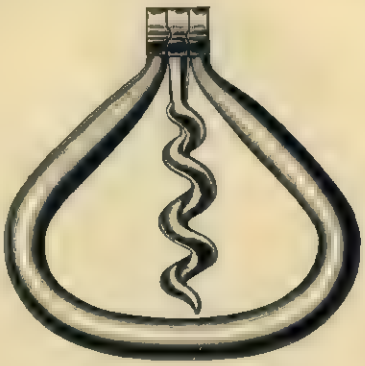


Fig. A–4447
No. 4.

No. 1. Nickel Plated . . . . . Per dozen, $4 50
No. 4. Nickel Plated . . . . . " 5 25

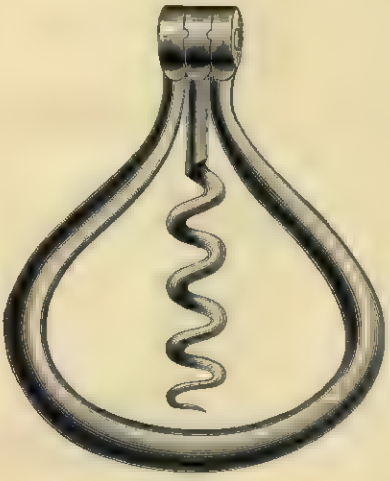


Fig. A–4448.
No. 38.

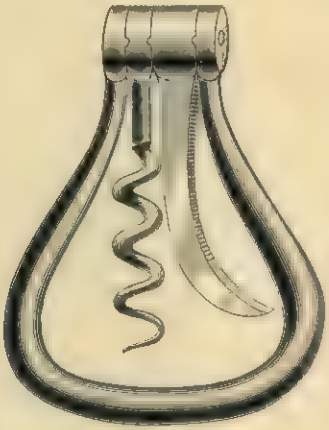


Fig. A–4449.
No. 39.

Hand Forged from Best Cast Steel Rods.

No. 38. With Round Thread Screw . . . . . Per dozen, $4 50
No. 39. With Round Thread Screw and Champagne Knife . . . . . " 7 50
No. 63. Same as No. 38, with Flat Thread Screw . . . . . " 5 00

Full size cuts. One dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Corkcrews.

No. 240.

Fig. A–4450.

No. **240.** 5 Inch, Self Drawing, Revolving Bell Convex Twist, Cast Steel Screw, Fancy Iron Handle, Full Nickel Plated . . . . . Per dozen, **$6 00**

No. 241.

Fig. A–4451

No. **241.** 5 Inch, Self Drawing, Revolving Bell, Convex Twist, Cast Steel Screw, Fancy Iron Handle Ice Pick and Breaker, Full Nickel Plated Per doz. **$8 00**

No 221.

Fig. A–4452.

No. **221.** 5 Inch, Spiral Twist, Cast Steel Screw, Revolving Bell, Ice Pick and Breaker, Full Nickel Plated . . . . . Per dozen, **$6 50**

No. 220.

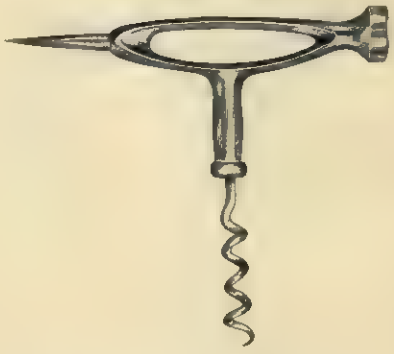


Fig. A–4453.

No. **220.** 5 Inch Spiral Twist, Cast Steel Screw, Ice Pick and Breaker, Full Nickel Plated . Per dozen, **$5 00**

One dozen in a box.

Corkscrews.

No. 216.

Fig. A-4454.

No 216. 4 Inch, Cast Steel, Nickel Plated Convex Twist Screw . . . . . Per dozen, **$4 00**

No. 60.

Fig. A-4455.

No. 60. 5 Inch, Best Cast Steel, Flat Screw . Per dozen, **$5 00**

No 50.

Fig. A-4456.

No. 50. 5½ Inch Lignum-Vitæ Handle, Best Cast Steel Screw . . . . . Per dozen, **$4 50**
Screw can not work loose in handle.

No. 31.

Fig. A-4457.

No. 31. 5½ Inch, Cocobolo Handle, Best Cast Steel Screw . . . . . Per dozen, **$4 00**
Screw can not work loose in handle.

One dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Extra Heavy Cast Steel Corkscrews.

Fig. A–4458.

Half Size Cut of No. 27

Fig. A–4459.

Half Size Cut of No. 29

Rosewood Handle, with Champagne Opener, Hand Forged from Best Cast Steel Rods, Thick Brass, Countersunk Cap, well Riveted Shank—cannot work loose in handle.

No. **27.** With Wire Cutter . . . . . Per dozen, **$7 50**

No. **29.** With Wire Cutter and Brush . . . . . " **8 50**

Fig. A–4460.

Half Size Cut of No. 66.

Hand Forged from Best Cast Steel Rods, Thick, Brass, Countersunk Cap, well Riveted Shank—can not work loose in handle.

No. **66.** Rosewood Handle . . . . . Per dozen, **$4 50**

Fig. A–4461.

Half Size Cut of No. 45.

Hand Forged from Best Cast Steel Rods.

No. **45.** Japanned Handle . . . . . Per dozen, **$3 50**

One dozen in a box.

Corkscrews.

No. 50

Fig. A–4462

No. 3 Flat

Fig. A–4463.

No. **50.**	6 Inch, Steel, Nickel Plated Flat Screw	Per dozen, **$12 00**
No. **55.**	6 Inch, Steel, Nickel Plated, Wire Screw	" **12 00**
No. **50a.**	5 Inch, Malleable Iron, Nickel Plated, Flat Screw	" **9 00**
No. **55a.**	5 Inch, Malleable Iron, Nickel Plated, Wire Screws	" **9 00**
No. **3.**	Flat, 6 Inch, Malleable Iron, Bronze Wood Handle, Flat Screw	" **6 00**

Group Fig. A–4464.

"Davis," 4 Inch, Wire Cutter, Lever Pocket Corkscrew, Nickel Plated. . . . . Per dozen, **$6 00**

One dozen in a box.

No. **28.**

Fig. A–4465.

No. **28.** Rapid Cork Puller, Nickel Plated . . . . . Each, **$5 00**

One in a box.

No. **28** Extra Screws . . . . . Per dozen, **6 00**

Extra Screws for Counter Corkscrews . . . . . " **3 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

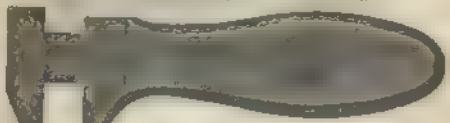
Wrenches.

Adjustable Pocket.

No. 63 No. 1.

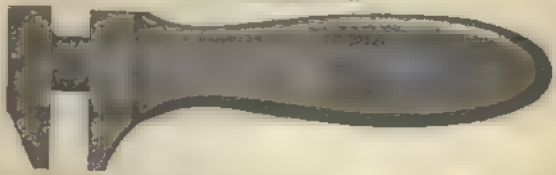
No. 60—4 in., Adjustable Malleable Iron Tinned . . . . . Per Dozen, $
" 5 4 in., " Nickel Plated, ... "

No. 63, Case Dozen, No. 1, Half Dozen in a Box.



No. 64 4 in., Adjustable Steel, Case Hardened, Black Finish, ... Per Dozen $
" 064 4 in. " " " Nickel Plated . . . . . "

One Twelfth Dozen in a Box.



No. 65—5 in., Adjustable, Steel Case Hardened, Black Finish . . . . . Per Dozen, $
" 065 5 in. " " " Nickel Plated . . . . . "

One Twelfth Dozen in a Box.

No. 66—6 in., Adjustable Steel Case Hardened, Black Finish . . . . . Per Dozen, $
" 066—6 in., " " " Nickel Plated, ... "

One Twelfth Dozen in a Box.

Wrenches.

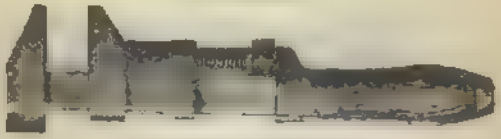
Baxter's S.

No. 15—Fousbet.

Inches,	4	6	8
Per Dozen,			

Half Dozen in a box

Agricultural



No. [illegible] Back Wrench Bolt

Inches,	8	10	12	15
Per Dozen,				

[illegible] in a Package

Coes Pattern

No. 25—Black Extra Heavy Wrought Pattern Screw Die Hardened.

Inches,	6	8	10	12	15	18
Per Dozen,						

[illegible] Half Dozen, [illegible], One Thread Under in a Package

Coes Genuine

No. 20 Black, Knife Handle.

Inches,	6	8	10	12	15	18	21
Per Dozen,							

[illegible]

Wrenches.

Acme

No 50—Solid Steel, Bright.

Inches	6	8	9	10	12	15
Per Dozen	$					

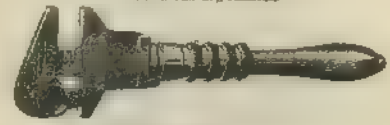
Half Dozen in a Box.

Combination.

No 35—Bright, with Short Nut.

Inches,			
Holds Pipe, Inches,	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to 1½	$\frac{1}{4}$ to 2
Per Dozen,			
Extra Dogs, with Screws, Per Dozen,			

Half Dozen in a Package.



No. 40—Bright, with Long Nut.

Inches,			
Holds Pipe, Inches,	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to 1½	$\frac{1}{4}$ to 2
Per Dozen,			
Extra Dogs, with Screws Per Dozen,			

Half Dozen in a Package.

Pipe Wrenches.

Cyclone

No. 45—Bright, with Short Nut.

Inches,	12	15
Holds Pipe, Inches,	$\frac{1}{8}$ to 1½	$\frac{1}{4}$ to 2
Per Dozen,		
Extra Dogs, with Screws Per Dozen,		

Half Dozen in a Package.

Wrenches

Stillson's.

No. 100—Bright

Inches.	[illegible]	8	10	14	[illegible]	24	[illegible]
Holds Pipe, Inches	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Per Dozen	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

HALF DOZEN IN A BOX

Always Ready.

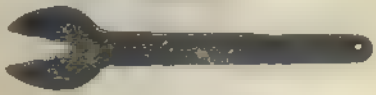
Forged Steel, Nickel Plated

Nos.	[illegible]	101	102	102½	103
Inches.	[illegible]	8	[illegible]	[illegible]	[illegible]
Holds Pipe, Inches.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Per Dozen	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

This Wrench will hold and turn Square and Round Iron or Pipe, and is "Always Ready" without Adjusting.

HALF DOZEN IN A BOX

Alligator



Forged Steel, Blac

Nos.	111	112	113	114	115
Inches,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Holds Pipe, Inches.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Per Dozen,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Boynton's Adjustable Alligator

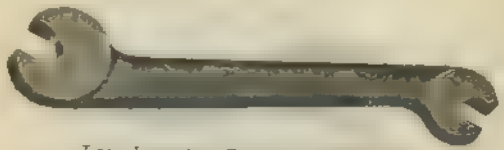
Forged Steel, Black

Nos.	207	209	213	215
Inches,	[illegible]	[illegible]	[illegible]	[illegible]
Holds Pipe, Inches,	[illegible]	[illegible]	[illegible]	[illegible]
Per Dozen,	[illegible]	[illegible]	[illegible]	[illegible]

Wrenches.

Drop Forged of Bar Steel, Unfinished

Nos.	76	77	78	79	80	81
Length, Inches,	4½	5½	7	8	9½	10½
Thickness of Head, Inches,	½	⅝	¾	⅞	1	1⅛
Openings, Inches,	½×⅝	⅝×¾	¾×⅞	⅞×1	1×1⅛	1⅛×1¼
Per Dozen,	6					



Drop Forged of Bar Steel, Unfinished

Nos.	28	29	30	31	32	33	34	35
Length, Inches,	5	6	8½	10	11	12½	7	8
Thickness of Head, Inches,	½	⅝	¾	⅞	1	1⅛	¾	1
Openings, Inches,	½×⅝	⅝×¾	¾×⅞	⅞×1⅛	1×1⅛	1⅛×1¼	1×1¼	1×1⅜
Per Dozen,	6							

Drop Forged of Bar Steel, Unfinished

Nos.	70	71	72	73	74	75
Length, Inches,	4	5	6	7	8	9
Thickness of Head, Inches,	½	⅝	¾	⅞	1	1⅛
Openings, Inches,	⅜×½	½×⅝	⅝×¾	¾×⅞	⅞×1	1×1⅛
Per Dozen,	6					

Malleable Iron

No. 2320,	B	C	D	E	F	G	H	J
Axle Nuts, Inches,	⅜	½	⅝	¾	⅞	1	1⅛	32
Length	8	9½	9½	10	10½	10½	11½	
Per Pound,							6	

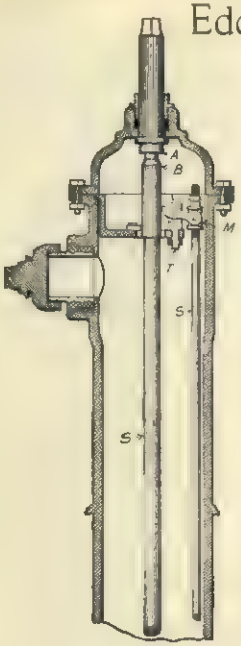
No. 2340,	A
Nuts, Inches,	½ ⅝ ¾ and ⅞ 1 1⅛
Length	10½
Per Pound,	4

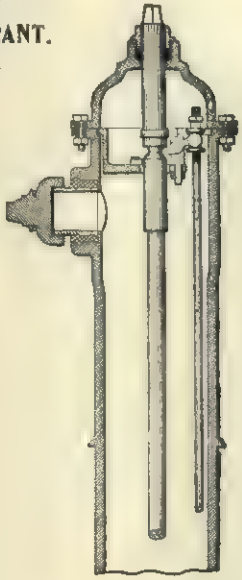
Eddy's Fire Hydrant.

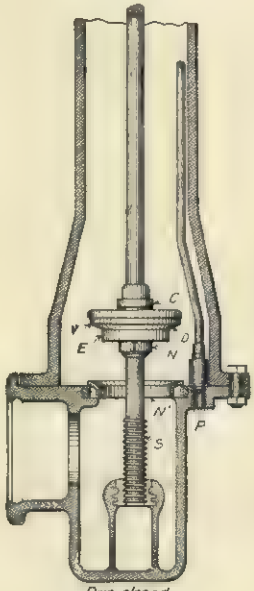
Sections of

EDDY'S HYDRANT.

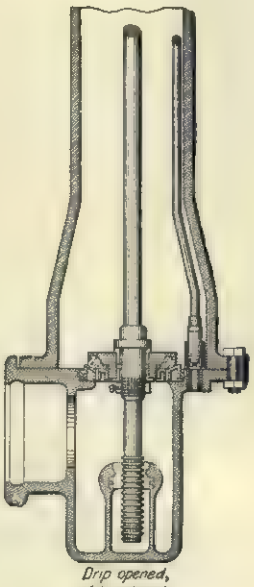
Fig. A–3237.







Drip closed, Valve opened.



Drip opened, Valve closed.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Valve Boxes.

Outside Diameter, Head 9 In.

Upper Section

Sections forming 5¼ inch valve box.

Middle Section.

Fig. A–5240
No. 6, Oval Base.

Regular Covers.

Covers 7¼ Inch Diameter.

Special Flanged Cover.

The regular cover is generally used; when preferred, the flange cover will be furnished at same price.

Fig. A–3241.

These valve boxes are also made with square head when required, being preferred by some for paved streets.

Fig. A–3242

Directions for Setting Valve Box.

When setting a valve box in its place, the base should rest two or more inches above the flanged joints of the valve dome. The nut of the valve should be about on a line with the hub or upper part of the valve box base where connected with upright shaft, this will leave ample space all around valve and prevent box touching it in any way.

We recommend the use of a larger size base over valves. In many places our No. 4 or No. 6 base is used on 16 inch valves and under, when such is the case the valves are covered by earth to within 12 inches of the top of the nut, the base of valve box completely protecting the working parts of the valve.

Length of Valve Box.

It is unnecessary to have the valve box quite as long as the depth of the main pipe, as the base of the box does not extend below the flange joint of valve dome, which is from 3 to 6 inches above the pipe.

List of Sizes, 5¼ Inch Valve Boxes, with No. 6 Base.

AAA Stationary Length, 1 Foot, 5 Inches.
AA Extends 1 Foot, 10 Inches to 2 feet, 4 Inches.
A Extends 2 Feet, 4 Inches to 3 Feet, 4 Inches.
B Extends 3 Feet to 4 Feet.
C Extends 3 Feet, 6 Inches to 4 Feet, 6 Inches.
CC Extends 4 Feet to 5 Feet.
D Extends 3 Feet, 6 Inches to 5 feet, 5 Inches.
DD Extends 4 Feet to 6 Feet.
E Extends 5 Feet to 6 Feet.
F Extends 5 Feet to 7 Feet.
G Extends 6 Feet to 7 Feet.
H Extends 6 Feet to 8 Feet.

Base No. 6 is used as a standard for quoting lengths and prices on valve boxes. When any other size base is required, the length of valve box and price of same is either reduced or increased in accordance with the size base desired.

Prices on Application.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Compression Fire Hydrants.

Brass Mounted, Rubber Valve, Positive Waste, Closes Against the Pressure.

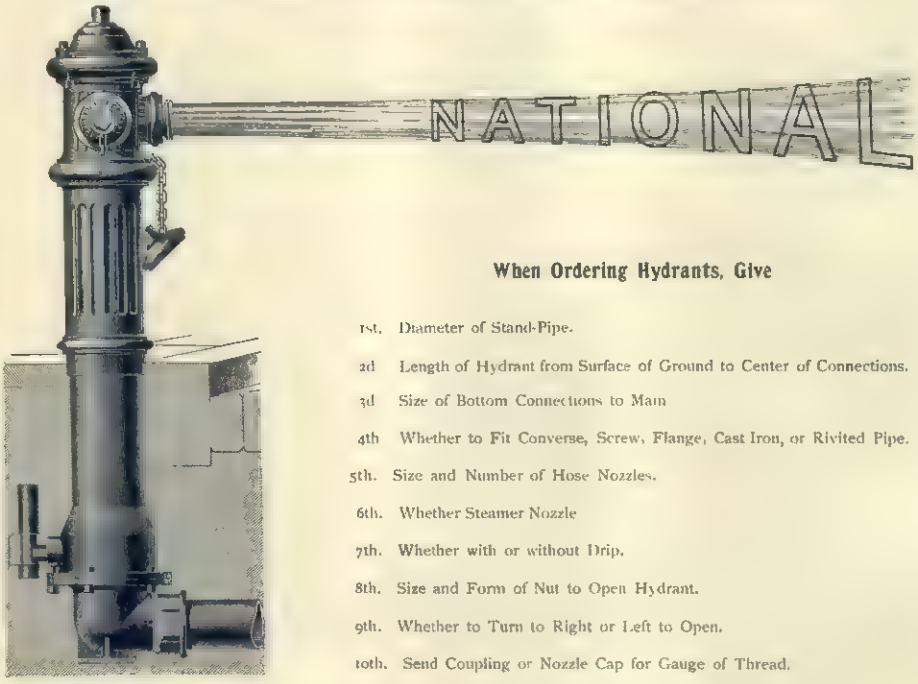


Fig. A–3238

When Ordering Hydrants, Give

1st. Diameter of Stand-Pipe.

2d Length of Hydrant from Surface of Ground to Center of Connections.

3d Size of Bottom Connections to Main

4th Whether to Fit Converse, Screw, Flange, Cast Iron, or Rivited Pipe.

5th. Size and Number of Hose Nozzles.

6th. Whether Steamer Nozzle

7th. Whether with or without Drip.

8th. Size and Form of Nut to Open Hydrant.

9th. Whether to Turn to Right or Left to Open.

10th. Send Coupling or Nozzle Cap for Gauge of Thread.

The National Patent Fire Hydrant.

No.	Diameter of Inlet	Diameter of Stand-Pipe	A Pavement to Center of Inlet	B One 2½ Inch Hose Nozzle	C Two 2½ Inch Hose Nozzles	D Three 2½ Inch Hose Nozzles	E One 2½ Inch Hose Nozzle	F One 2½ Inch Hose and One Steamer Nozzle	G Two 2½ Inch Hose and One Steamer Nozzle
1	3 Inch.	4½ Inch.	2 Feet	$25 00	$27 00	. . .			
2	3 "	4¾ "	3 "	26 00	28 00				
3	3	4 4	4 "	27 50	29 50				
4	4	5¼ "	2 "	28 00	30 00	$32 00	$30 00	$32 00	$34 00
5	4 "	5¼	3 "	30 00	32 00	34 00	32 00	34 00	36 00
6	4	5¼ "	4	32 00	34 00	36 00	34 00	36 00	38 00
7	6	5¼ "	2	29 50	31 50	33 50	31 50	33 50	35 50
8	6 "	5 4 "	3 "	31 50	33 50	35 50	33 50	35 50	37 50
9	6 "	5¼ "	4	33 50	35 50	37 50	35 50	37 50	39 50

For 3 Inch Screw or Flange Inlet	Add $1 00	For 6 Inch Cast Iron Pipe Inlet . .	Add $1 50
For 4 Inch Screw or Flange Inlet . .	" 1 50	For Each Foot 4¼ Inch Stand-Pipe, over 4 Feet,	" 2 75
For 6 Inch Screw or Flange Inlet .	" 2 00	For Each Foot 5¼ Inch Stand-Pipe, over 4 Feet,	" 3 75
For 3 Inch Cast Iron Pipe Inlet	" 75	For Drips	1 50
For 4 Inch Cast Iron Pipe Inlet	" 1 00		

Unless otherwise stated, all connections are for converse pipe.

Description of Eddy's Fire Hydrant.

Referring to cut of Eddy's Rubber-Faced Hydrant, we herewith give a brief description of its construction and operation.

The lower end of the valve stem, **S**, which is of brass, works in a post in the bottom of the hydrant, which is brass-bushed, hence the valve is drawn instead of pushed down to its seat, and for this reason it cannot be moved, nor can any water escape should the stand-pipe become broken.

The brass valve seat, **N'**, is made only slightly tapering, but at such an angle as to impede foreign substances from lodging upon it. The rubber-faced valve, **D**, is made on the same taper and adjusts itself to it. The rubber is so attached to the valve that it can easily be removed and another substituted. In fact, one of the neatest things about the hydrant is the accessibility of all parts of it for renewals or repairs. Every moving part can be examined and replaced with ease.

The valve is made with a straight cylinder piece, **E**, which is the first to enter the valve opening as the valve is being closed. Thus it gradually closes off the area of the valve opening, so that but little water is passing through it when the face of the valve is still quite a distance from the valve seat. In this way the tendency to any "water ram" action is greatly reduced and practically eliminated.

When the rubber face of the valve is brought to a bearing on the valve seat it does not revolve, being loose on the stem, but the motion of the stem continues, revolving in the center of the valve. The collar, turning and seating on a brass bush in the valve, prevents twisting or tearing of the rubber.

By removing the check-nut, N, the valve can be taken off the stem, and as all parts of the hydrant are interchangeable, any piece can be replaced without trouble and with slight expense.

The rising and lowering of the stem in working the valve serves as an indicator to show the position of the valve and the collar near the top of the stem, **A**, on coming in contact with the top of the cover, limits its rise and prevents the screw from turning out of the bottom post.

If at any time it is desirable to flush the mains, all internal parts of the hydrant can be removed through the stand-pipe, and all obstructions that can pass through the valve opening will be forced up and out of it.

The drip, **P**, located at the side of the valve seat, drains the stand-pipe perfectly through apertures in the side of the brass drip cup. In this cup a solid rubber plug or plunger is inserted which opens and closes the drip. This plug or plunger is attached to the end of the drip rod, **S'**, and when the hydrant valve is nearly to its seat (within a revolution), the upper surface, **A**, of the groove, **B**, in the main stem strikes the end of the drip operating lever, **L**, and raises the drip plug sufficiently to allow the water in the stand-pipe to escape. When the valve is raised, the lower edge, B, of the groove on the valve stem strikes the drip lever and forces the drip plug down into the cup, thereby both closing and opening the apertures by positive motion, and also positively holding either open or closed between times.

This drip is adjustable as to the throw and the pressure which forces the plug into the drip cup. As less than one revolution of the stem operates the drip, practically no water is wasted beyond the small amount necessary to fill the hydrant barrel once.

Furthermore, the drip plug and rod can be removed while the pressure is on the valve, and can be adjusted from the top without being taken from the stand-pipe. In case the hydrant is set in wet soil, and it is desirable to have the drip permanently closed or sealed, the dog at the top of the drip rod can be removed and a simple device attached to hold the rod down in position.

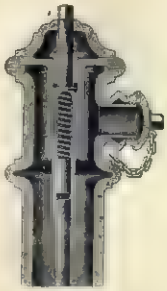
It will be seen that there is practically no wear on the working parts of this hydrant, and that the cost of repairs should be almost nominal. From actual tests with pressure gauges it is stated that there is less than 2 per cent loss in friction from water passing through and out of stand-pipe, a remarkably good record. Why it should be good will be at once seen from the drawings. The water is almost unimpeded in its passage when the valve is open.

We claim for this hydrant simplicity, efficiency and durability.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

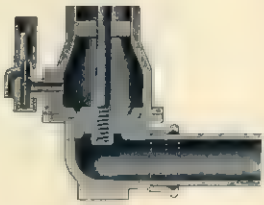
National Fire Hydrants.

Patented.



Section. Fig. A-3239.

Section. Fig A-3239.



Section Fig. A 3239

The above illustrations show the working parts and the principle of our Patent Compression Hydrant.

The illustration on page 962 shows our "National Patent Fire Hydrant." We offer this as the most simple and perfect compression hydrant in the market.

We wish to call attention to the following advantages claimed by us in the use of the National Fire Hydrants:-

They combine all the features necessary to render them certain in their operation.

To show that they have the qualifications for a good hydrant the following claims are made:—

They are tested to a hydrostatic pressure of 300 lbs. per square inch.

Simplicity of construction, there being few inside parts.

Special ease with which the inside parts can be removed and replaced. This can be done from the top in a few minutes, thus avoiding all digging or disturbance of the body of the hydrant.

A specially prepared rubber cup ring is fitted to a conical valve and is seated on the brass seat ring. The rubber-faced valve will always prevent leaking however much the brass seat ring may be scratched or marred.

The valve raises to a height sufficient to allow the passage of small stones or gravel.

The rod and valve are held firmly in place to insure valve seating properly and to prevent vibration or trembling during the opening or closing of the valve.

The valve rod is galvanized to prevent rust or corrosion.

All wearing parts are of composition metal.

One man can repair or replace a valve in 15 or 20 minutes.

The parts of these hydrants being made to a standard, duplicates can be furnished by us at short notice.

Fire Streams.

Pressures required at nozzle and at pump, with quantity and pressure of water necessary to throw water various distances through different sized nozzles using 2½ inch rubber hose and smooth nozzles. G. A. ELLIS, C. E.

Size of Nozzles.	1 Inch.				1¼ Inch.				1½ Inch.				1⅝ Inch			
Pressure at Nozzle.	40	60	80	100	40	60	80	100	40	60	80	100	40	60	80	100
Pressure at Pump or Hydrant with 100 ft. 2½ Inch Rubber Hose*	48	73	97	121	54	81	108	135	61	92	123	154	71	107	144	180
Gallons per Minute	155	189	219	245	196	240	277	310	242	297	342	383	293	359	413	462
Horizontal Distance Thrown	109	142	168	186	113	148	175	193	118	156	186	207	121	166	200	224
Vertical Distance Thrown	79	108	131	148	81	112	137	157	82	115	142	164	85	118	146	169

*For greater lengths of 2½ hose the increased friction can readily be obtained by noting the differences between the above given "pressure at nozzle" and "pressure at pump or hydrant with 100 *feet* of hose." For instance, if it requires at hydrant or pump 8 lbs. more pressure than it does at nozzle to overcome the friction when pumping through 100 feet of 2½ inch hose (using 1 inch nozzle, with 40 lbs. pressure at said nozzle), then it requires 16 lbs. pressure to overcome the friction in forcing through 200 feet of same size hose.

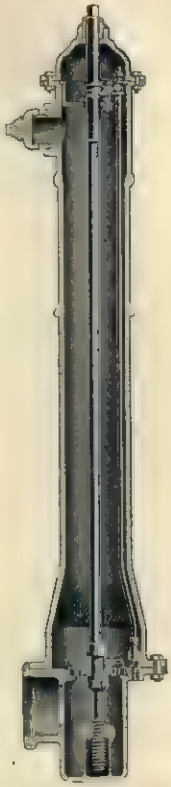
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Eddy's Fire Hydrant.

Fig. A-3236.

For full description see pages 960 and 961.



Sectional—Fig. A-3236.

With Brass Seat and Rubber-Faced Valve.

Diameter of Pipe Connections	Inside Diameter of Stand Pipe.	Diameter of Seat Ring	One 2½ Nozzle	Two 2½ Nozzles	Three 2½ Nozzles.	Four 2½ Nozzles.	Six 2½ Nozzles.	One Steamer Nozzle	One Steamer and one 2½ Nozzles	One Steamer and two 2½ Nozzles.	First Case, Standard Length.	For each 6 inches necessary in excess of Standard length of Stand Pipe add to or deduct from list.	For each 6 inches more or less than standard length of First Case, add to or deduct from list.	Independent Nozzle Gate, Each
Inches.	Inches.	Inches.												
3 or 4	4½	3	$28 00	. . .	. . .	. . .	. . .	. . .	. . .	. . .	$ 4 50	$0 60	$0 44	. . .
3 or 4	5½	4	31 00	$34 00	$36 00	. . .	. . .	$34 00	$36 00	$37 00	5 00	75	50	$3 50
6	5½	4	31 50	34 50	36 50	. . .	. . .	34 50	36 50	37 50	5 00	75	50	3 50
4 or 6	6	4½	. . .	35 50	37 50	. . .	. . .	35 50	37 50	39 50	5 60	80	58	3 50
4 or 6	6⅝	5	.	38 50	40 50	$42 50	. . .	38 50	40 50	42 50	6 50	85	70	3 75
6	7⅜	5	.	49 00	51 00	53 00	. . .	49 00	51 00	53 00	7 50	1 00	90	3 75
8	7⅜	6		50 25	52 25	54 00	. . .	50 25	52 25	54 25	7 50	1 00	90	3 75
8 or 10	9¾	8	.	. . .	. . .	. . .	$130 00	. . .	. . .	. . .	11 00	2 25	1 30	4 50

Standard length of hydrant from pavement to bottom of connecting pipe, 5 feet. Hydrants opening by turning to left, unless otherwise ordered. Nuts on caps and spindles five sided, ¾ on a side, unless otherwise ordered. Always send hose coupling, so we can make hydrant nozzles to fit it.

Secondary Gates for Hydrants.

3 Inch Connection with 3 Inch Valve, bolted on . . . $ 9 25
4 Inch Connection with 4 Inch Valve, bolted on . . . 12 50
4½ Inch Connection with 4 Inch Valve, bolted on . . . 15 50
5 Inch Connection with 5 Inch Valve, bolted on . . . $15 50
6 Inch Connection with 6 Inch Valve, bolted on . . . 18 50
8 Inch Connection with 8 Inch Valve, bolted on . . . 27 00

Can furnish also yard and wash hydrants. In writing for prices we would request that as full a description as possible be given us as to what is required.

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Bench Vise.

Backus Union.

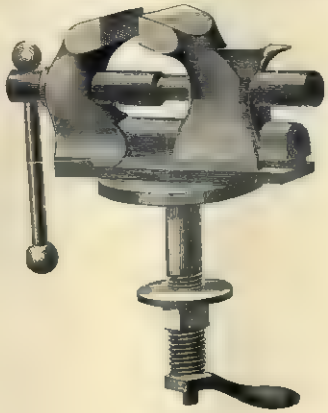

Fig. A–2685.

Jaws, Inches,	2	2½	3	3½	4	5	6	7
Each	$4 50	6 25	7 50	10 00	11 25	18 75	27 00	30 00

Parker's Patent.

Patent Parallel.

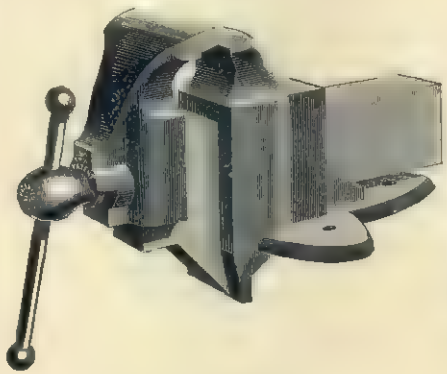

Fig. A–2686.

Number,	000	1	2	3	4	5
Jaws, Inches,	3¼	3⅝	4¼	4¾	5⅜	6⅛
Each . . .	$6 25	7 00	9 00	11 75	16 25	24 00
Number,	0000	100	200	300	400	500
Jaws, Inches,	3¼	3⅝	4¼	4¾	5⅜	6⅛
Each . . .	$5 50	6 50	8 50	10 75	16 00	23 75

Patent Parallel Swivel.

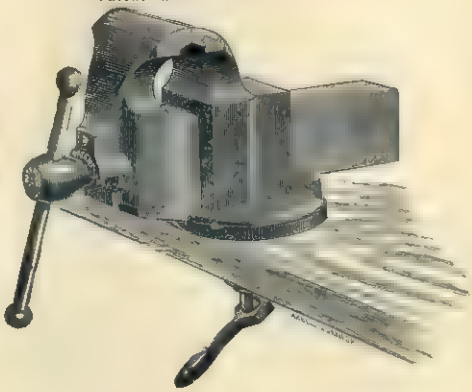

Fig. A–2687.

Number,	19	20	21	22	23	24
Jaws, Inches,	1¾	2¼	3½	3⅝	4¼	4⅝
Each . . .	$4 00	5 00	7 00	8 75	11 00	14 50
Number,		2000	2100	2200	2300	2400
Jaws, Inches,		2¼	3½	3⅝	4¼	4⅝
Each		$4 00	6 25	8 00	10 00	13 25

Wood-workers' Vises.

Swivel Coach Makers' Vise.

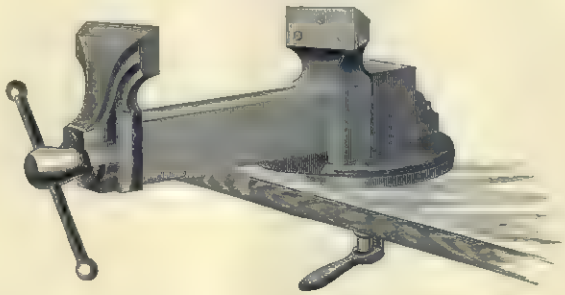

Fig. A-2688

No. 46. 4 Inch Jaws, Opens 8 Inches . . . . . Each $12 50
No. 4600. 4 Inch Jaws, Opens 8 Inches . . . . . " 12 50

"Trenton" Coach Makers' Vise.

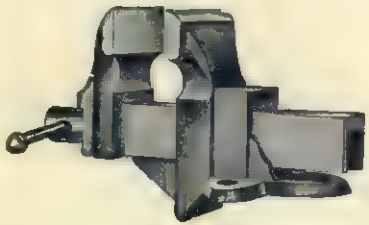

Fig. A-2689

4 Inch Jaws, Opens 9 Inches . . . . . Each, $9 00

"Parker's" Patent Coach Makers' Vise.

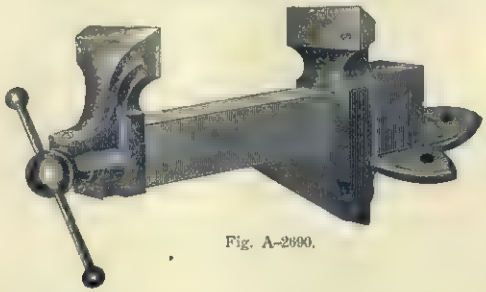

Fig. A-2690.

No. 40. 4 Inch Jaws, Opens 8 Inches . . . . Each, $10 25
No. 4000 4 Inch Jaws, Opens 8 Inches . . . " 10 25

"Parker's" Patent Swivel Coach Makers' Vise.

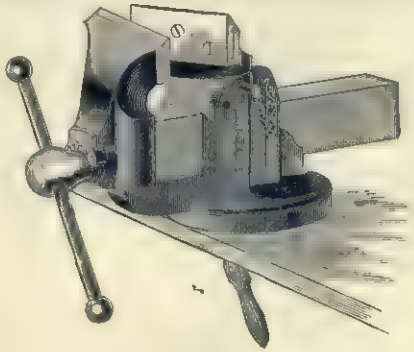

Fig. A 2691
SWIVEL JAW.

No. 41. 4½ Inch Jaws, Opens 9 Inches . . . . . Each, $14 00

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Prentiss' Machinists' Solid Jaw, Parallel Vises.

Stationary Bottom.

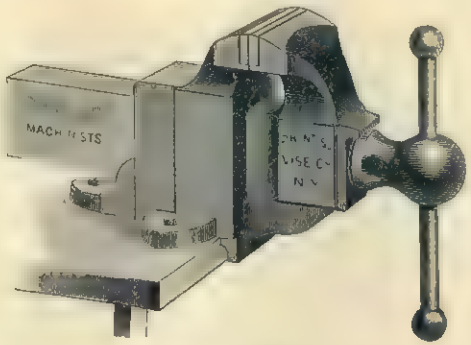

Fig. A-2692.

No. **50.**	3¼ Inch Jaws, Opens 4 Inches	Each, **$6 00**	No. **53.**	4⅝ Inch Jaws, Opens 6¼ Inches . .	Each, **$10 00**
No. **51.**	3⅝ Inch Jaws, Opens 5 Inches	" **7 00**	No. **54.**	5 Inch Jaws, Opens 7 Inches	" **13 00**
No. **52.**	4⅛ Inch Jaws, Opens 5½ Inches . . .	" **8 50**	No. **56.**	6 Inch Jaws, Opens 9 Inches	" **25 00**

Swivel Bottom.

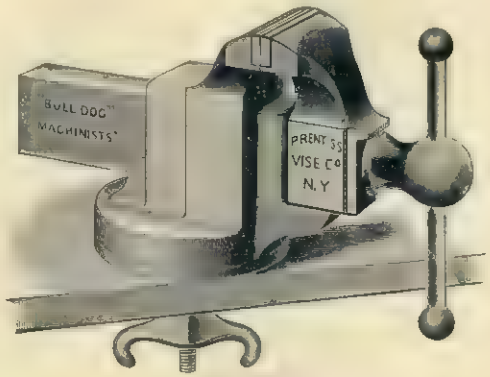

Fig. A-2693.

No **90.**	Swivel Bottom, 3¼ Inch Jaws, Opens 4 Inches	Price, **$ 7 50**
No **91.**	Swivel Bottom, 3⅝ Inch Jaws, Opens 5 Inches	" **8 75**
No. **92.**	Swivel Bottom, 4⅛ Inch Jaws, Opens 5½ Inches	" **10 50**
No. **93.**	Swivel Bottom, 4⅝ Inch Jaws, Opens 6¼ Inches	" **12 50**
No. **94.**	Swivel Bottom, 5 Inch Jaws, Opens 7 Inches	" **16 00**
No. **96**	Swivel Bottom, 6 Inch Jaws, Opens 9 Inches	" **30 00**

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Prentiss' Patent Iron Workers.

Vises with Self-adjusting Jaw.

STATIONARY BOTTOM.

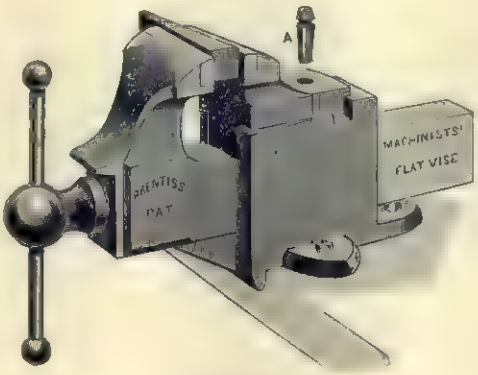

Fig. A–2694

Nos.	2	3	4	5	6
Size Ja vs, Inches,	3½	4½	5¼	6	7
Opens, Inches,	4⅜	6	8	9	11
Weight, Pounds,	28	54	96	146	184
Each	$7 00	10 50	17 00	24 00	30 00

PATENT SWIVEL BOTTOM.

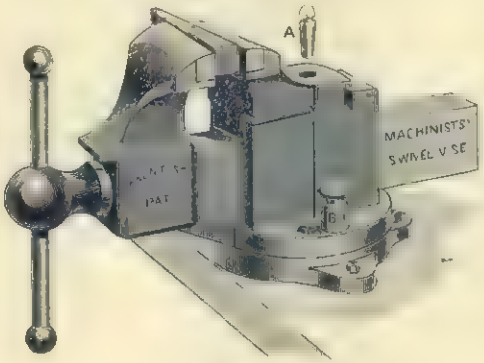

Fig A 2695.

Nos.	19	20	21	22	23
Size Jaws, Inches,	3½	4½	5¼	6	7
Opens, Inches,	4¾	6	8	9	11
Weight, Pounds,	32	65	109	168	207
Each	$8 50	12 50	19 00	27 00	35 00

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Pipe Vises.

Parker's Patent Combination Bench and Pipe VISES.

With Interchangeable Jaws.

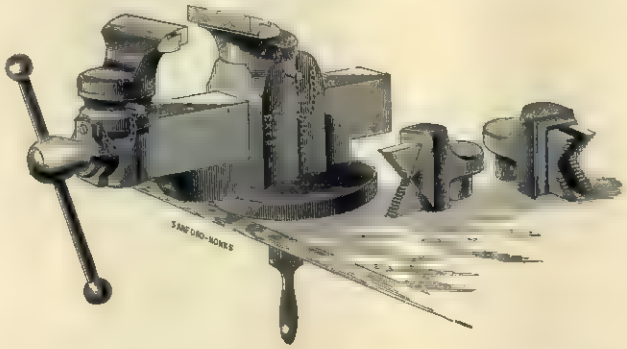

Fig. A-2696.

No **86.** With Two Sets Jaws, Weight 76 lbs., for Holding Pipe 3 Inches and smaller, Each, **$14 75**

Parker's Patent Combination.

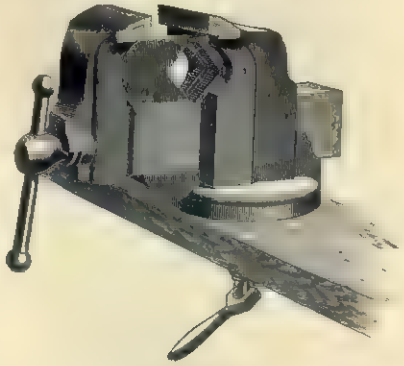

Fig. A-2698

No **87.** Round and Pipers' Jaws, Weight 41 lbs., for Holding 2 Inch Pipe and Under . Each, **$16 00**
No. **88.** Round and Pipers' Jaws, Weight 59 lbs., for Holding 3 Inch Pipe and Under . " **20 00**
No. **88½.** Round and Pipers' Jaws, Weight 90 lbs , for Holding 4 Inch Pipe and Under . " **28 00**
No. **89½.** Round and Pipers' Jaws, Weight 141 lbs., for Holding 6 Inch Pipe and Under . " **35 00**

Hunter, Keller & Co.'s

With Angle Plate.

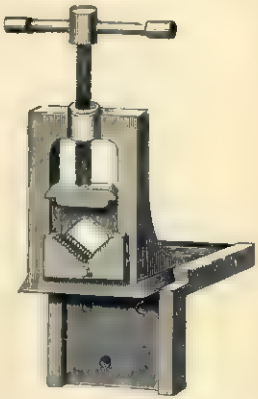

Fig. A-2697.

No **1.** Holds ⅛ to 2 Inch, each, **$ 8 00**
No **2.** Holds ½ to 3 Inch, " **15 00**
Extra Jaws for No 1 . Per set, **2 50**
Extra Jaws for No. 2 . . " **3 50**

New "Peerless" Patent Pipe Grip.

Fig A-2699

The Peerless Pipe Grip, made in a substantial manner, of cast steel throughout, can be applied to any Vise, converting it into a Pipe Vise. The Jaws are swivel, allowing the workman to cut pipe, thimbles, couplings, bolts, nuts, etc., at any angle most convenient.

No. **1.** Fits Any 3-4¾ In. Vise, Holds ¼-2½ In. Pipe, **$2 50**
No. **2.** Fits Any 5-6½ In. Vise, Holds ¼-5 In. Pipe, **2 75**

No. **187.** Round and Pipers' Jaws, Weight 41 lbs., Holding 2 Inch Pipe and Under . . . . . Each, **$16 00**
No. **188.** Round and Pipers' Jaws, Weight 59 lbs., Holding 3 Inch Pipe and Under . . " **20 00**
No. **188½.** Round and Pipers' Jaws, Weight 90 lbs , Holding 4 Inch Pipe and Under . . . " **28 00**
No. **189½.** Round and Pipers' Jaws, Weight 141 lbs , Holding 6 Inch Pipe and Under . . . " **35 00**

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Pipe Vises.

Open Frame, Rapid Moving.

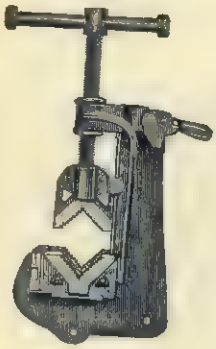

Fig. A-2700. Front View.

The novel feature about this Vise is the rapidity with which you can increase or decrease the size of aperture which holds the pipe. By raising the lever, the threaded nut through which the screw passes opens, and the screw can be raised or lowered without the slow revolving movement of the screw. If you are cutting 2-inch pipe, and want to hold ⅛ inch in Vise, simply raise lever and the screw will immediately drop, then press lever back into position, and a single turn of screw will hold pipe tight. By this device you can open and close or change a Vise in as little time as it is possible by any device, and quicker than anything now employed. This Vise can be bolted from bottom or side as preferred. It is strong, well made, and of best materials.

No. **1.** Takes from ⅛ to 2 Inch Pipe . . . . . Each, **$6 50**

Fig A-2701. Back View.

Seven Pound Vise.

Fig A-2702.

This Vise can be carried in a tool bag, and its weight will not be noticed. It is made of steel, and is guaranteed to stand as much strain and do the same work as the big, cumbrous twenty-pounder, so generally used. It is made particularly for the plumber to carry about on jobbing where a Vise is necessary, but will, at the same time, answer every purpose of a heavy Vise. When to take the usual Shop Vise causes a loss of time and probably a hauling or express charge, this Vise will let him reach his work with despatch and unwearied.

Each **$4 50**

Takes All Size Pipe up to Two Inches.

Sunset.

Fig. 2703.

No. **3.** Takes Pipe ⅛ to 2 Inches.

Each **$6 50**

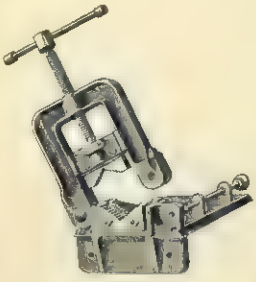

Fig A-2703. No. 3.

Fig. 2704.

No. **6.** Takes Pipe ⅛ to 4 Inches

Each **$12 00**

No. **7.** Takes Pipe 1 to 6 Inches

Each **$20 00**

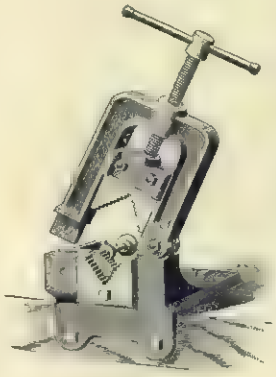

Fig. A-2704. Nos. 6 and 7.

Boxwood Rules.

Two Feet. Four Fold.

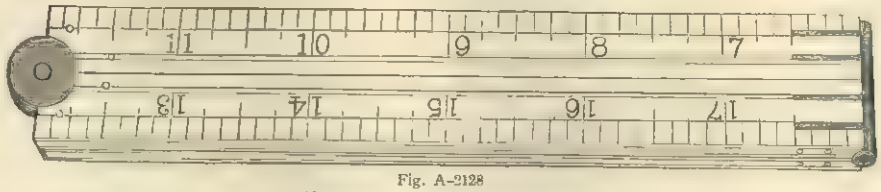

Fig. A–2128

No. 41. Round Joint, Middle Plates.

No. 41. Round Joint, Middle Plates, 8ths and 16ths, 1 Inch Wide . . . . . Per dozen, $4 00
No. 42. Square Joint, Middle Plates, 8ths and 16ths, 1 Inch Wide . . . . . " 5 00
No. 44. Square Joint, Middle Plates, 8ths and 16ths, ¾ Inch Wide, Extra Narrow . . . " 5 50
No. 44½. Square Joint, Edge Plates, 8ths and 16ths, ¾ Inch Wide, Extra Narrow, Thin . . . " 8 00

Fig. A–2129.

No. 42¼. Square Joint, Half Bound.

No. 42¼. Square Joint, Half Bound, 8ths, 12ths, and 16ths, 1 Inch Wide . . . . . Per dozen, $12 00
No. 42½. Square Joint, Bound, 8ths, 12ths, and 16ths, 1 Inch Wide . . . . . " 15 00

Fig. A–2130.

No. 50. Double Arch Joint.

No. 50. Double Arch Joint, Middle Plates, 8ths, 12ths, and 16ths, 1 Inch Wide . . . . . Per dozen, $ 9 00
No. 52. Double Arch Joint, Bound, 8ths, 12ths, and 16ths, 1 Inch Wide . . . . . " 21 00

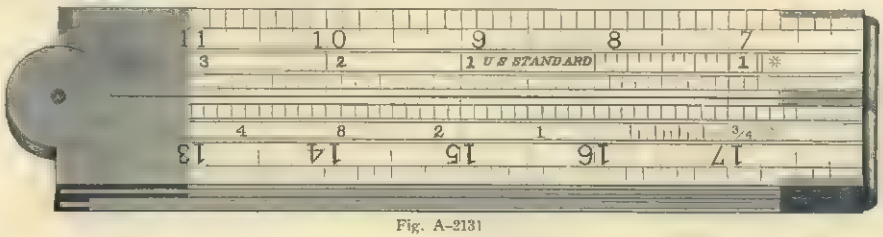

Fig. A–2131

No. 56. Square Joint, Edge Plates.

No. 54. Square Joint, Middle Plates, 8ths and 16ths, 1⅛ Inches Wide . . . . . Per dozen, $ 7 00
No 56 Square Joint, Edge Plates, 8ths, 16ths and Scales, 1⅛ Inches Wide . . . . . " 9 00
No. 54½. Square Joint, Bound, 8ths, 16ths and Scales, 1⅛ Inches Wide . . . . . " 18 00

Two Feet, Four Fold, Broad.—Board Measure.

No. 64. Square Joint, Edge Plates, 12ths, 16ths, and Scales, 1⅜ Inch Wide . . . . . Per dozen, $11 00

Packed as follows: No. 41, one dozen; Balance, half dozen in a box.

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Boxwood Slide Rule.

Two Feet, Four Fold.

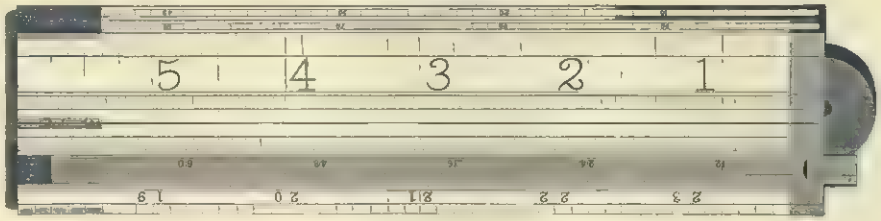


Fig. A–2132.

No. **83.** Arch Joint, Divided into 8ths, 12ths and 16ths . . . . . Per dozen, **$14 00**

Boxwood Rules.

Fig. A–2133.

No. **14.** Arch Joint, Gunter Slide.

Two Feet, Two Fold, with Slide.

No. **23.** Arch Joint, Plain Slide, 1⅛ Inch Wide . . . . . Per dozen, **$11 00**
No. **14.** Arch Joint, Gunter Slide, 1⅛ Inch Wide . . . . . " **14 00**

Two Feet, Two Fold, without Slide.

No. **17.** Arch Joint, Bound, 8ths and 16ths of Inches, Drafting and Octagonal Scales, 1½ Inch Wide . . . . . Per dozen, **$16 00**

Two Feet, Six Fold Rules.

No. **58½.** Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths, ¾ Inch Wide . . . . . Per dozen, **$36 00**

Three Feet, Four Fold Rules.

No. **32B.** Arch Joint, Bound, 8ths and 16ths, 1 Inch Wide . . . . . Per dozen, **$18 00**

Architects' Rules, with Beveled Edges.

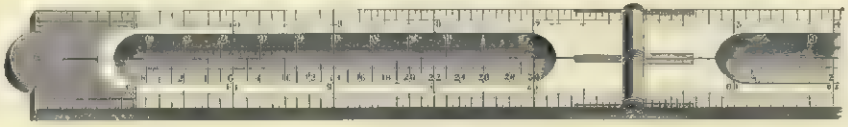


Fig. A 2134.

No. **39.** Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of Inches, with Inside Beveled Edges, and Architects' Drafting Scales . . . . . Per dozen, **$20 00**

Packed one-half dozen in a box

Ship Carpenters' Bevels.

No. **30.** Boxwood, Double Tongue . . . . Per dozen, **$6 00** No. **31.** Boxwood, Single Tongue . . . . Per dozen **$6 00**

Packed one dozen in a box.

Ivory Rules -Caliper.

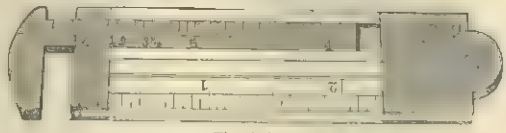


Fig. A-2135.
No. 40½

Fig. A-2136.
No. 54B

		Per dozen
No. **40½.**	Square Joint, German Silver, Bound, Two Fold 6 Inch, 8ths and 16ths, Slide in 32ds ⅝ In. Wide	**$24 00**
No. **39**	Square Joint, German Silver, Edge Plates, Four Fold 12 In., 8ths, 10ths, 12ths and 16ths, Slide in 32ds, ⅞ In Wide,	**38 00**
No. **40.**	Square Joint, German Silver, Bound, Four Fold, 12 In., 8ths and 16ths, Slide in 32ds, ⅝ In. Wide	**44 00**
No. **54B**	Square Joint, German Silver, Bound, Four Fold, 12 In., 8ths, 10ths, 12ths and 16ths, Slide in 32ds, ⅞ In. Wide.	**45 00**

Ivory Rules.

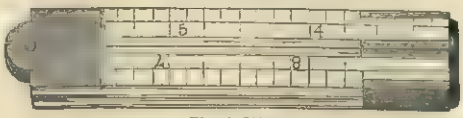


Fig. A-2137.
No. 92. Square Joint.

Ivory Rules. One Foot, Four Fold.

		Per dozen.
No. **90.**	Round Joint, Brass Middle Plates, 8ths and 16ths, ⅜ In. Wide	**$10 00**
No. **92.**	Square Joint, German Silver, Edge Plates, 8ths and 16ths, ⅜ In. Wide	**17 00**

Ivory Rules. Two Feet, Four Fold.

		Per dozen.
No. **85.**	Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of Inches, ⅞ In. Wide	**$54 00**
No. **86.**	Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of Inches, 100ths of a Foot and Drafting Scales, 1 In Wide	**64 00**
No. **87.**	Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of Inches, and Drafting Scales, 1 In. Wide	**80 00**
No. **89**	Double Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of Inches, and Drafting Scales, 1 In. Wide,	**92 00**
No. **86½**	Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of Inches, and Drafting Scales, 1 In. Wide, with Inside Beveled Edges	**96 00**

One-half dozen in a box.

"Stephens'" Patent Combination Boxwood Rule

No. **36.** Square Joint, Bound (Level, Square, Plumb, Etc.), 1¾ Inches Wide.

Per dozen **$40 00**

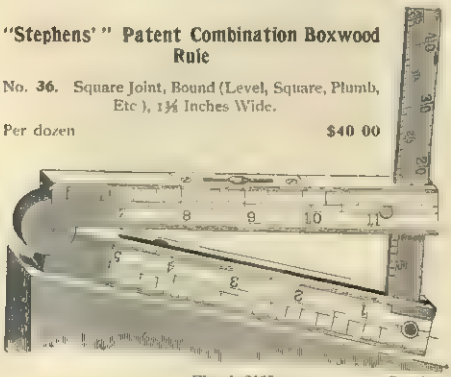


Fig. A-2138. One-half dozen in a box.

Brass Rules.

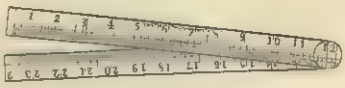


Fig. A-2139

Two Feet, Two Fold . Per dozen, **$12 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Folding Steel Pocket Rules.

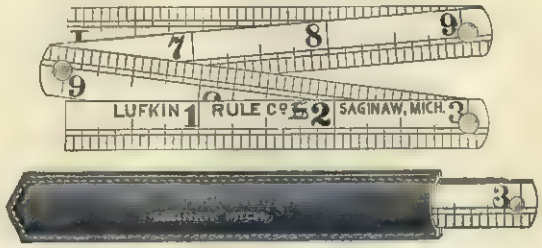


Fig. A-2140.

No. **41.** 1 Foot, Folding, Pocket, ⅜ In. x 28 Gauge, 4 In. Joints, 3 Fold, in Case . . . . . Per dozen, **$ 5 50**

No. **31.** 2 Foot, Folding, Pocket, ⅜ In. x 28 Gauge, 3 In. Joints, 8 Fold, in Case . . . . . " **10 00**

No. **70.** 2 Foot, Folding, Pocket, ½ In. x 21 Gauge, 6 In. Joints, 4 Fold, 8ths of Inches on one Side, 16ths on the Other, no Case **14 00**

No. **80.** 2 Foot, Folding, ½ In. x 21 Gauge, 12 In. Joints, 2 Fold, 8ths of Inches on one Side, 16ths on the other, No Case **10 00**

One dozen in a box.

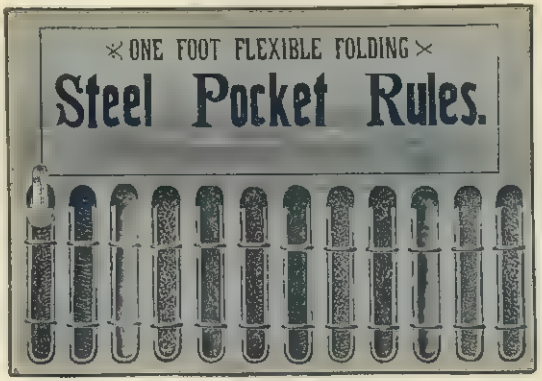


Fig. A-2141

1 Dozen 1 Foot Steel Rules, in Case, on Card . . . . . Per card, **$5 50**

Boxwood Rope Calipers.

6 Inches, Calipering Rope to 18 Inches Circumference . . . . . Each, **$2 50**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Board and Log Rules.

Fig A-2142

Lufkin's No. **2**, 3 Tier, 3 Feet, Brazed Head . . . . . Per dozen, **$25 00**
Lufkin's No. **4**, 3 Tier, 3 Feet, Steel Head . . . . . " **21 00**

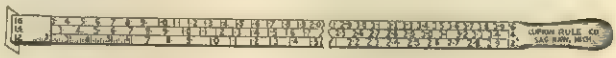


Fig. A-2143.

Doyle's Board and Log Rules.

No. **13½**. 4 Tier, 3½ Feet, Brazed Head . . . . . Per dozen, **$30 00**

Fig. A-2144

Scribner's Log Rules.

No. **14**. Square Head, 4 Feet . . . . . Per dozen, **$27 00**

Board and Log Measures.

No. 43½

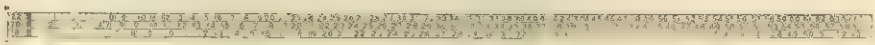


Fig. A-2145

No. 49

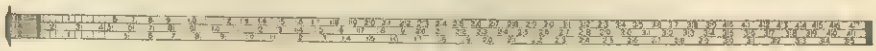


Fig A-2146

No. 48.

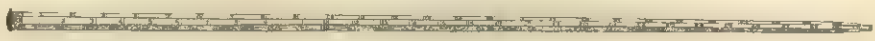


Fig. A-2147.

NOTE Nos. 43½, 48, and 49 give the contents in Board Measure of 1 inch boards.

DIRECTIONS.—Place the stick across the flat surface of the board, bringing the inside of the Cap snugly to the edge of the same; then follow with the eye the column of figures in which the length of the board is given as the first figure under the Cap, and at the mark nearest the opposite edge of the board will be found the contents of the board in feet.

NOTE —The Log Measure No. 48½ has Doyle's Revised Tables, and gives the number of feet of one inch square edge boards, which can be sawed from a log of any size, from 12 to 36 inches in diameter and of any length. The figures immediately under the head of the cane, are for the lengths of logs in feet. Under these figures, on the same line, at the mark nearest the diameter of the log, will be found the number of feet the log will make.

No **43½**. Board Stick Flat, Hickory, Cast Brass Head and Tip, 6 Lines, 12 to 22 Feet . . . . 3 Feet Long, Per dozen, **$12 00**

No. **49**. Board Stick, Flat, Hickory, Steel Head, Brazed, Extra Strong, 6 Lines, 12 to 22 Feet . 3 " " " **26 00**

No. **48**. Waking Cane, Board Measure, Octagon, Hickory, Solid Cast Brass Head and Tip, 8 Lines, 9 to 16 Feet . . . . . 3 " " " **12 00**

No. **48½**. Walking Cane, Log Measure (Doyle's Revised), Octagon, Hickory, Solid Cast Brass Head and Tip . . . . . 3 " " " **15 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Bench Rules.

No **34** Bench Rule, Maple, Brass Tips, 2 Feet Long . . . . . Per dozen, **$3 00**
No. **35** Bench Rule, Board Measure, Brass Tips, 2 Feet Long . . . " **6 00**

Pattern Makers' Shrinkage Rules.

No **30** Pattern Makers' Shrinkage Rule, Boxwood, 8ths and 16ths of Inches, 24¼ Inches Long . . . Per dozen, **$15 00**

Wantage and Gauging Rods.

No **44** Wantage Rod, 8 Lines . . . . . Per dozen, **$ 5 00**
No **37** Wantage Rod, 12 Lines . . . . . " **7 00**
No **45** Gauging Rod, 120 Gallons, 3 Feet Long . . . . . " **7 00**
No **45½.** Gauging Rod, 180 Gallons, and Wantage Tables, 4 Feet Long . . . . . " **18 00**

Yard Sticks.

No **33.** Yard Stick, Polished . . . . . Per dozen, **$2 00**
No. **41.** Yard Stick, Brass Tips, Polished . . . . . " **3 50**
No **50.** Yard Stick, Hickory, Brass Capped Ends, Polished . . . . . " **4 50**

Freight Sticks.

5 Feet Long, with Brass Hook . . . Per dozen, **$18 00**

Triangular Boxwood Scales.

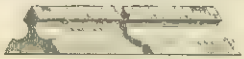


Fig. A-2148.

Nos. 63, 64, and 65 for Architects and Mechanical Draughtsmen.

Nos		Each.
63.	24 Inch Triangular Boxwood Rule, Divided to Scales of ⅛, ¼, ⅜, ½, ⅝, 1, 1½, 3, 2 and 4 In. to the Ft. and 16ths of an In.,	**$5 00**
64	12 Inch Triangular Boxwood Rule, ditto, with 3-16 and 3-32, instead of 2 and 4 inch to the foot . . .	**2 00**
65.	6 Inch Triangular Boxwood Rule, ditto	**1 50**
72.	24 Inch Triangular Boxwood Rule, on One Edge to 10ths, 20ths, 30ths, 40ths, 50ths, 60ths of an Inch . .	**5 00**
73	12 Inch Triangular Boxwood Rule, on One Edge to 10ths, 20ths, 30ths, 40ths, 50ths, 60ths of an Inch	**2 00**
75.	6 Inch Triangular Boxwood Rule, on One Edge to 10ths, 20ths, 30ths, 40ths, 50ths, 60ths of an Inch . . .	**1 50**

Nos 72 and 73 are divided either 10 to 60 or 20 to 80.

Tinners' Rule and Straight Edge.

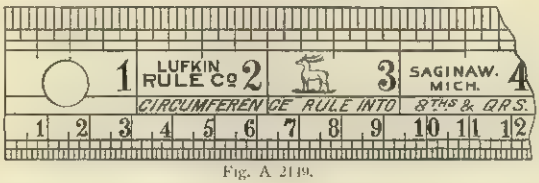


Fig. A 2149.

This Rule is gotten up expressly for tinners' use. It is made of steel, three feet in length, one and a quarter inches in width, and one-eighth inch in thickness—making a very neat and convenient straight edge.

It is laid off on one side with two rows of figures, the first row like an ordinary steel square, by eighths and inches, up to three feet. The second row is a line of circumferences divided into one hundred and thirteen equal parts; each of these divisions are again subdivided into eight equal parts, the large divisions representing an inch to a scale and the subdivisions an eighth of an inch. Therefore, against any diameter we can find circumference in this line to a scale in inches and eighths of inches.

The reverse side of the Rule gives the dimensions of measures and cans. The first two tables are for flaring measures. 1st. Liquid measures, from one to five gallons. 2d. Dry measures, from one peck to two bushels, giving diameter of top and bottom, and the height of each size and kind.

The third table is for cans with pitch or cone tops, from one to ten gallons, giving diameter of top and body, and compass mark for striking breast.

The fourth table is for flat top cans from one to two hundred gallons (thirty-one different sizes), giving height and diameter.

The fifth table is for dry measure, from one quart to three bushels, giving height and diameter.

These tables are gotten up with great care, and with special reference to economy of stock, with the best proportions in cans and measures.

dozen **$30 00**

Brunswick Razors.

Every Razor Guaranteed.

Fig. A 4348.

No. **551.**	Blade ⅛ Inch Wide, Black Rubber Oval Handle	Per dozen,	**$9 00**
No. **551.**	Blade ⅜ Inch Wide, Black Rubber Oval Handle	"	**9 00**
No. **551**	Blade ¼ Inch Wide, Black Rubber Oval Handle	"	**9 00**

Fig. A 4349.

No. **556.**	Blade ⅛ Inch Wide, Black Rubber Oval Handle, ¼ Concave	Per dozen,	**$12 00**
No. **556.**	Blade ⅜ Inch Wide, Black Rubber Oval Handle, ¼ Concave	"	**12 00**
No. **556.**	Blade ¼ Inch Wide, Black Rubber Oval Handle, ¼ Concave	"	**12 00**

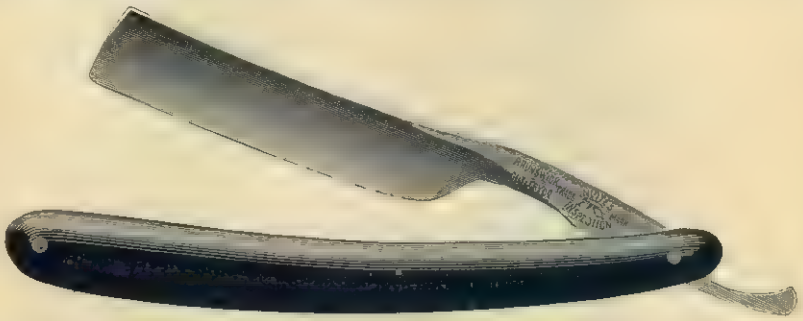


Fig. A 4350.

No. **535.**	Blade ⅛ Inch Wide, Black Rubber Oval Handle, ½ Concave	Per dozen,	**$15 00**
No. **535.**	Blade ⅜ Inch Wide, Black Rubber Oval Handle, ½ Concave	"	**15 00**
No. **535.**	Blade ¼ Inch Wide, Black Rubber Oval Handle, ½ Concave	"	**15 00**

Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Brunswick Razors.

Every Razor Guaranteed.

Fig. A–4351.

No. **533.** Blade ⅝ Inch Wide, Black Rubber Square Handle, ½ Concave . . . . . Per dozen, **$16 00**
No. **533.** Blade ⅝ Inch Wide, Black Rubber Square Handle, ½ Concave . . . . . " **16 00**
No. **533.** Blade ⅝ Inch Wide, Black Rubber Square Handle, ½ Concave . . . . . " **16 00**

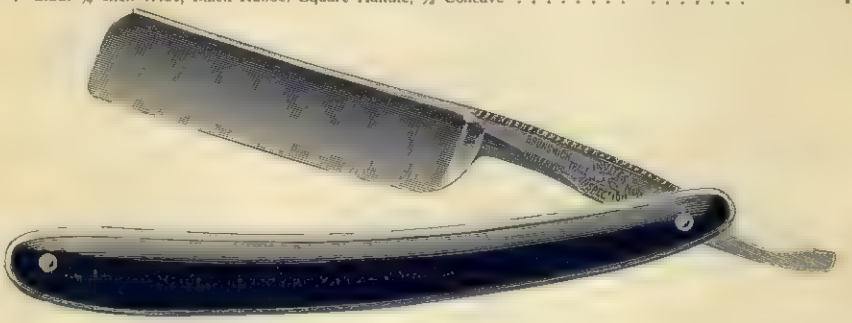


Fig. A–4352

No. **536.** Blade ⅝ Inch Wide, Black Rubber Square Handle, ½ Concave . . . . . Per dozen, **$18 00**
No. **536.** Blade ⅝ Inch Wide, Black Rubber Square Handle, ½ Concave . . . . . " **18 00**
No. **536.** Blade ⅝ Inch Wide, Black Rubber Square Handle, ½ Concave . . . . . " **18 00**

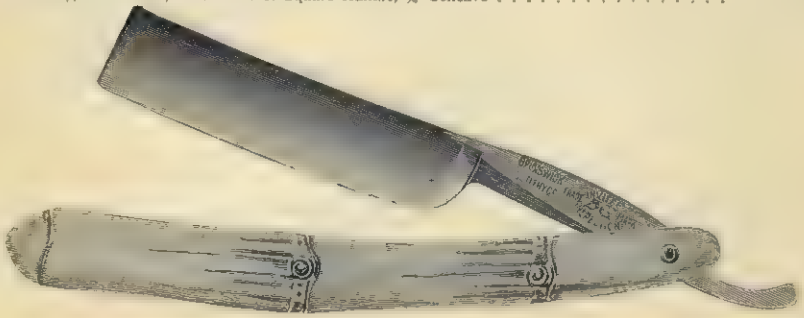


Fig. A–4353.

No. **537.** Blade ⅝ Inch Wide, Grain Celluloid, Imitation Bamboo Handle, ½ Concave . . . . . Per dozen, **$18 00**
Half dozen in a box

Brunswick Razors.

Every Razor Guaranteed.

Fig. A–4354.

No. **531.** Blade ½ Inch Wide, Black Rubber Oval Handle, ¼ Concave . . . Per dozen, **$20 00**
No. **531.** Blade ⅝ Inch Wide, Black Rubber Oval Handle, ¼ Concave . . . . . " **20 00**
No. **531.** Blade ¾ Inch Wide, Black Rubber Oval Handle, ¼ Concave . . . . . " **20 00**

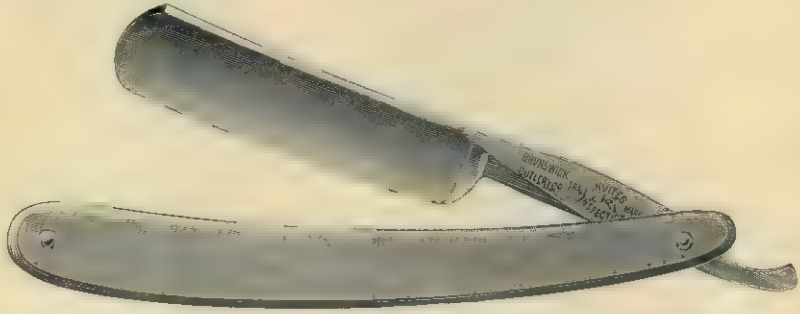


Fig A–4355.

No. **531.** Blade ½ Inch Wide, Grain Celluloid, Square Handle, ¼ Concave . . . . . Per dozen, **$18 00**
No. **531.** Blade ⅝ Inch Wide, Grain Celluloid, Square Handle, ¼ Concave . . . . . " **18 00**
No. **531.** Blade ¾ Inch Wide, Grain Celluloid, Square Handle, ¼ Concave . . . . . " **18 00**

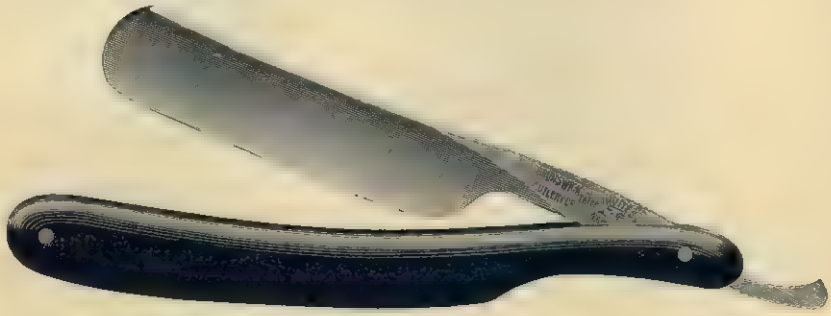


Fig. A–4356.

No. **476.** Blade ½ Inch Wide, Black Rubber Oval Cutaway Handle, ¼ Concave . . . . . Per dozen, **$18 00**
No. **476.** Blade ⅝ Inch Wide, Black Rubber Oval Cutaway Handle, ¼ Concave . . . . . " **18 00**
No. **476.** Blade ¾ Inch Wide, Black Rubber Oval Cutaway Handle, ¼ Concave . . . . . " **18 00**

Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Brunswick Razors.

Every Razor Guaranteed.

Fig. A-4357.

No. **546**	Blade ⅝ Inch Wide, Black Rubber Square Handle, Swedish Grind	Per dozen,	**$18 00**
No. **547.**	Blade ⅝ Inch Wide, Grain Celluloid Square Handle, Swedish Grind	"	**18 00**

Fig. A-4358.

No. **1412**	Blade ½ Inch Wide, Grain Celluloid Fancy Handle, ¾ Concave	Per dozen,	**$12 00**
No. **1412.**	Blade ½ Inch Wide, Grain Celluloid Fancy Handle, ¾ Concave	"	**12 00**
No **1412.**	Blade ½ Inch Wide, Grain Celluloid Fancy Handle, ¾ Concave	"	**12 00**
No. **1407**	Blade ½ Inch Wide, Grain Celluloid Fancy Handle, Full Concave	"	**18 00**
No **1407**	Blade ⅝ Inch Wide, Grain Celluloid Fancy Handle, Full Concave	"	**18 00**
No. **1407**	Blade ⅝ Inch Wide, Grain Celluloid Fancy Handle, Full Concave	"	**18 00**

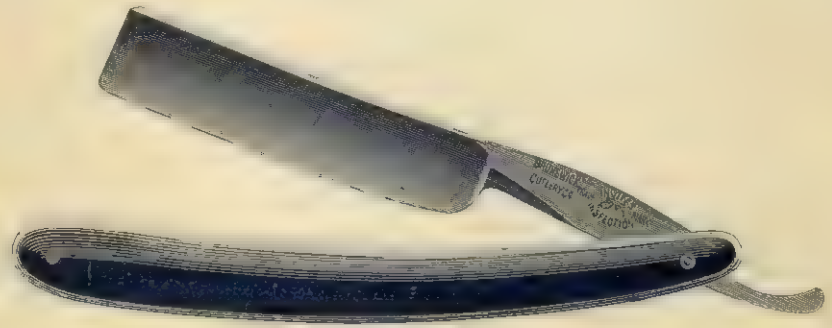


Fig. A-4359.

No. **473.**	Blade ½ Inch Wide, Black Rubber Square Handle, ¾ Concave	Per dozen,	**$20 00**
No. **473.**	Blade ⅝ Inch Wide, Black Rubber Square Handle, ¾ Concave	"	**20 00**
No. **473.**	Blade ¾ Inch Wide, Black Rubber Square Handle, ¾ Concave	"	**20 00**

Half dozen in a box.

Brunswick Razors.

Every Razor Guaranteed.

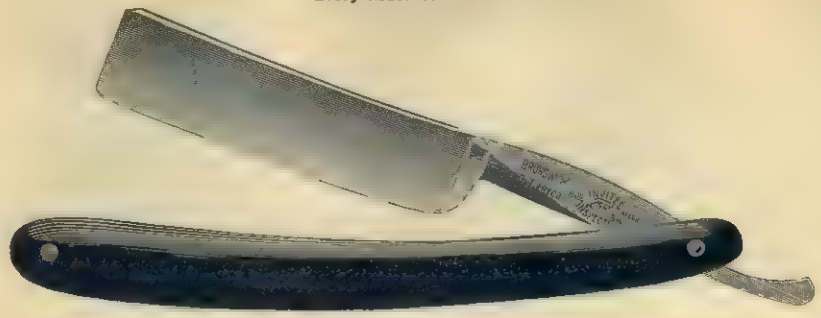


Fig. A–4360.

No. **404.**	Blade ½ Inch Wide, Black Rubber Oval Handle, Full Concave for Barbers' Use	Per dozen,	**$24 00**
No. **404.**	Blade ⅝ Inch Wide, Black Rubber Oval Handle, Full Concave, for Barbers' Use	"	**24 00**
No. **404.**	Blade ¾ Inch Wide, Black Rubber Oval Handle, Full Concave, for Barbers' Use	"	**24 00**
No. **1410.**	Blade ½ Inch Wide, Black Rubber Oval Handle, Full Concave, Fancy Etched, for Barbers' Use .	"	**30 00**
No. **1410.**	Blade ⅝ Inch Wide, Black Rubber Oval Handle, Full Concave, Fancy Etched, for Barbers' Use .	"	**30 00**
No. **1410**	Blade ¾ Inch Wide, Black Rubber Oval Handle, Full Concave, Fancy Etched, for Barbers' Use .	"	**30 00**

Fig. A–4361

No. **493**	Blade ½ Inch Wide, Tortoise Shell, Square Handle, Full Concave	Per dozen,	**$24 00**
No. **493.**	Blade ⅝ Inch Wide, Tortoise Shell, Square Handle, Full Concave	"	**24 00**
No. **493.**	Blade ¾ Inch Wide, Tortoise Shell, Square Handle, Full Concave	"	**24 00**

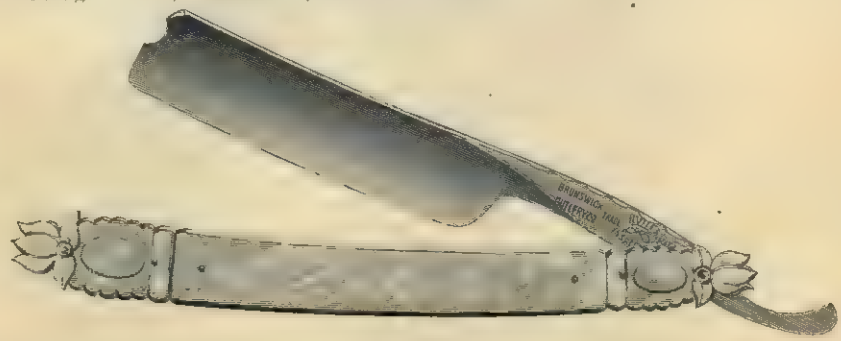


Fig. A–4362.

No. **484.** Blade ⅝ Inch Wide, Fine Pearl Handle, German Silver Lined, Hollow Point, Full Concaved . . . Per dozen, **$60 00**
Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Fox Safety Razors.

Fig. A-4363.

No. 1. The Regular Complete Safety Razor, in a Handsome Red Colored Linen Paper Box, with Silver Printing on Cover . . . . . Per dozen, **$21 00**

No. 2. The Same Case with One Extra Blade . . . . . " **27 00**

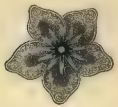
No. 3 The Same Case with Two Extra Blades . . . . . " **33 00**

Above cut shows No. 1.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

SOLID GOLD BROOCHES AND BAR PINS.

Numbers 776, 780, 783 and 786 are made to wear as a Brooch or Pendant.
776 and 786 14 KARAT. PRICES EACH.



No. 770.
Roman Color, Diamond Setting,
$8 50

No. 771.
Roman Wreath, Polished Sabre,
$10 00

No. 772.
Roman, Blue Enamel, Pearl Setting,
$9 00

No. 773.
Roman Filagree Work,
$9 00

No. 629.
$5 50

No. 774.
Roman Filagree, Pearl Setting,
$7 50

No. 775.
Bright Finish, Pearl Setting
$5 50

No. 776.
Roman Color, Diamond Setting,
$12 00

No. 778.
Bright Finish, Turquoise and Pearl Setting,
$8 00

No. 779.
Polished Sword, Roman Wreath,
$7 00

No. 780.
Roman Color, Pearl Setting,
$9 00

No. 781.
Polished Swords, Pearl Settings,
$8 50

No. 782.
Polished Bar, Colored Gold Leaves,
Pearls and Ruby, $6 00

No. 783.
Roman Color, Pearl Setting
$5 00

No. 784.
Polished Bar, Colored Gold Leaves,
Pearl Setting, $5 00

No. 785.
Rose Diamond and Pearl Setting,
Polished Bar, $6 50

No. 786.
Roman Color, Pearl Setting,
$12 00

No. 789.
Polished Bar, Settings Garnet and
Pearls, $7 50

JET AND GOLD EAR SCREWS AND GOLD LACE PINS.

CUTS ACTUAL SIZE.

ALL JET AND ONYX DROPS AND EAR SCREWS, MAT FINISH.

No. 904.
$1 00 Pair.

No. 900.
$0 67 Pair.

No. 918.
Real Onyx.
Pearl.
$7 50 Pair.

No. 919.
Real Onyx.
Pearl.
$9 00 Pair.

No. 920.
Real Onyx.
$6 00 Pair.

No. 903.
Real Onyx.
$2 50 Pair.

No. 902.
Real Onyx.
Pearl.
$7 00 Pair.

No. 910.
Enameled in Natural Colors,
Pearl Setting. $6 00 Pair.

No. 911.
Polished, Real Opals.
$7 50 Pair.

No. 912.
Polished, Real Opals.
$4 50 Pair.

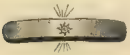
No. 913.
Polished, Emerald Setting.
$2 50 Pair.

No. 914.
Roman Color, Turquoise Center
$3 00 Pair.

No. 915.
Roman Color, Pearl Setting
$2 25 Pair.

No. 916
Roman Color, Diamond Setting.
$14 00 Pair.

No. 917.
Turquoise and Pearls.
$4 50 Pair.



No. 602.
Rose Diamond.
$4 00 Each.

No. 603.
Green Gold Leaves
$6 00 Each.

No. 604.
Turquoise and Pearls
$2 75 Each

No. 613
Three Pearls.
$3 00 Each.

No. 609.
Pearl Setting.
$5 00 Each.

No. 610.
Pearl Setting.
$3 00 Each.

No. 611
$4 50 Each.

No. 612.
Turquoise and Pearls.
$7 00 Each.

No. 616.
$4 50 Each.

No. 605.
Enameled in Natural Colors.
$2 50 Each.

No. 606.
Colored Gold Leaves.
$3 00 Each.

No. 607.
Colored Gold Leaves.
$3 00 Each.

BEST QUALITY ROLLED GOLD BROOCHES AND LACE PINS.

PRICES EACH.

No. 808.
Roman Color, Moonstone Setting.
$1 17

No. 809.
Roman Color.
$2 50

No. 810.
Roman Color, Moonstone Setting.
$1 50

No. 811.
Sea Shells and White Stone,
Polished Trimmings.
$1 25

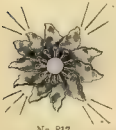
No. 812.
Roman Color, Enameled Hilt.
$2 50

No. 813.
Sea Shells and White Stones,
Bright Trimmings.
$1 75

No. 814.
Roman and Blue Enamel,
White Stone Setting.
$3 00

No. 815.
Roman Color,
Blue Enamel Hilt.
$2 50

No. 816.
Sea Shells and White Stone.
$1 25



No. 817.
Roman Color, Imitation Diamond
$2 00

No. 818.
Roman Color, White Enameled Shield
$2 25

No. 819.
Roman Color Imitation Diamond.
$2 50

No. 820.
Roman Color, Im. Diamond and Pearls.
$2 50

No. 821.
Roman Color, Blue Enameled Shield.
$2 25

No. 822.
Roman, Blue Enamel, Imitation
Diamond. $2 50

No. 823.
Bright Finish.
$2 25

No. 824.
Roman Color, Hilt Blue Enamel, Pearl Setting.
$3 00

No. 825.
Roman, Blue and White Enamel,
Pearl Center. $3 00

GOLD FRONT BROOCHES AND LACE PINS.

PRICES EACH.

No. 826.
Polished, Moonstone Setting.
$2 50

No. 827.
Polished.
$2 00

No. 828.
Pol shed, Imitation Diamond.
$2 50

No. 829.
Bright Finish.
$1 75

No. 830.
Polished.
$2 00

No. 831.
Bright Finish, Ruby Settings.
$2 50

No. 832.
Polished, Imitation Diamond.
$3 25

No. 833.
Roman Color, Turquoise Settings.
$2 50

No. 834.
Polished.
$2 00

No. 835.
Polished.
$2 00

No. 836.
Roman Color, Imitation Diamond.
$1 50

No. 837.
Polished.
$2 00

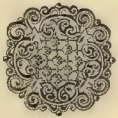
No. 838.
Half Roman.
$2 00

No. 839.
Polished Swords.
$1 75

No. 840.
Bright Finish.
$1 75

No. 841.
Roman, with Bright Trimmings,
Turquoise Settings.
$4 00

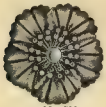
No. 842.
Bright Sword, Roman Leaves.
$1 50



No. 843.
Roman, with Bright Trimmings,
Garnet Settings.
$4 00

STERLING SILVER AND ROLLED GOLD BROOCHES.

NEWEST DESIGNS. PRICES EACH.



No. 790.
Roman Color, Moonstone Setting.
$2 50

No. 791.
Filagree Silver, Colored Roman.
$2 50

No. 792
Bright Finish
$2 25

No. 793.
Half Roman
$2 00

No. 794.
Sterling Silver, Colored Roman.
$2 50

No. 795.
Roman Color
$2 50

No. 796.
Roman Color.
$2 50

No. 797.
Filagree Silver, Colored Roman.
$3 00

No. 798.
Roman Color, Garnet Setting.
$2 25

No. 799.
Roman Color.
$1 50

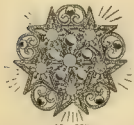
No. 800.
Sterling Silver, Filagree.
$3 25

No. 801.
Roman, with Blue Enamel Shield.
$2 50

No. 802.
Roman Color, Im. Diamond Setting.
$2 50

No. 803.
Roman Color, Imitation Diamond Setting.
$2 00

No. 804.
Sterling Silver, Filagree.
$3 00



No. 805.
Roman Color, Im. Diamond and Pearl Setting. $4 00

No. 806.
Roman and Enamel, White Stone and Garnet Settings. $3 50

No. 807.
Roman Color, Im. Diamonds and Pearls. $3 00

SOLID GOLD, GOLD FRONT AND ROLLED PLATE BIB PINS AND SAFETY PINS.

CUTS FULL SIZE.

No. 445.
Gold, Roman Color.
$2 50 Per Pair.

No. 446.
Gold, Roman Color.
$2 50 Per Pair.

No. 447.
Gold, Roman Color.
$2 50 Per Pair.

No. 448.
Plated, Roman Color.
$0 67 Per Pair.

No. 449.
Gold, Roman Color.
$3 00 Per Pair.

No. 450.
Gold, Roman Color.
$2 00 Per Pair.

No. 451.
Bright Plated.
$0 67 Per Pair.

No. 452
Gold, Roman Color.
$2 50 Per Pair.

No. 453.
Roman Gold.
$5 00 Per Pair.

No. 454.
Solid Gold,
Turquoise Setting.
$5 00 Per Pair.

No. 455.
Enameled Name.
$0 67 Per Pair.

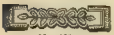
No. 456.
Solid Gold, Roman Color.
$5 00 Per Pair.

No. 457
Gold Front.
$1 00 Per Pair

No. 458.
Polished Gold.
$4 50 Per Pair.

No. 459.
Polished Gold.
$4 50 Per Pair.

No. 460.
Imt. Gold Front.
$0 34 Per Pair.



No. 461.
Gold Front.
$1 00 Per Pair.

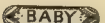
No 462.
Imt. Gold Front.
$0 25 Per Pair.

No. 463.
Imt. Gold Front.
$0 34 Per Pair.

No. 464.
Gold Front.
$1 00 Per Pair

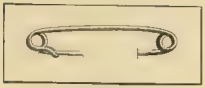
No. 465.
Assorted Enamels.
$0 34 Per Pair.

No. 466.
Gold Front.
$1 00 Per Pair.



No. 467.
Imt. Gold Front.
$0 34 Per Pair.

No. 468.
Enameled Name.
$0 67 Per Pair.



No. 196. Safety Pin
Solid Silver, $0 50 Each.
" Gold, 4 50 "

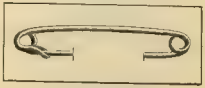
No. 471.
Assorted Enamels.
$0 34 Per Pair.

No. 195. Safety Pin.
Solid Silver, $0 50 Each
" Gold, 2 00 "

No. 477.
Assorted Enamels.
$0 34 Per Pair

No. 198. Safety Pin.
Solid Silver, $1 34 Each.

No. 470.
Assorted Enamels.
$0 34 Per Pair.



No. 197. Safety Pin.
Solid Silver, $0 90 Each.

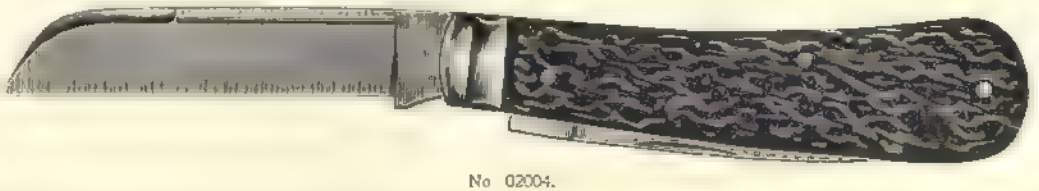
POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.

No 02001

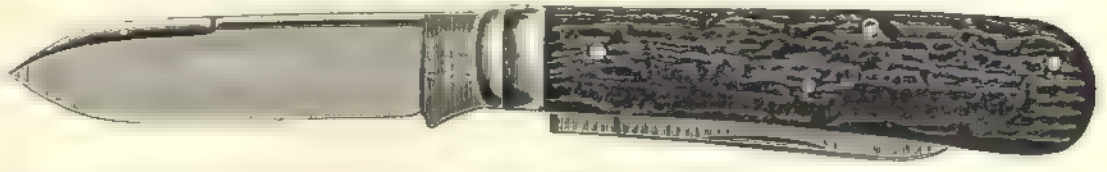
No. 02000–1 blade, iron handle, glazed, 3⅜ in., - - - - - - - - - - per dozen $3.75
No. 02001–2 blades, iron handle, glazed, 3⅜ in., - - - - - - - - - - " 5.75

No. 02002–2 blades, stag handle, iron lined, glazed 3½ in - - - per dozen $8 40



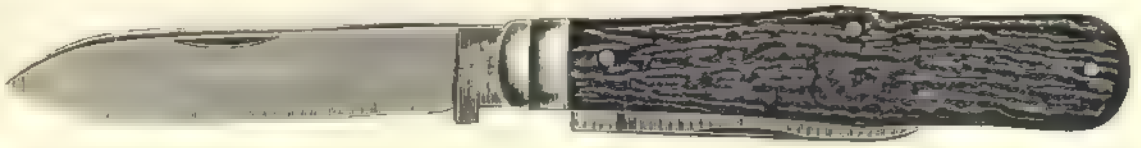
No 02004.

No. 02003 2 blades, stag handle, iron lined glazed 3¼ in - - - - - - per dozen $7.80
No. 02004–2 blades, stag handle, iron lined large blade crocus polished, 3⅝ in, - - " 8 40



No. 02006

No. 02005 2 blades, stag handle iron lined large blade crocus polished, 3⅝ in, - - per dozen $ 8 40
No. 02006–2 blades, stag handle, iron lined, large blade crocus polished, 3⅞ in, - - - " 10 20



No. 02007 2 blades, stag handle, iron lined, large blade crocus polished, 3⅞ in, - - - per dozen $11.40

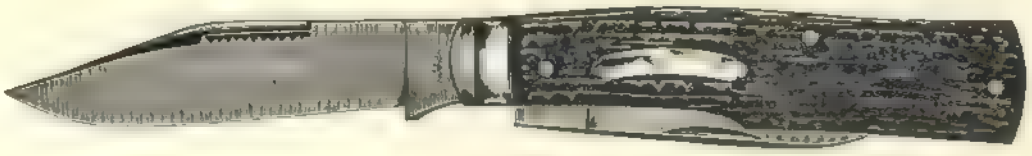
No. 02008.

No. 02008–2 blades ebony handle, brass lined, large blade crocus polished 4 in, - - per dozen $11 65
No. 02009 2 blades, buffalo handle, brass lined, large blade crocus polished, 4 in, - - " 12 60
No. 02010 2 blades, stag handle, brass lined, large blade crocus polished, 4 in, - - " 12 60

HALF DOZEN IN A BOX.

POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.



No 02011.

No. 02011–2 blades, stag handle, iron lined, large blade crocus polished clip point, 3⅝ in., per dozen $9 00
No. 02012–2 blades, stag handle, iron lined, large blade crocus polished spear point 3⅝ in " 9 00

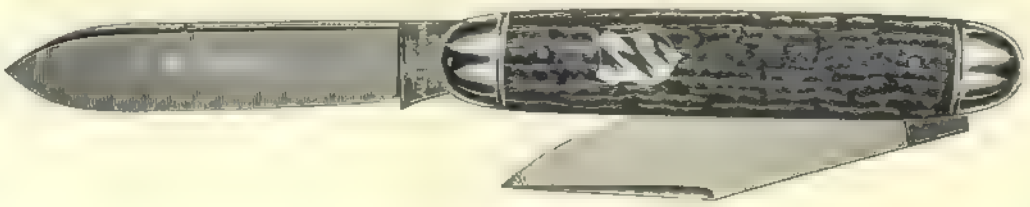
No. 02013 2 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in., per dozen $11.40

No 02014

No. 02014–2 blades, buffalo handle, brass lined, large blade crocus polished 3½ in., per dozen $12.60
No. 02015–2 blades, stag handle, brass lined, large blade crocus polished, 3½ in " 12 60

No. 02016–2 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in per dozen $12.20

No. 02017–2 blades, stag handle, iron lined, large blade crocus polished 3⅝ in., per dozen $11.40



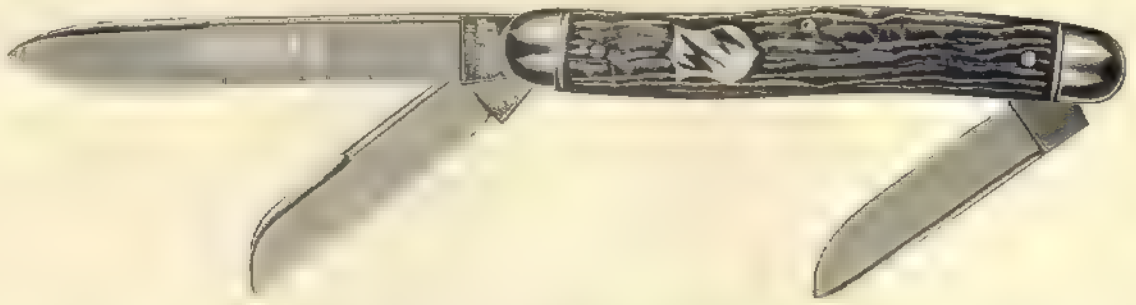
No. 02018–2 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in., per dozen $14.40

HALF DOZEN IN A BOX

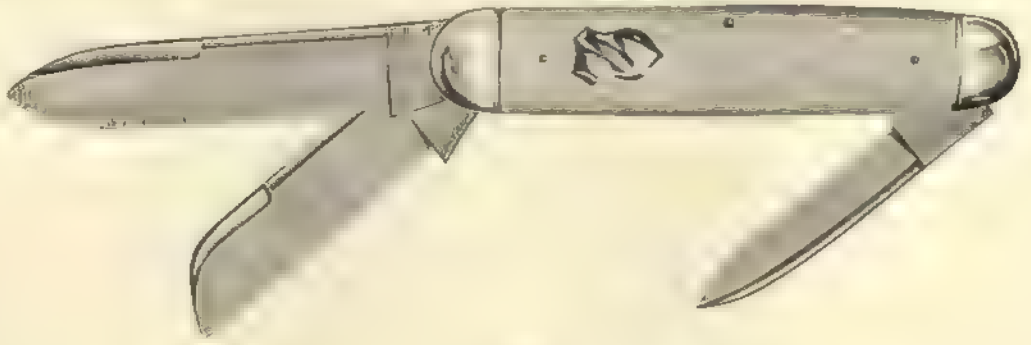
POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.

No. 02019 2 blades stag handle, brass lined large blade crocus polished 3⅝ in., . . . per dozen $13.20



No. 02020-3 blades, stag handle, brass lined, crocus polished, 3⅞ in., ... per dozen $18 00



No. 02023

No. 02021–3 blades, buffalo handle, brass lined, crocus polished, 3⅝ in., . . per dozen $16.80
No. 02022-3 blades, stag handle, brass lined, crocus polished, 3⅝ in., " 16.80
No. 02023-3 blades, pearl handle, brass lined, crocus polished, 3⅝ in., . . . " 27.50

No. 02024 2 blades, stag handle iron lined, large blade crocus polished, 4 in., . . . per dozen $14 50

No. 02025-1 blade, iron handle glazed, 4¼ in., ... per dozen $6 25

HALF DOZEN IN A BOX

POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.

No. 02027.

No. 02026–2 blades, stag handle, brass lined crocus polished, single bolster, 3⅝ in., - - per dozen $11 65
No. 02027 2 blades, stag handle, brass lined, crocus polished, double bolster, 3⅝ in., 12.60

No. 02028.

No. 02028 2 blades, buffalo handle, brass lined, crocus polished, 3¼ in. - - - - per dozen $13.80
No. 02029–2 blades, stag handle, brass lined, crocus polished, 3¼ in., - - - - " 13.80

No. 0326

No. 0326 1 blade, ivory handle, brass lined, crocus polished NON XLL, 3¼ in., - - - per dozen $13 80
No. 0146–1 blade, ivory handle, brass lined, crocus polished, Morley, 2⅞ in., - - - " 10 00

No. 0467 2 blades, ivory handle, brass lined, crocus polished, 3¾ in., - - - - per dozen $12.60

No. 02033

No. 02031 2 blades, buffalo handle brass lined crocus polished, 3 in., - - - - per dozen $ 7 80
No. 02032–2 blades, stag handle, brass lined, crocus polished, 3 in., - - - - " 7.80
No. 02033–2 blades, pearl handle, brass lined, crocus polished, 3 in., - - - - " 14.40

No. 02037.

No. 02034 2 blades, buffalo handle, brass lined crocus polished, 3⅜ in., - - - - per dozen $ 7.20
No. 02035–2 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - " 7.20
No. 02036–2 blades, ivoride handle, brass lined, crocus polished, 3⅜ in., - - - - " 7.20
No. 02037–2 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - " 16.20
No. 02038–2 blades, pearl handle, brass lined, crocus polished, 3⅛ in., - - - - " 14.40

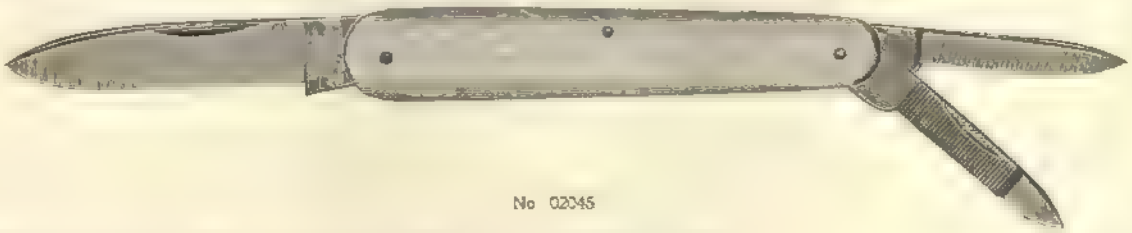
HALF DOZEN IN A BOX

POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.

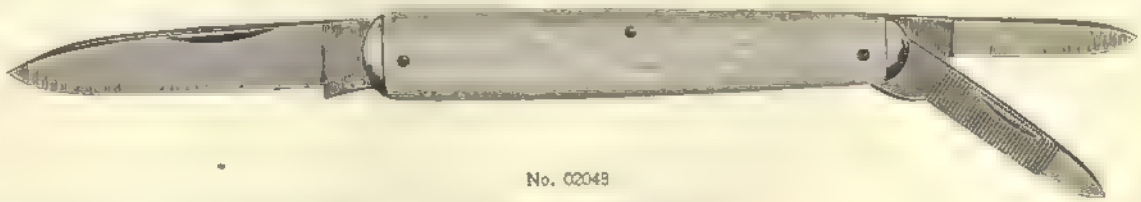
No. 02041

No. 02039 2 blades buffalo handle, brass lined, crocus polished 3⅛ in., - - - - per dozen $10 80
No. 02040 2 blades, stag handle brass lined, crocus polished 3⅛ in., - - - - " 10 80
No. 02041 2 blades, ivoride handle, brass lined, crocus polished, 3⅛ in., - - - - " 10 80



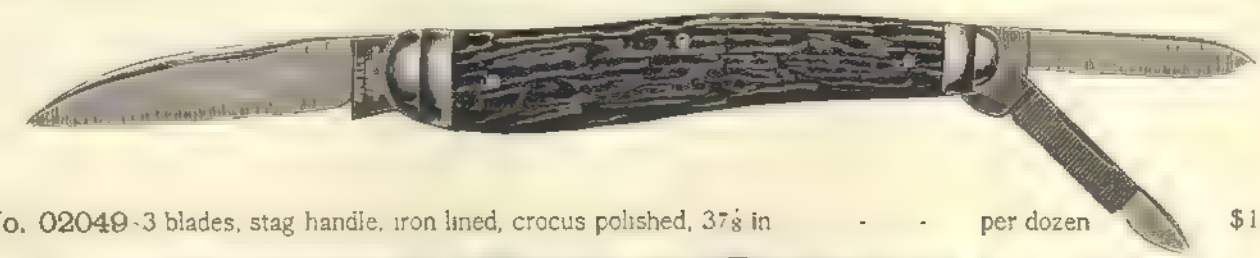
No. 02045

No. 02042–3 blades, buffalo handle, brass lined, crocus polished, 3⅜ in., - - - - per dozen $12 60
No. 02043–3 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - " 12.60
No. 02044–3 blades, ivoride handle, brass lined, crocus polished, 3⅜ in., - - - - " 12.60
No. 02045 3 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - " 25 20

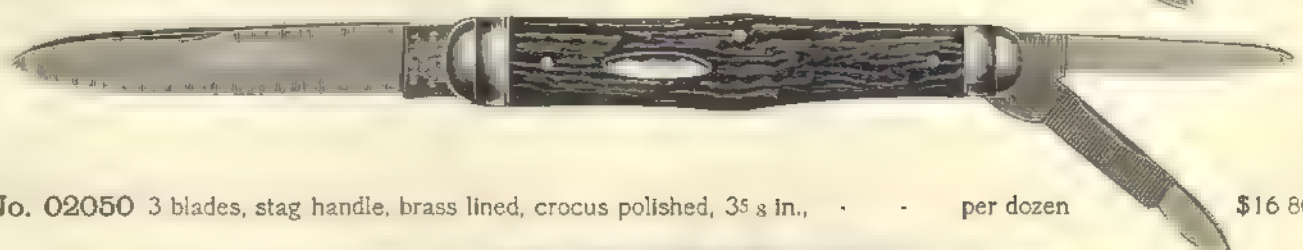


No. 02049

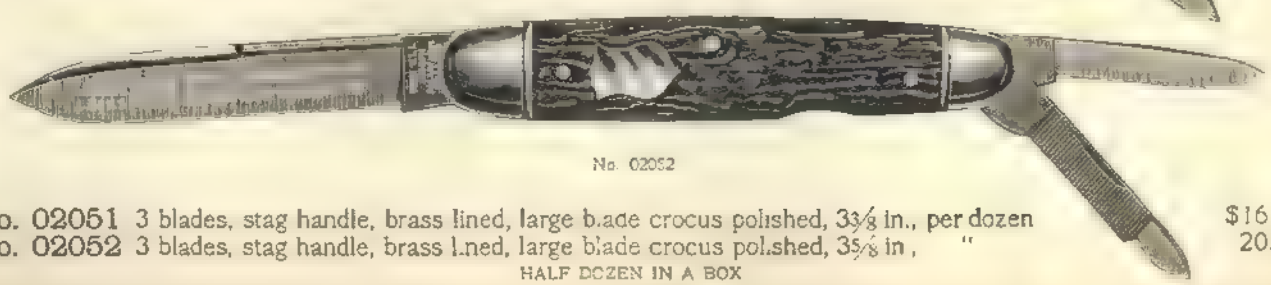
No. 02046–3 blades, buffalo handle, brass lined, crocus polished, 3⅜ in., - - - - per dozen $14 40
No. 02047–3 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - " 14 40
No. 02048–3 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - " 24 00



No. 02049–3 blades, stag handle, iron lined, crocus polished, 3⅞ in - - per dozen $15.00



No. 02050 3 blades, stag handle, brass lined, crocus polished, 3⅝ in., - - per dozen $16 80



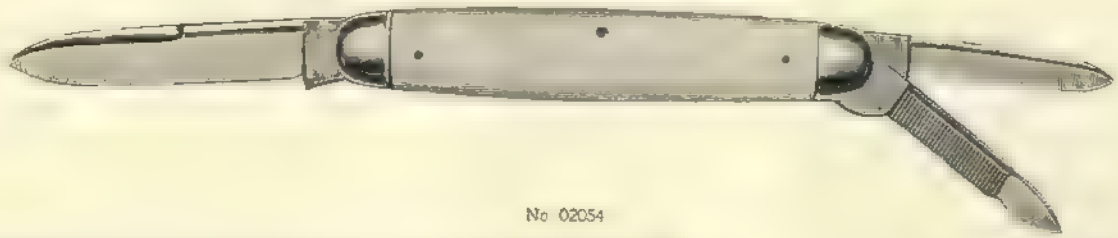
No. 02052

No. 02051 3 blades, stag handle, brass lined, large blade crocus polished, 3⅜ in., per dozen $16 20
No. 02052 3 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in., " 20.40

HALF DOZEN IN A BOX

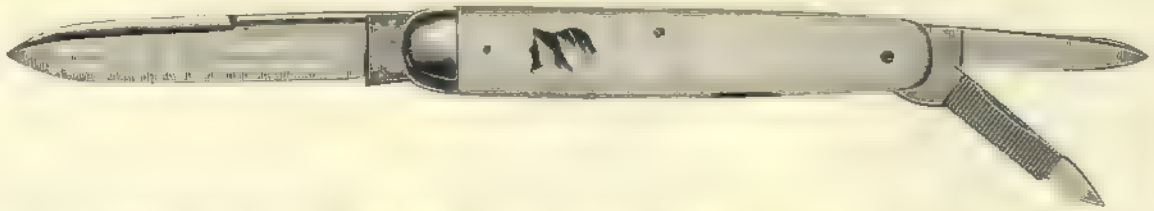
POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.

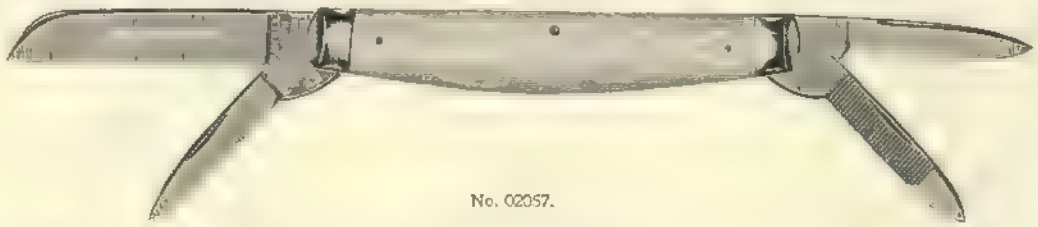


No. 02054

No. 02053 3 blades, stag handle brass lined, crocus polished, 3 5/8 in. . . . . per dozen $15 25
No. 02054 3 blades, pearl handle brass lined, crocus polished, 3 5/8 in . . . . " 24 00

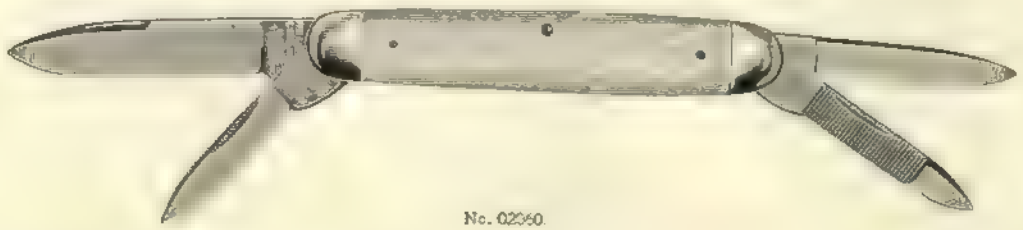


No. 02055 3 blades, pear. handle, brass lined, crocus polished, 3 5/8 in. . . . . per dozen $27 60



No. 02057.

No. 02056 4 blades, stag handle, brass lined, crocus polished 3 1/4 in. . . . . per dozen $14 40
No. 02058 4 blades, stag handle, iron lined, crocus polished, 3 1/2 in. . . . . " 14 40
No. 02057 4 blades, pearl handle, brass lined, crocus polished, 3 1/8 in. . . . . " 22 20



No. 02060.

No. 02059 4 blades, stag handle, brass lined, crocus polished, 3 3/8 in. . . . . per dozen $16.20
No. 02060 4 blades, pearl handle, brass lined, crocus polished, 3 in. 24 00

No. 02062

No. 02061 4 blades, stag handle, brass lined crocus polished, 3 1/4 in. . . . per dozen $18 00
No. 02062 4 blades pearl handle, brass lined, crocus polished, 3 1/8 in. . . . " 24 60

HALF DOZEN IN A BOX

MAMMOTH STORE LAMPS.

JUNO.

300 Candle Power.

Burn 12 Hours.

Capacity One Gallon.

Oil Indicator to

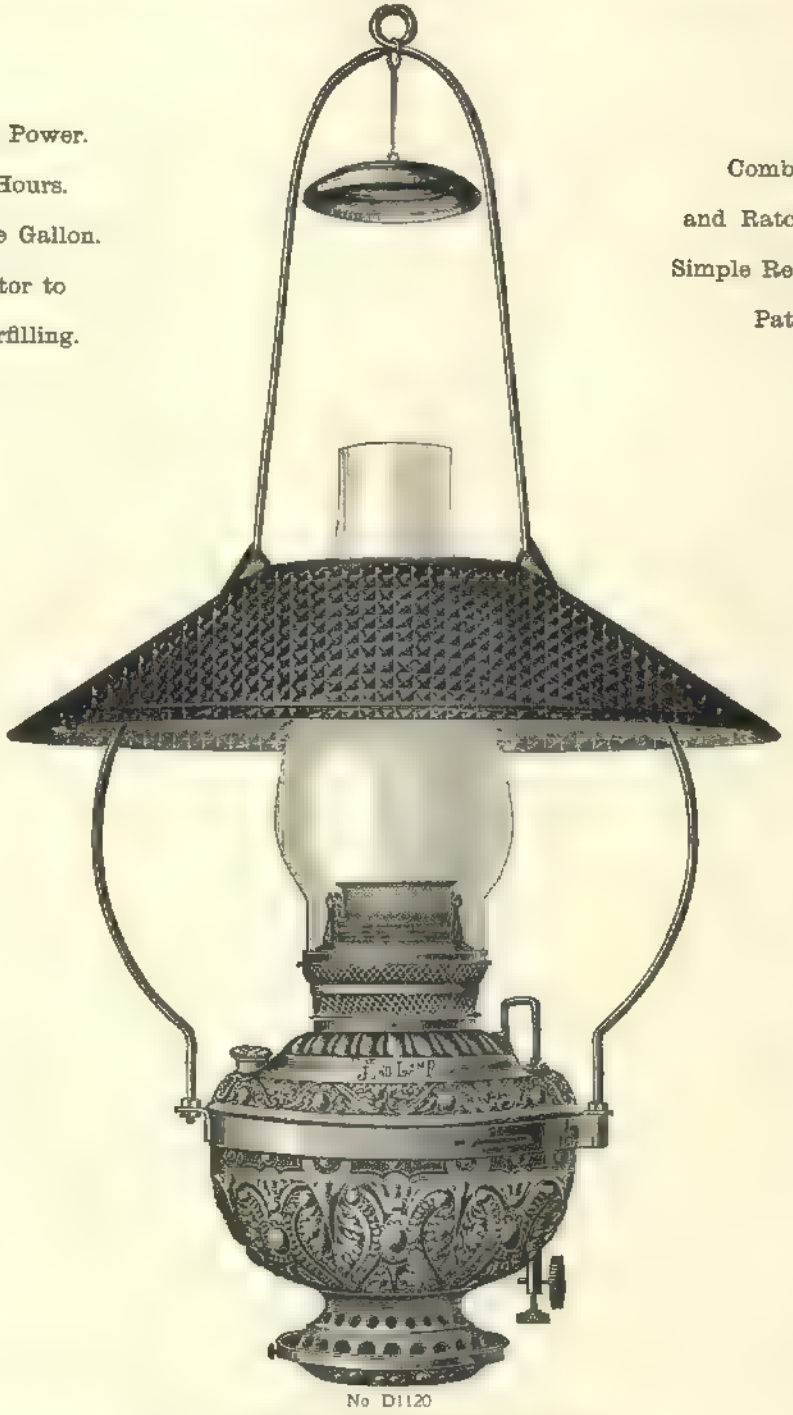
Prevent Overfilling.

Combined Screw

and Ratchet Movement.

Simple Rewicking Device.

Patent Drip.



No D1120

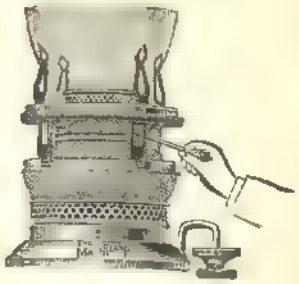
Juno, Central Draft, Embossed Fount.

No. D1114–Brass, 14 in white dome shade, No. 3 Rochester chimney and wick,	each	$5.80
No. D01114 Nickel, 14 in white dome shade, No 3 Rochester chimney and wick,	"	6.30
No. D1115–Brass, 15 in corrugated tin shade, No 3 Rochester chimney and wick,	"	5.25
No. D01115–Nickel, 15 in corrugated tin shade, No 3 Rochester chimney and wick,	"	5.75
No. D1120–Brass, 20 in corrugated tin shade, No 3 Rochester chimney and wick,	"	5 50
No. D01120 Nickel, 20 in corrugated tin shade, No 3 Rochester chimney and wick,	"	6.00
No. D1128–Brass, without shade, No. 3 Rochester chimney and wick,	"	4.85
No. D01128–Nickel, without shade, No. 3 Rochester chimney and wick,	"	5.35

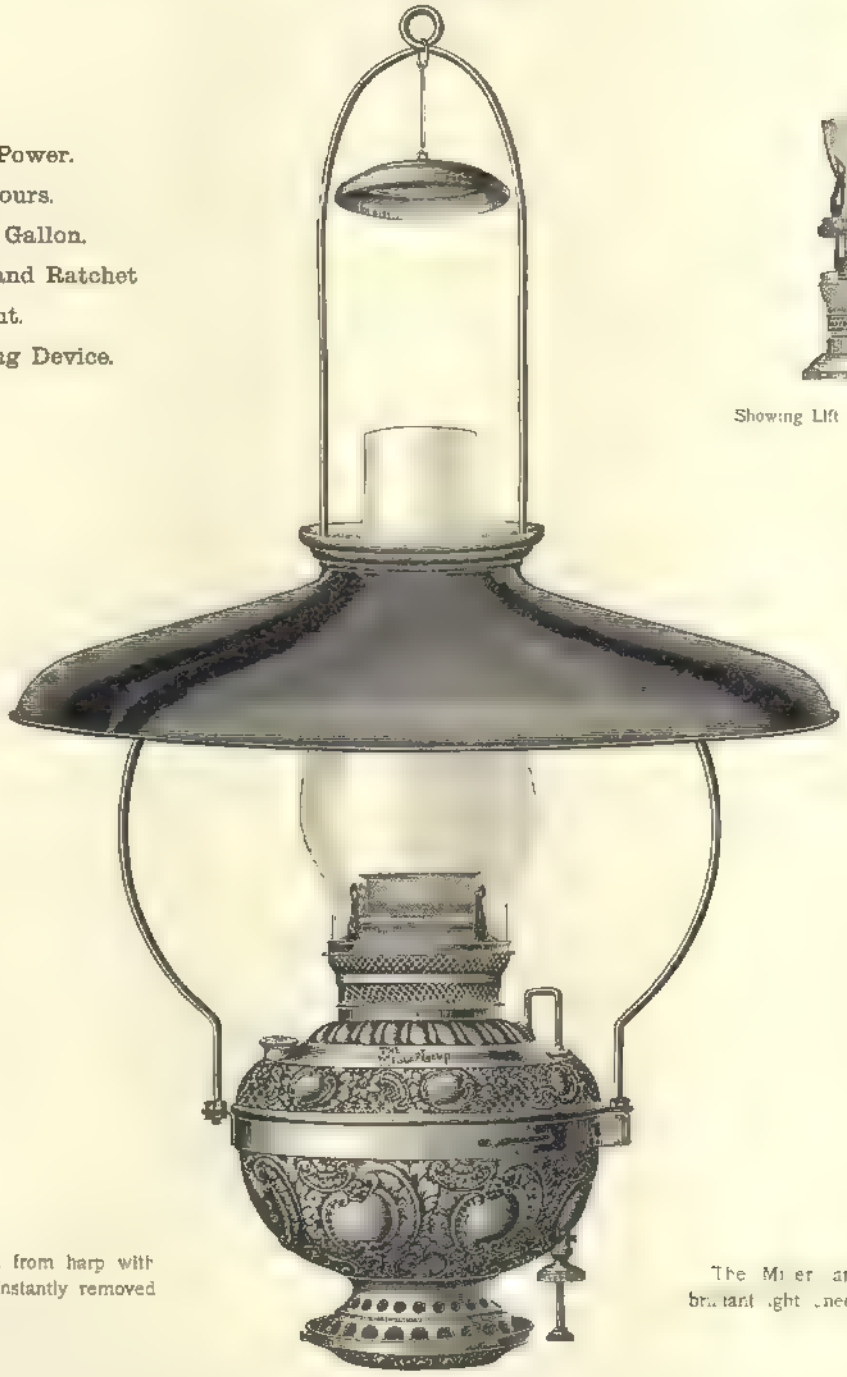
MAMMOTH STORE LAMPS.

NEW MILLER.

300 Candle Power.
Burn 12 Hours.
Capacity One Gallon.
Combined Screw and Ratchet Movement.
Simple Rewicking Device.



Showing Lift Attachment for Lighting.



Fount can be removed from harp with ease. The wick can be instantly removed and as readily replaced.

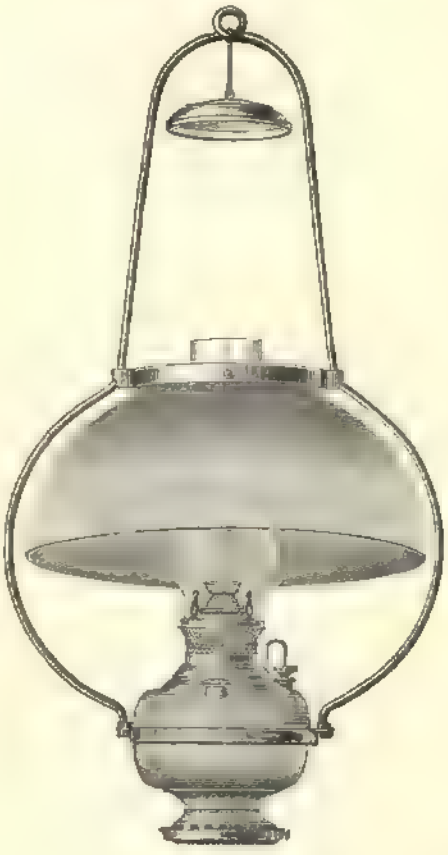
The Miller lamp gives a steady large, brilliant light unequaled by any

Central Draft, Embossed Fount, Length 36 Inches.

No. 920	Brass embossed fount, 20 in. new enameled shade No. 3 Rochester chimney and wick,	each $6 00
No. 0920	Nickel embossed fount, 20 in new enameled shade, No. 3 Rochester chimney and wick,	" 6 50
No. 926	Brass embossed fount, 26 in new enameled shade, No 3 Rochester chimney and wick,	6 85
No. 0926	Nickel embossed fount, 26 in new enameled shade, No 3 Rochester chimney and wick,	7 35
No. 928	Brass embossed fount, without shade, No 3 Rochester chimney and wick,	5 35
No. 0928	Nickel embossed fount, without shade, No 3 Rochester chimney and wick,	5 85

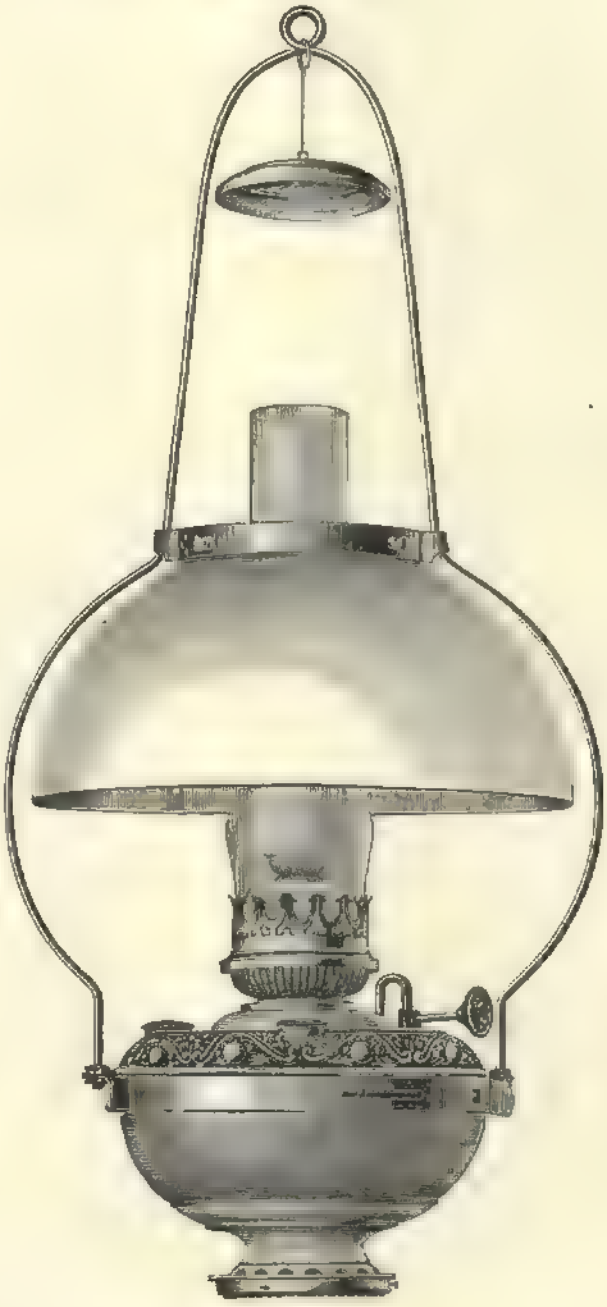
MAMMOTH STORE LAMPS.

NEW MILLER.



Nos. D9173 and D09173

DRESDEN.



Nos. 00 and D00.

New Miller, Central Draft, Length 30 Inches.

No. D9173 Polished brass, 14 in white dome shade, No 2 Rochester chimney and wick, - - each $4 00
No. D09173 Nickel plated, 14 in white dome shade, No 2 Rochester chimney and wick, - - " 4 50

These lamps contain all patented improvements of Miller Mammoth Lamps shown on other pages. The fount and burner are smaller however

Dresden, Central Draft, Length 30 Inches.

No. 00 Polished brass, 14 in white dome shade, No 00 Belgian chimney and wick - - each $5 50
No. D00 Nickel plated 14 in white dome shade, No 00 Belgian chimney and wick, - - " 6 00

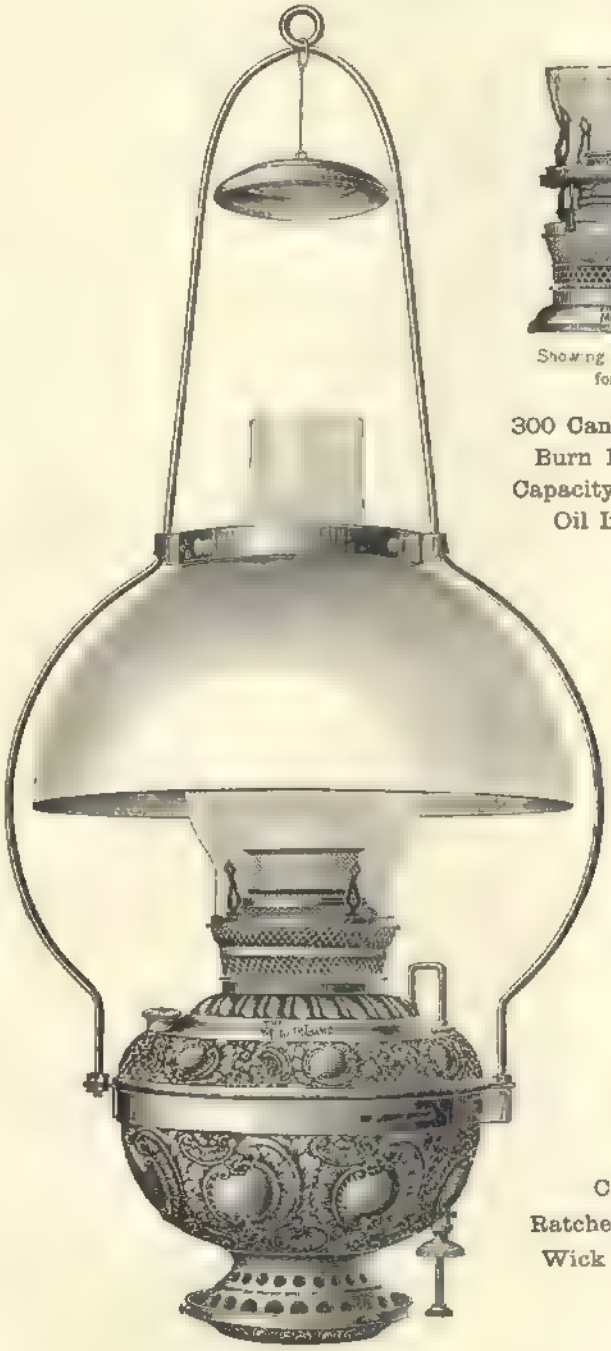
The Dresden burner with a much smaller wick, gives a light equal to No 3 Mammoth lamp An exceedingly steady pure white light The fittings of harp and fount are similar to Miller lamps.

MAMMOTH STORE LAMPS.

NEW MILLER.

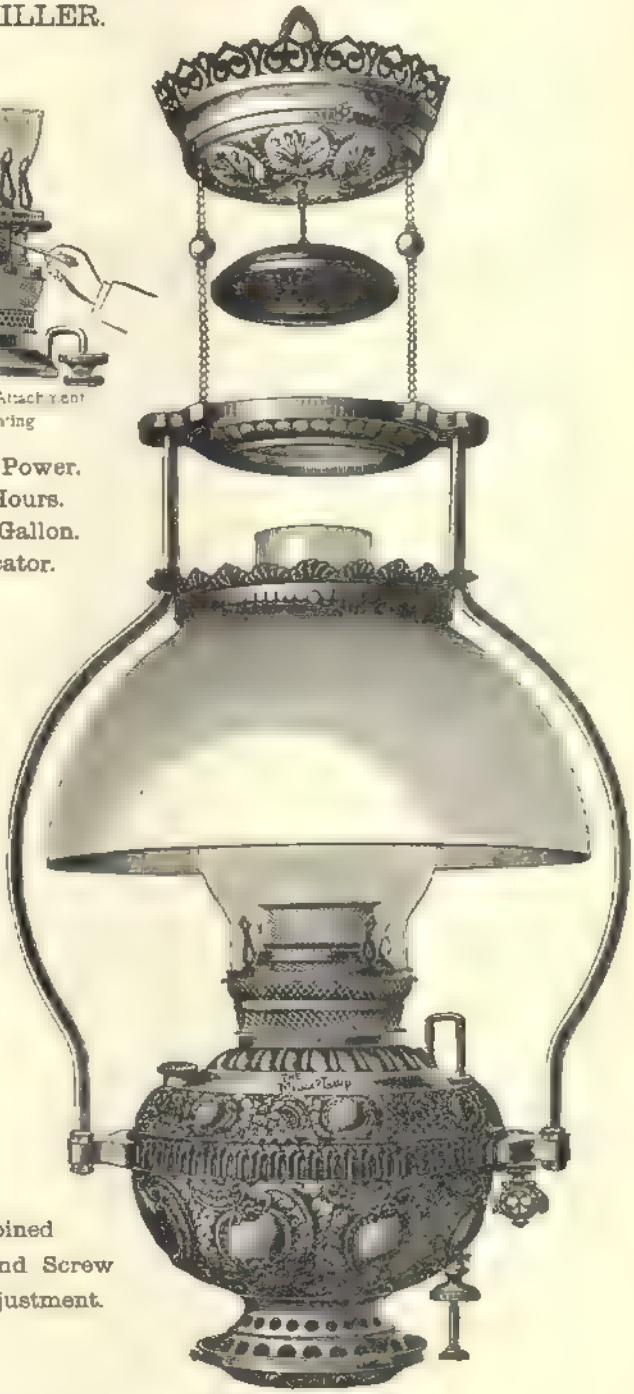
Showing Lift Attachment for Lighting

300 Candle Power.
Burn 12 Hours.
Capacity 1 Gallon.
Oil Indicator.



Nos. 914 and 0914

Combined Ratchet and Screw Wick Adjustment.



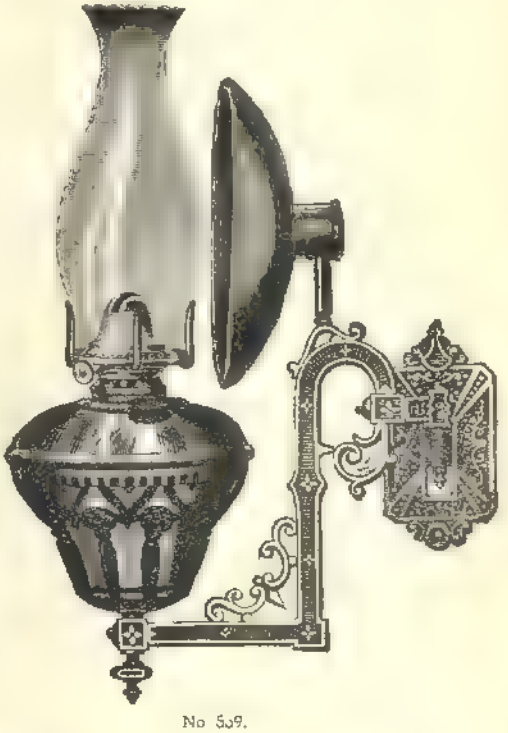
Nos. D1314 and D01314.

Central Draft, Embossed Fount.

No. 914—Brass, 14 in white dome shade, No. 3 Rochester chimney and wick, . . . each $6 50
No. 0914—Nickel, 14 in white dome shade No 3 Rochester chimney and wick, . . " 7.00
No. D1314 Brass, patent spring extension, length closed 44 in , extended 82 in , 14 in white dome shade, No. 3 Rochester chimney and wick, ... each 9.00
No. D01314—Nickel, otherwise same as No D1314, ... " 9 50

BRACKET LAMPS.

No 556

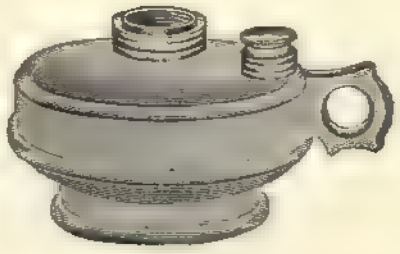


No 559.

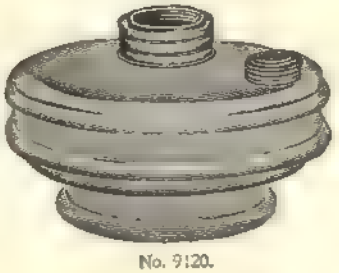
No. 556 French bronze finish bracket, No 9119 handled glass filler fount, 8 in silvered glass reflector, No. 2 Sun burner and chimney, 1 in. wick, - - - - - - - - - per dozen $12 00

No. 559 French bronze finish bracket, polished brass filler fount, 8 in silvered reflector, No 2 Sun burner and chimney, 1 in. wick, - - - - - - - - - - - per dozen 24 00

OIL FOUNTS.



No. 9119.



No. 9120.

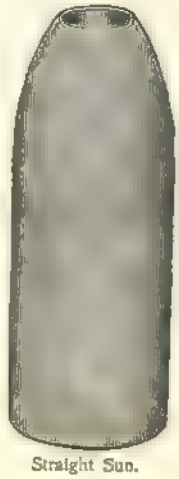
No. 9125.

No. 9119 Glass handled filler fount, takes No 2 burner, for iron chandeliers and bracket lamps, per dozen $ 2 50

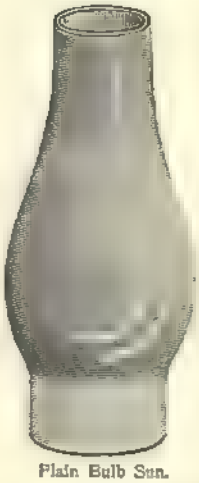
No. 9120 Glass filler fount, takes No. 2 burner, for iron chandeliers and bracket lamps, - - " 2 00

No. 9125–Brass filler fount takes No 2 burner, for library lamp chandeliers and bracket lamps No 559, also fits on gas burner, - - - - - - - - - - - - per dozen 11.00

LAMP CHIMNEYS.



Straight Sun.



Plain Bulb Sun.

Crimp Sun.

Plain Round Sun Hinge

STRAIGHT SUN.

No. 1-R R, 2½ in. bottom, outside diameter, - - - - - - - - - - per dozen $
No. 2 R R, 3 in. bottom, outside diameter, - - - - - - - - - - "
No. 2-Acme, 3 in. bottom, outside diameter, - - - - - - - - - - "

SIX DOZEN IN A CASE

PLAIN BULB SUN.

No. 2-R. R., 3 in. bottom, outside diameter, - - - - - - - - - - per dozen $
No. 2-Acme, 3 in. bottom, outside diameter, - - - - - - - - - - "

SIX DOZEN IN A CASE.

CRIMPED TOP SUN.

No. 0-R. R., 2 in. bottom, outside diameter, - - - - - - - - - - per dozen $
No. 1-Lime, 2½ in. bottom, outside diameter, - - - - - - - - - - "
No. 1-R. R., 2½ in. bottom, outside diameter, - - - - - - - - - - "
No. 1-Acme, 2½ in. bottom, outside diameter, - - - - - - - - - - "
No. 2-Lime, 3 in. bottom, outside diameter, - - - - - - - - - - "
No. 2-R. R, 3 in. bottom, outside diameter, - - - - - - - - - - "
No. 2-Acme, 3 in. bottom, outside diameter, - - - - - - - - - - "

SIX DOZEN IN A CASE

PLAIN ROUND SUN HINGE.

No. 2-R. R., 2⅝ in. bottom, outside diameter, - - - - - - - - - - per dozen $
No. 2 Acme, 2⅝ in bottom, outside diameter, - - - - - - - - - - "
No. 3 R R., 3¼ in. bottom, outside diameter, - - - - - - - - - - "

SIX DOZEN IN A CASE.

PLAIN ROUND LIPPED.

No. 3-R. R., 2¾ in. bottom, outside diameter, - - - - - - - - - - per dozen $

Adapted to No. 3 old style hinge burners.

SIX DOZEN IN A CASE

THE YALE & TOWNE MANUFACTURING CO.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Fig. A-2619.

Weston's Differential Pulley Blocks.

NOTE.—The name of "The Yale & Towne Mfg. Co." is cast on top and bottom sheaves of all genuine blocks.

The name DIFFERENTIAL refers to the device for obtaining power, and for automatically sustaining the load. This consists of a double differential sheave, cast in one piece, which (without gearing of any kind) performs both of these functions. It is the reduction of a mechanical problem to its simplest terms.

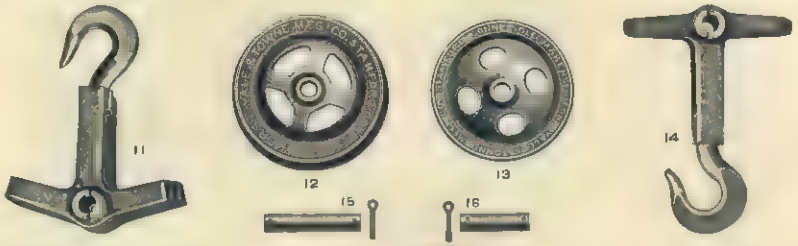
CAPACITY IN TONS	PRICE COMPLETE.	HOIST.* FEET.	HOIST.* INCHES.	NET WEIGHT IN LBS.	EXTRA CHAIN PER FOOT.
¼	$13 00	5	8	22	$0 36
½	15 00	6	0	30	38
1	20 00	6	6	51	40
1½	25 00	6	8	81	42
2	30 00	7	0	122	44

*NOTE.—Figures denote height in feet which blocks, with regular lengths of chain, will hoist from level on which operator stands. Each additional foot of hoist requires 4 feet of additional chain.

Parts of Blocks.

Parts of blocks which should be replaced because of long or excessive use can readily be obtained, and should be ordered by the designating numbers given in the accompanying illustrations on this page.

Prices of Direct Pulley Block Parts.



Group Fig. A 2620.

CAPACITY IN TONS	SHEAVES. TOP, NO. 12	SHEAVES. BOTTOM NO. 11	YOKES AND HOOKS TOP, NO. 13	YOKES AND HOOKS BOTTOM NO. 14	PINS TOP, NO. 15	PINS BOTTOM, NO. 16
¼	$1 50	$0 75	$2 50	$2 00	$0 65	$0 55
½	2 00	1 00	3 00	2 50	70	60
1	2 50	1 25	3 75	3 00	80	70
1½	3 50	1 50	4 75	3 75	1 00	80
2	5 00	2 00	6 50	4 50	1 25	1 00

THE YALE & TOWNE MANUFACTURING CO.

Fig. A 2621

The Yale Duplex Convertible Screw Block.

This Chain Block is intermediate in efficiency and price between the Differential and Triplex types, and is adapted to the widest range of uses

As indicated by its name, SCREW BLOCK, the leverage by which the hoisting capacity is obtained is that of a screw, or, more properly, a worm and worm wheel. The device by which the load is sustained, and which acts in conjunction with the worm, is capable of *conversion* at the will of the operator, so that a Despatch lowering action may be obtained when so desired.

CAPACITY IN TONS.	PRICE COMPLETE.	HOIST.* FEET.	PRICE EXTRA HOIST		NET WEIGHT IN LBS.
			FIRST FOOT.	ADD'L FOOT.	
½	$ 25 00	8	$1 80	$1 52	48
1	30 00	8	1 86	1 56	57
1½	40 00	8	1 95	1 60	76
2	55 00	9	2 00	1 64	110
3½	90 00	10	2 25	1 88	210
5	140 00	12	2 40	2 00	340
7	175 00	12	3 55	2 96	378
10	260 00	12	3 85	3 20	570

* NOTE.—Figures denote height in feet which blocks, with regular lengths of chain, will hoist from level on which operator stands

FOR ILLUSTRATIONS OF EXTRA PARTS DUPLEX BLOCKS SEE PAGE 723.

The Yale-Weston Triplex Spur Gear Block.

For Illustrations and Price List See Page 724

Has an actual efficiency of 79 per cent, or nearly threefold that of any other block, and constitutes a most remarkable advance upon all previous inventions in this class of machines.

The trade name, **Triplex** (Latin for threefold or triple), has been adopted for this block because it has the three following important features, viz.:—

1. A triple gear, having the equivalent of three parallel shafts, each pair geared together.
2. A triple sun-and-planet wheel motion with three pairs of double pinions, insuring equal distribution of the load and large wearing surfaces.
3. Threefold the efficiency of its predecessors.

For sizes *above* two tons capacity, the Triplex Block is made in the "*combination*" *form* (as shown on page 724), in which, by using as many parts of chain as may be required, the capacity of the Triplex Block may be multiplied to any desired extent, retaining the high efficiency of the direct block.

Two forms of TRIPLEX COMBINATION BLOCK are made to meet the practical requirements.

TYPE A is made with a wrought iron yoke, from one end of which the Triplex Block is suspended, while the end of the chain, or, in large sizes, the upper sheave, is held at the other end. The yoke is carried by the single upper hook, and the entire combination is self-contained. This is the form more generally used, and meets the usual requirements completely.

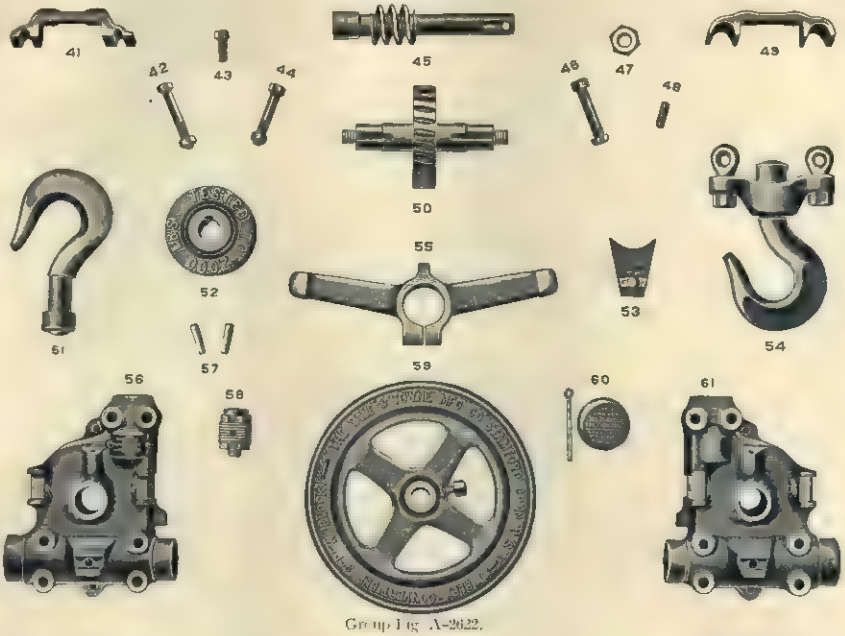
TYPE B omits the yoke and uses instead *two* hooks, the Triplex Block and the upper sheave being separately suspended. This form is adapted for use with trolleys for overhead tram rail, or for permanent suspension from fixed eye bolts.

The difference between Type A and Type B consists entirely in the mode of suspension; by varying the sheave combinations either form can be adapted to any capacity desired.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

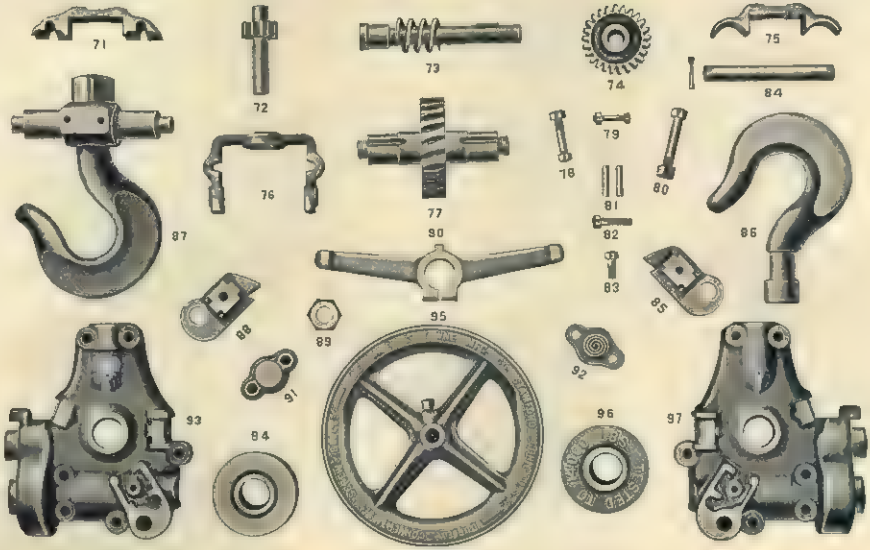
Parts OF DUPLEX Convertible Screw Blocks.

(One-half to Five Tons.)



Group Fig. A-2622.

(Seven and Ten Tons.)



Group Fig. A-2623.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

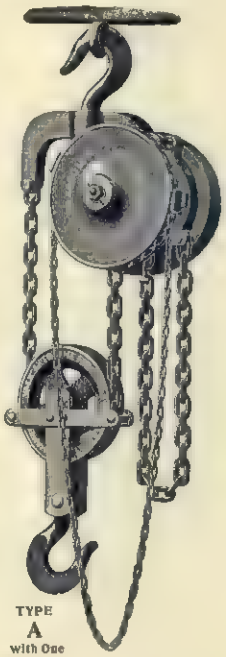
The Yale & Towne Manufacturing Co.

The Yale-Weston Triplex Blocks.

For description see page 722

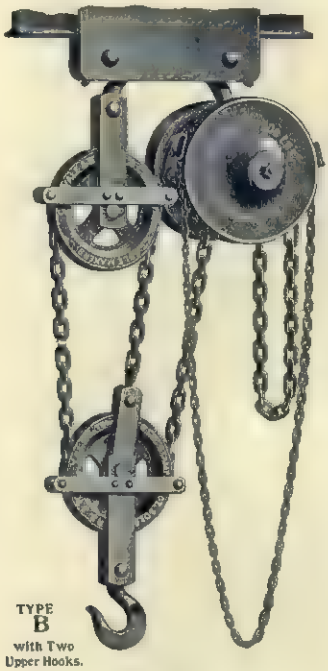
Direct Form without Lower Block

Fig. A-2624



TYPE A with One Upper Hook.

Fig. A-2625.



TYPE B with Two Upper Hooks.

Fig. A-2626.

Direct Form.

Capacity in Tons.	½	1	1½	2
Price Complete	$30 00	$40 00	$50 00	$60 00
Hoist in Feet	8	8	8	9
Extra Hoist { First Foot	1 90	2 05	2 25	2 50
Extra Hoist { Additional Foot	1 20	1 30	1 40	1 50
Net Weight in Pounds	55	80	120	150

Type A—Combination.

Capacity in Tons	3	4	5	6	8	10
Price Complete	$80 00	$100 00	$125 00	$150 00	$180 00	$225 00
Hoist in Feet	10	10	12	12	12	12
Extra Hoist { First Foot	2 80	3 15	3 60	4 15	4 80	5 50
Extra Hoist { Additional	1 70	1 95	2 25	2 60	3 00	3 45
Net Weight in Pounds	206	307	397	417	505	622

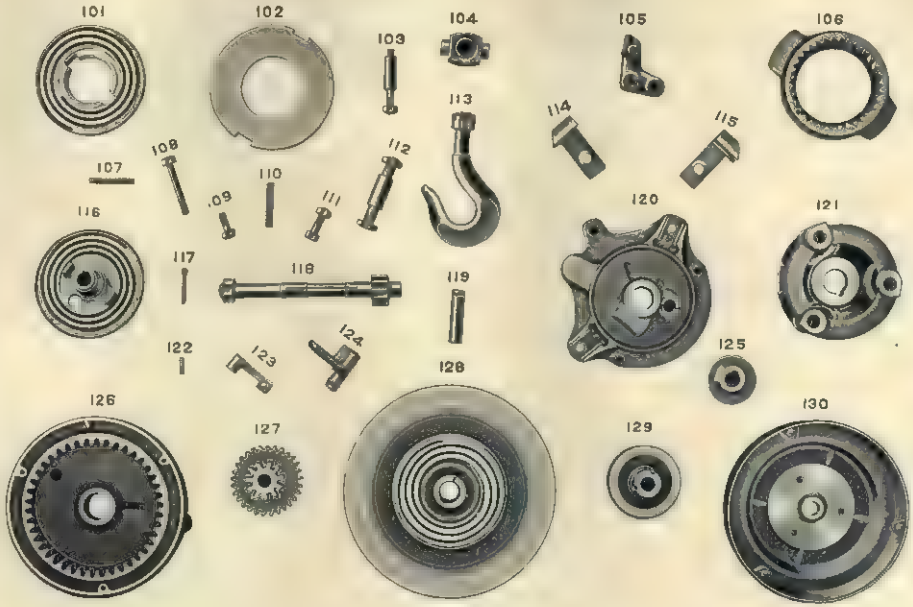
Type B—Combination.

Capacity in Tons.	3	4	5	6	8	10
Price Complete	$70 00	$85 00	$105 00	$130 00	$160 00	$200 00
Hoist in Feet	10	10	12	12	12	12
Extra Hoist { First Foot	2 80	3 15	3 60	415	4 80	5 50
Extra Hoist { Additional Foot	1 70	1 95	2 25	260	3 00	3 45
Net Weight in Pounds	195	287	380	387	471	593

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

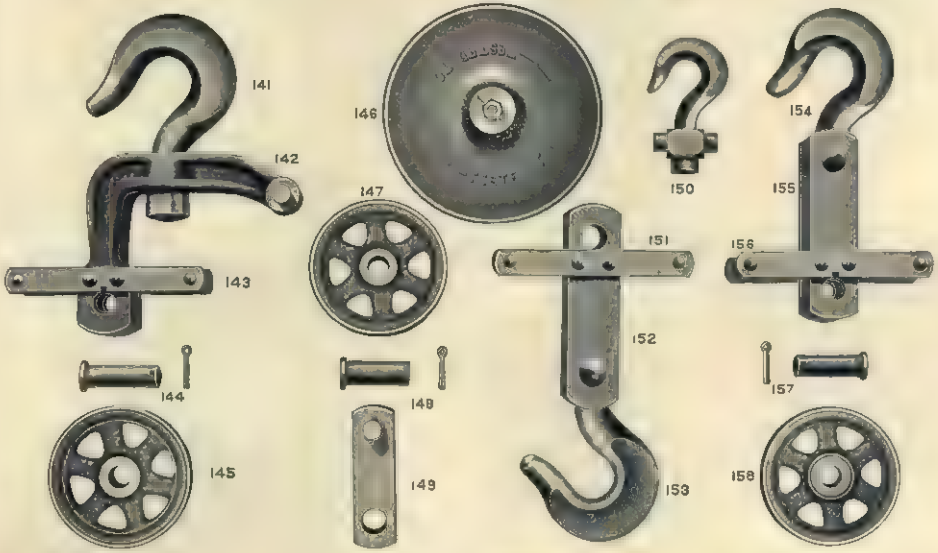
DUNHAM, CARRIGAN & HAYHEN CO., 17 and 19 Healu Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Parts of TRIPLEX Direct Form Blocks.



Group Fig. A-2627.

Parts of Types A and B COMBINATION TRIPLEX Blocks.



Group Fig. A-2628.

Sure-Grip Steel Tackle Blocks.

Fig. A-2629.

Will Hold Load at any Point without Fastening the Rope.

The Brake Is Absolutely Automatic.

The Heavier the Load, the Better the Grip.

At the same time the brake is susceptible of being disengaged by very slight pressure. The body of block is made of steel plates. The pins are cold-rolled steel. The essential castings are malleable iron, making the strongest and safest possible combination of materials, thus affording immunity from accidents in the highest degree. The brake is a fluted wedge dropping between two ropes in such a manner that the load is brought on all the strands of the rope at the same time. The brake does not flatten the rope, consequently the wear upon it is reduced to a minimum. This machine will be found particularly valuable by boat and ship-builders, contractors, dealers in hardware and machinery grocers, truckmen, butchers, machine shops, founders, roofers, in stringing heavy electric wires, handling barrels, baled hay, safes, in fact, any place where hoisting blocks are used it will be found safe, sure and economical.

Instructions for Reeving.

Enter rope at A, pass wedge, and follow arrows as shown in cut. It will be noticed the two center ropes coming in contact with wedge always travel in same direction at same time. Take the twist out of rope.

Price does not include the rope.

No. 3.	To be used with 3/16-inch rope.	One man can lift 300 lbs.	Capacity, 600 lbs. .	Each,	$ 3 00
No. 4.	To be used with 1/4-inch rope.	One man can lift 350 lbs.	Capacity, 1,000 lbs.	"	5 50
No. 5.	To be used with 5/16-inch rope.	One man can lift 400 lbs.	Capacity, 1,800 lbs.	"	7 00
No. 6.	To be used with 3/8-inch rope.	One man can lift 450 lbs.	Capacity, 2,500 lbs.	"	8 50
No. 4½.	To be used with 1/4-inch rope.	One man can lift 600 lbs.	Capacity, 3,000 lbs.	"	10 00
No. 6½.	To be used with 3/8-inch rope.	One man can lift 850 lbs.	Capacity, 5,000 lbs.	"	14 00

Overhead Railways.

Double-Wheel Safety Carrier for Hand Hoists and Differential Blocks.

The advantages of a system of Overhead Railways in machine shops, factories, stores and warehouses, are acknowledged by all leading manufacturers. The saving of time and labor in transporting loads from one place to another, the gaining of floor space and all possible head room, which would otherwise be obstructed by tracks of railways or hand trucks, will in a short time repay the cost of the plant

The accompanying illustration shows a Double-Wheel Safety Guard Trolley or Carrier, which is recommended as perfectly safe and reliable; being provided with a wheel at the bottom of the rail, it will not lurch or jump, but run smoothly under a pull from below.

Fitted to be used with 1/4x3 inch flat iron rail.

Each . . $7 50

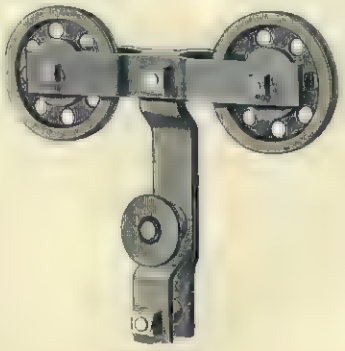


Fig. A-2630

Razors.

No. 60.

No. 650—5 in., Bishop & Co's Hollow Point, Hollow Ground, Black Handle . . . Per Dozen $
" 651—5½ in., " " " " " " " " " " "
" 652—6 in., " " " " " " " " " " "

No. 700.

No. 700—5 in., Bishop & Co's, Square Point, Hollow Ground, Bevel, Black Handle . . . Per Dozen, $
" 701—5½ in., " " " " " " " " " " "
" 702—6 in., " " " " " " " " " " "

No. 751.

No. 751—4 in., Bishop & Co's, Round Point, Hollow Ground, Etched, Black Handle, . . . Per Dozen $

Razors.

We will furnish this Razor Case free to all parties purchasing three dozen of our Razors. It is Plush or Chamois outside, with Plush and Satin Lining, and will hold one dozen Razors. It displays them in an attractive form and will be found a valuable assistance in making sales.

No. 600.

No. 600—½ in. Bevel Ground, Square Point, Shaving Ground, Black Handle . . . Per Dozen
" 601—⅝ in. " " " " " " " "
" 602—¾ in. " " " " " " " "

Half Dozen in a Box

Razors.

No. 801.

No. 800—
" 801
" 802—

Bishop & Co.'s Square Point, Extra Hollow Ground, White Bone Handle, Per Dozen $

No. 1938

No. 1937—
" 1938
" 1939—
" 1940—

The McI H Co.'s Crown, Square Point, Extra Hollow Ground, Black Handle, Per Dozen, $

No. 1966—

The McI H Co.'s Crown, Round Point, Extra Hollow Ground, Black Handle, Per Dozen $

Half Dozen in a Box.

Razors.

No. 3936

Heavy, Especially for Barbers' Use.

No. 3938—$\frac{5}{8}$ in., The McI. H. Co.'s Crown, Square Point, Extra Hollow Ground, Black Handle. Per Dozen, $
" 3939—$\frac{3}{4}$ in., " " " " " " " " " " " "

No. 1942

No. 1945—$\frac{5}{8}$ in. The McI. H. Co.'s Crown, Square Point, Extra Hollow Ground, White Bone Handle, Per Doz., $
" 1948—$\frac{3}{4}$ in. " " " " " " " " " " " "

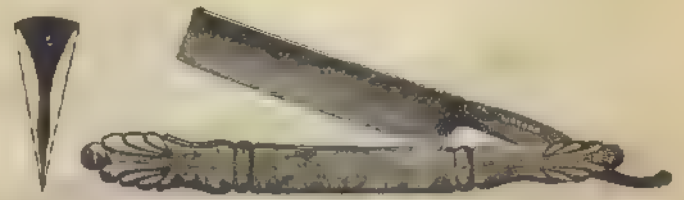
No. 1956.

No. 1958—$\frac{5}{8}$ in. The McI. H. Co.'s Crown, Square Point, Extra Hollow Ground, Celluloid Handle, Per Dozen, $

Razors

No. 4934.

No. 4937—½ in., The Mel. H. Co's Crown, Square Point, Extra Hollow Ground, Ivory Handle, Per Dozen, $
" 4936—⅝ in., " " " " " " " " " " "
" 4935—¾ in., " " " " " " " " " " "



No. 4938

No. 4937—½ in., The Mel. H. Co's Crown, Square Point, Extra Hollow Ground, Pearl Handle, Per Dozen, $(
" 4935—¾ in., " " " " " " " " " " "

Half Dozen in a Box

Crown Razors

The Crown Razors illustrated on Pages 1177, 1178 and 1179 are believed to be, in points of Quality and Grinding, the very best razors ever produced. The Cuts show the Razors above and the Engravings show the manner of Grinding. It is seen that they have a long [illegible] sides of the blade, which are then accurately concaving the blade above and below the edge thereby giving the Razor the following advantages —

First. It will hold an edge longer than any other, and will require very little stropping to keep it in perfect working order.

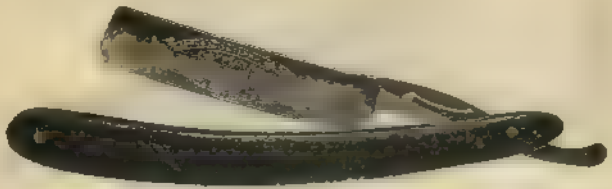
Second. The edge of these Razors will not spring when used on a heavy beard because the ridge strengthens the blade clear to the very edge.

Third. They are quadruple concaved the entire length of the blade, which gives a smooth cutting edge from point to heel. In fact one of these Razors that can be used for years without regrinding for, as the blade wears away, the ridge will always be diminished from the effects of the stropping.

Razors

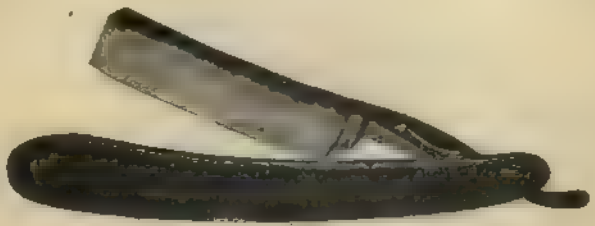
No. 03707

No. 03707—⅜ in. **03706**—½ in. Westenholm's True Pipe Hollow Ground, Black Handle, . . . Per Dozen,



No. 03492

No. 03492 ½ in. Westenholm's True Pipe Hollow Ground, Black Handle, ... Per Dozen, $



No. 01461

No. 01461—⅝ in., **01461B**—½ in., Westenholm's True Pipe Extra Hollow Ground, Black Handle, . Per Dozen $

Half Dozen in a Box

Cylinder or Gas Pipe Wrenches.

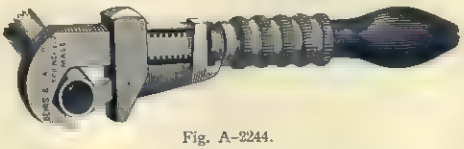


Fig. A-2244.

Size, Inches,	10	12	15	18
Holds Pipe, Inch,	⅛ to 1	⅛ to 1¾	⅛ to 2	⅛ to 2½
Bright . . . . . Per dozen,	**$21 00**	**24 00**	**34 00**	**50 00**

Combination Wrenches.

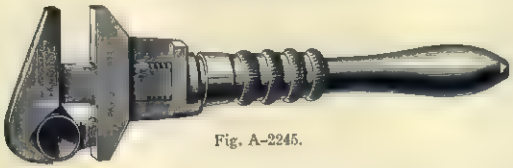


Fig. A-2245.

Size,	10	12	15
Holds Pipe,	⅛ to 1 inch.	⅛ to 1¼ inch.	⅛ to 2 inch.
Bright . . . . . Per dozen,	**$25 50**	**28 50**	**40 50**

One-half dozen in a box.

"Boardman's" Patent Combination Wrench.

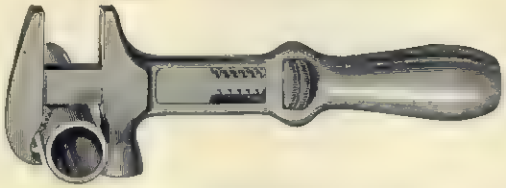


Fig. A-2246.

This Combination comprises Six Useful Tools Screw Wrench, Pipe Wrench, Hammer, Nail Claw, Screwdriver, Bit Handle or Socket Wrench.

Nickel Plated.

No. **0.**	Size 4½ Inch (Opens 1 Inch)	Per dozen, **$ 8 50**
No. **1.**	Size 6 Inch (Opens 1¼ Inch)	" **11 00**

One-half dozen in a box.

"Alligator" Wrenches.

Fig A-2247

Number,	1	2	3	4	5
Holds Pipe,	⅛ to ⅝ in.	⅜ to ¾ in.	½ to 1¼ in.	1¼ to 2 in.	2 to 3½ in
Length,	5½	10	16	22	27
Per dozen . .	**$4 00**	**12 00**	**24 00**	**36 00**	**54 00**

No. 1, one dozen in a box; balance in bulk

"Always Ready" Wrenches.

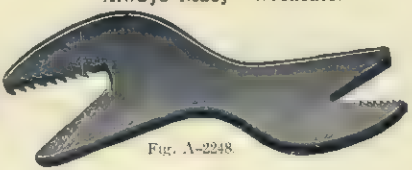


Fig. A-2248.

Nickel Plated

No. **1.**	5 In. Holds from ⅛ to ⅝ In. Round Iron . Per doz.	**$ 5 00**
No. **2.**	7 In. Holds from ⅛ to 1⅛ In Round Iron, "	**6 75**
No. **2½.**	9⅛ In. Holds from ⅛ to 1⅝ In. Round Iron, "	**10 50**
No. **3.**	11½ In. Holds f'm ⅛ to 2 In. Round Iron, "	**16 00**

One-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hall's Improved Pipe Wrenches.

Hall's Pipe Wrench and Elastic Clamp in Place on a Pipe.

Position of Wrench on Pipe

Fig. A-2252

Directions.

Before putting the Wrench on the pipe place the gripping point of the Wrench to the size of the pipe, as marked on the side of the Hook, and it will require but little if any other adjustment.

List of Wrenches.

Length Open	6	10	14	18	24	36	48 in.
Size of Pipe	0 to ⅜	⅛ to ¾	¼ to 1½	½ to 1¾	½ to 2½	1 to 4½	1¼ to 6 "
Largest Opening for Nut or Bolt	⅞	1⅜	2	2¼	3¼	4¼	6 5-16 "
Price . Each,	$2 00	2 50	3 00	4 00	6 00	12 00	18 00

One in a box.

Hall's Elastic Pipe Clamps.

Fig. A-2253.

To Be Used with the Hall Wrench

The Clamps are made of Cast Iron, lined with an elastic rubber lining, so as to conform to any irregularity of size or shape of Pipe, and prevent slipping and marring the Pipe when screwing it into place.

List of Sizes and Prices of Clamps.

Size of Clamp.	Length of Clamp.	Size of Wrench Required.	Price Each.
⅜, 7-16, ½, 9-16 inches	2½ inches.	10 inch or 14 inch.	$0 75
⅝, 11-16, ¾, 13-16, ⅞, 1 inches	3 "	14 " 18 "	1 00
1 1-16, 1⅛, 1¼, 1 5-16, 1⅜, 1½ inches	3½ "	18 " 24 "	1 25
1⅝, 1 11-16, 1¾, 1⅞, 2 inches	4 "	24 inch.	1 75

It is necessary to have a Clamp for each size Pipe or Tubing.

When you order Clamps, state if they are for Pipe or Tubing. This is Important, as they require a different size.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Engineers' Wrenches.

Drop-Forged from Bar Steel.

Single Head.

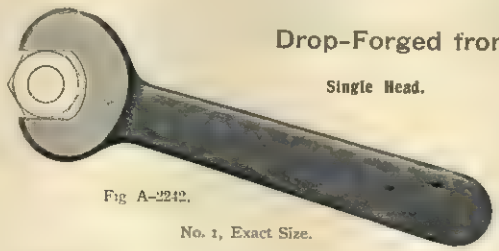


Fig A–2242.

No. 1, Exact Size.

These Wrenches are particularly adapted for Machine Tools, Locomotives, Pumps, Steam or Gas Engines, and general shop use. The opening forms an angle of fifteen degrees with the handle, which admits of turning a hexagon nut completely around where the swing of the handle is limited to thirty degrees. *The finished Wrenches are polished, case-hardened and milled to fit U. S. Standard finished nuts, but can be milled to other sizes when required. Unfinished Wrenches are plain forgings, and need filing or milling to fit them to nuts.* When ordering, please state whether finished or unfinished are desired.

Number.	For U. U. Standard Nut. Size Bolt.	Price, Unfinished.	Price, Finished.	Opening Unfinished.	Opening, Finished.	Extreme Length	Thickness Head
0	3-16	$0 09	$0 18	11-32	13-32	2⅜	7-32
1	¼	10	20	7-16	⅜	3⅜	¼
2	5-16	12	24	17-32	19 32	4⅜	9-32
3	⅜	14	28	⅝	11-16	5⅜	5-16
4	7-16	17	34	23 32	25 32	6½	11-32
5	½	20	40	13 16	⅞	7½	25-64
6	9-16	25	50	29-32	31 32	8⅜	7-16
7	⅝	32	64	1	1 1-16	9¼	31-64
8	¾	40	80	1 3 16	1 ¼	11⅛	9-16
9	⅞	50	1 00	1 ⅜	1 7-16	13	21-32
10	1	65	1 30	1 17-32	1 ⅜	14⅞	¾
11	1 ⅛	85	1 70	1 23-32	1 13-16	16⅝	53-64
12	1 ¼	1 10	2 20	1 29 32	2	18½	29-32
13	1 ⅜	1 40	2 80	2 3 32	2 3-16	20¼	63 64
14	1 ½	1 75	3 50	2 9-32	2 ⅜	22¼	1 1-16
15	1 ⅝	2 10	4 20	2 15 32	2 9-16	24	1 ⅛
16	1 ¾	2 50	5 00	2 21 32	2 ¾	25⅜	1 7-32
17	2	3 50	7 00	3 1-32	3 ⅛	29½	1 ⅜
18	2 ¼	4 75	9 50	3 13-32	3 ½	33	1 17-32

Fig. A 2243. No. 23, Exact Size.

Double Head.

No.	For U. S. Standard Nuts Size Bolts.	Openings, Unfinished.	Openings Finished	Extreme Length	Thickness Heads	Price, Unfinished.	Price, Finished
21	⅛ and 3-16	¼ & 11-32	5 16 & 13-32	3⅛	13-64 & 7-32	$0 12	$0 24
23	3-16 and ¼	11-32 & 7 16	13 32 & ½	4	7-32 & ¼	15	30
25	¼ and 5-16	7 16 & 17 32	½ & 19-32	4⅞	¼ & 9-32	18	36
26	⅝ and ⅜	7-16 & ⅝	½ & 11-16	5⅜	¼ & 5-16	20	40
27	5-16 and ⅜	17 32 & ⅝	19 32 & 11-16	5⅞	9-32 & 5 16	21	42
30	⅜ and ½	⅝ & 13-16	11-16 & ⅞	7¼	5 16 & 25-64	28	56
31	7-16 and ½	23-32 & 13-16	25-32 & ⅞	7¾	11-32 & 25 64	30	60
34	½ and ⅝	13-16 & 1	⅞ & 1 1-16	9¼	25 64 & 31 64	41	82
35	9-16 and ⅝	29-32 & 1	31-32 & 1 1-16	9¾	7 16 & 31-64	43	86
37	⅝ and ¾	1 & 1 3 16	1 1-16 & 1 ¼	11⅝	31 64 & 9 16	53	1 06
38	⅝ and ⅞	1 & 1⅛	1 1 16 & 1 7-16	13½	31-64 & 21 32	62	1 24
39	¾ and ⅞	1 3 16 & 1 ⅛	1 ¼ & 1 7-16	13½	9-16 & 21-32	65	1 30
40	¾ and 1	1 3 16 & 1 17 32	1 ¼ & 1 ⅜	15½	9-16 & ⅜	78	1 56
41	⅞ and 1	1⅛ & 1 17 32	1 7 16 & 1⅝	15½	21-32 & ¾	82	1 64
43	1 and 1⅛	1 17-32 & 1 23-32	1 ⅝ & 1 13-16	17⅛	¾ & 53 64	1 08	2 16
47	1¼ and 1⅜	1 29 32 & 2 1-32	2 & 2 3-16	21¼	29-32 & 63 64	1 75	3 50
52	1½ and 1⅝	2 9 32 & 2 21-32	2 ⅜ & 2¾	27⅛	1 1-16 & 1 7-32	3 30	6 60
54	1⅝ and 2	2 15-32 & 3 1-32	2 9-16 & 3 ⅛	30⅞	1 ⅛ & 1 ⅜	4 15	8 30
57	2 and 2¼	3 1 32 & 3 13-32	3 ⅛ & 3 ⅜	34⅜	1 ⅜ & 1 17-32	5 95	11 90

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Billing's Patent Adjustable Wrenches.

Fig. A-2233.

Drop-forged from Bar Steel.

4 Inch, Black	Per dozen,	$ 9 00	
5 Inch, Black	"	10 00	
6 Inch, Black	"	12 00	
4 Inch, Nickeled	Per dozen,	$10 00	

Baxter's "S" Wrenches.

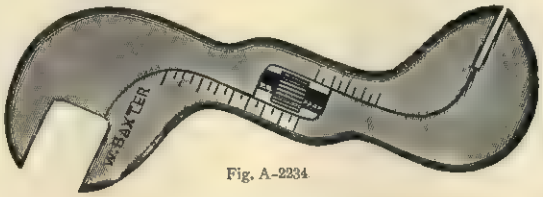


Fig. A-2234

Size, Inches,	4	6	8	10	12
Per dozen	$6 00	9 00	12 00	18 00	24 00

One-half dozen in a box.

Baxter's Diagonal Wrenches.

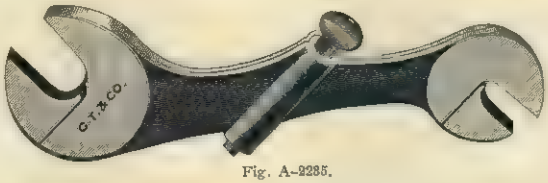


Fig. A-2235.

Size, Inches,	6	8	10	12
Per dozen	$9 00	12 00	18 00	24 00

One-half dozen in a box.

Basin Wrench.

New Pattern.

Fig. A-2236.

Size, Inches,	10	
Each	$1 25	

Wrought Iron Key Wrench.

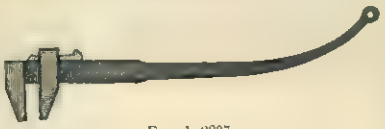


Fig. A-2237.

Length, Feet,	2½	3	3½	4
Each	$3 00	5 00	6 00	6 50

Wrenches.

Stillson's Patent Wrench.

Fig. A–2249.

Pipe Is Not Crushed by Its Use.

Takes from	⅛-inch Wire to ⅜-inch Pipe.	⅛ inch Wire to ¾-inch Pipe.	⅛-inch Wire to 1-inch Pipe.	¼-inch Wire to 1½-inch Pipe.	¼-inch Wire to 2-inch Pipe.	¼-inch Wire to 2½-inch Pipe.	⅛-inch Pipe to 3½-inch Pipe.	1-inch Pipe to 5-inch Pipe.
Length, Open . . . Inch	6	8	10	14	18	24	36	48
Price Each	$2 00	$2 00	$2 25	$3 00	$4 00	$6 00	$12 00	$18 00
Frames "	25	25	33	45	55	65	75	1 00
Jaws "	66	67	75	1 00	1 33	2 00	4 00	6 00
Nuts "	20	20	27	35	42	50	65	80

Stillson Wrenches, 6 inch, one dozen in a box; balance, one-half dozen in a box.

Trimo Wrench.

Fig. A–2250.

Takes from . .	⅛-inch Wire to ⅜-inch Pipe.	⅛-inch Wire to ¾-inch Pipe.	⅛-inch Wire to 1-inch Pipe.	¼-inch Wire to 1½-inch Pipe.	¼-inch Wire to 2-inch Pipe.	¼-inch Wire to 2½-inch Pipe.	⅛-inch Pipe to 3½-inch Pipe.	1-inch Pipe to 5-inch Pipe.
Length, Open . . . Inch	6	8	10	14	18	24	36	48
Price Each	$2 00	$2 00	$2 25	$3 00	$4 00	$6 00	$12 00	$18 00
Jaws . . . . . "	67	67	75	1 00	1 33	2 00	4 00	6 00
Nuts . . . . . "	20	20	27	35	42	50	65	80
Inserted Jaws. . . . "	25	25	33	50	55	65	1 00	1 25
Frames . . . . . "	25	25	33	45	55	65	75	1 00

One-half dozen in a box.

Franklin Wrenches.

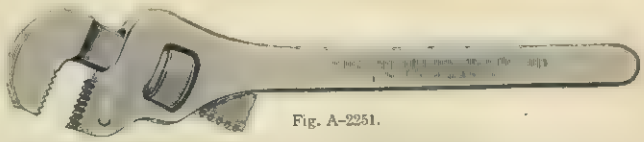


Fig. A–2251.

Takes from	⅛-inch Wire to ⅜-inch Pipe	⅛-inch Wire to ¾-inch Pipe	⅛-inch Wire to 1-inch Pipe.	¼ inch Wire to 1½-inch Pipe.	¼-inch Wire to 2-inch Pipe.	¼-inch Wire to 2½-inch Pipe.	⅛-inch Pipe to 3½-inch Pipe	1-inch Pipe to 5-inch Pipe.
Length, Open Inch	6	8	10	14	18	24	36	48
Wrenches . . . . . Each	$2 00	$2 00	$2 25	$3 00	$4 00	$6 00	$12 00	$18 00
Jaws "	70	70	75	1 00	1 35	2 00	4 00	6 00
Nuts "	20	20	30	35	45	50	65	80

6 and 8 inch, one dozen in a box; balance one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wrenches.

Green River Patent Rim.

For Nuts on Tire Bolts inside the Felloe.

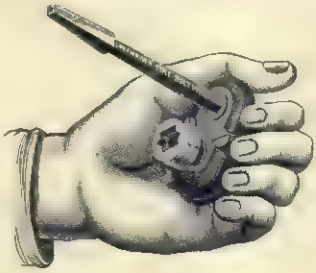


Fig. A–2238.

This is a labor saving tool for taking off and putting on nuts in an awkward place inside carriage felloes, and it will be found to make rapid work of what is usually a tedious job with an "S" wrench.

No workman with any regard for his time will fail to use this tool, which will soon earn its moderate cost in any shop, small or large. It is made light, handy and strong, and is adapted for use on nuts ⅛, 3-16, ¼ inch.

Each **$1 50**

One in a box.

Cross Rim.

Fig. A–2239.

This tool will be found to be very handy for nuts inside felloes of carriage wheels, as well as for other purposes.

For Nuts 3-16, ¼, 5-16 and ⅜ Inch.

Per dozen **$3 00**

Wrenches.

"Le Count's" Cast Steel.

Fig. A–2240

Unsized and Rough.

Numbers,	1	2	3	4	5	6	7
Size Nut, Inch,	¼ and 5-16	⅜ and 7-16	½ and 9-16	⅝ and ¾	⅞ and 1	1⅛ and 1¼	1⅜ and 1½
Each	**$0 15**	**0 20**	**0 30**	**0 40**	**0 60**	**0 90**	**1 50**

SOLID "S."

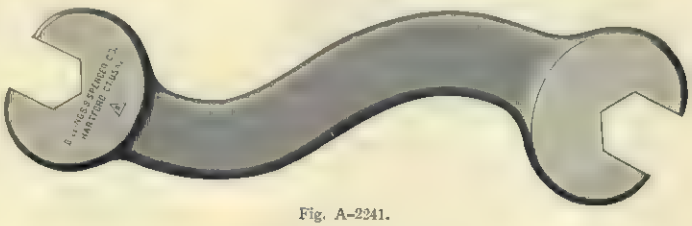


Fig. A–2241.

Drop-Forged from Best Norway Iron.

Nos.,	70	71	73
Length, Inch,	4	5	7
Size Nut, Inch,	5-16 and ⅜	7-16 and ½	11-16 and ¾
Each	**$0 15**	**0 20**	**0 30**

Screw Wrenches.

A. G. Coe & Co.

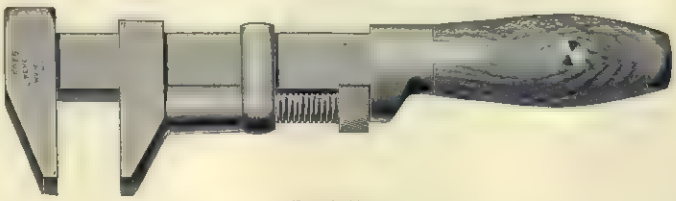


Fig. A-2229.

	Inch,	6	8	10	12	15	18	21	24
Bright	Per dozen,	$10 00	11 00	14 00	16 00	26 00	32 00	38 00	44 00
Black	"	9 00	10 00	12 00	14 00	24 00	30 00	36 00	42 00

Up to and including 12 inch, one-half dozen in a box; balance, one-third dozen in a package.

Agricultural Wrenches.

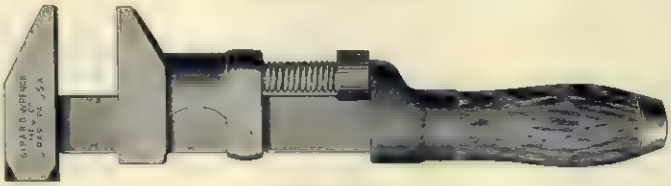


Fig. A-2230.

	Inches,	6	8	10	12	15
Black, Wrought from	Per dozen,	$9 00	10 00	12 00	14 00	24 00

One-half dozen in a package.

"A. D. Briggs" Pattern.

Fig. A-2231

Warranted Steel Face and Head. With Long Nut or Sleeve.

	Inches,	10	12	15	18
Bright	Per dozen,	$17 50	20 00	32 50	40 00

One half dozen in a package.

Acme Wrenches.

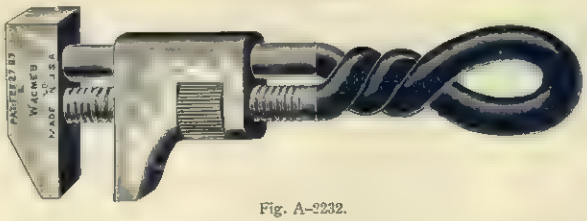


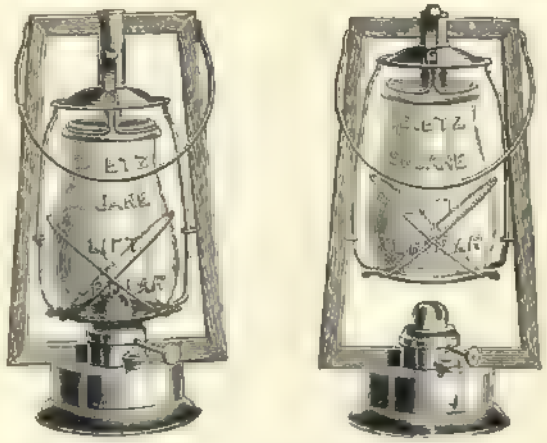
Fig. A-2232.

	Inches,	6	8	10	12	15
Bright	Per dozen,	$9 00	10 00	12 00	14 00	24 00

One-half dozen in a package.

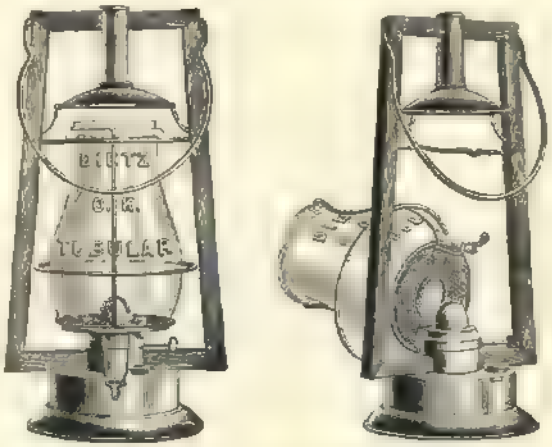
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

TUBULAR LANTERNS.



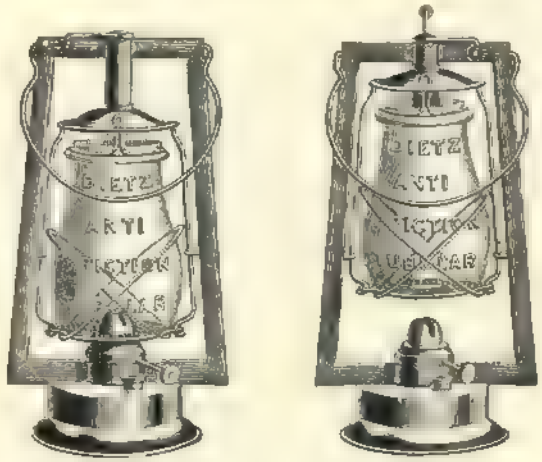
No. 110–Top lift, No. 0 globe, 5/8 in. burner, 5/8 in. wick, - - - - per doz. $7.50

ONE DOZEN IN A CASE.



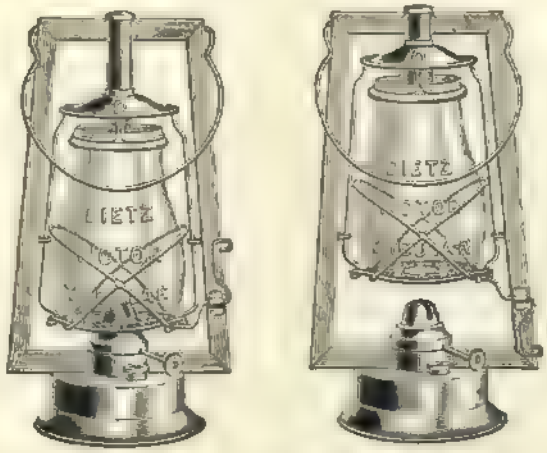
No. 249–Swing, No. 0 globe, 5/8 in. burner, 5/8 in. wick, - - - - per doz. $7.50

ONE DOZEN IN A CASE.



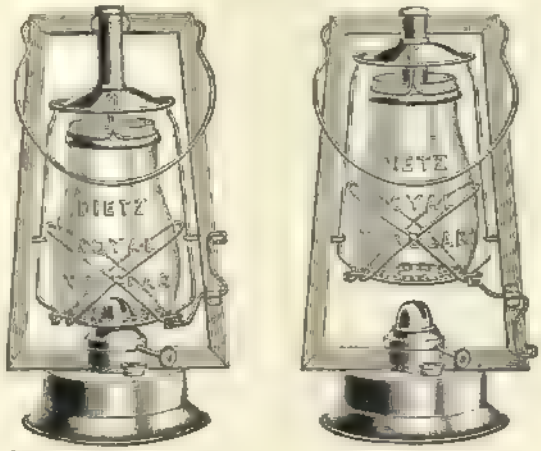
No. 244–Anti-friction, No. 0 globe, 5/8 in burner, 5/8 in. wick, - - - - per doz. $9.00

ONE DOZEN IN A CASE.



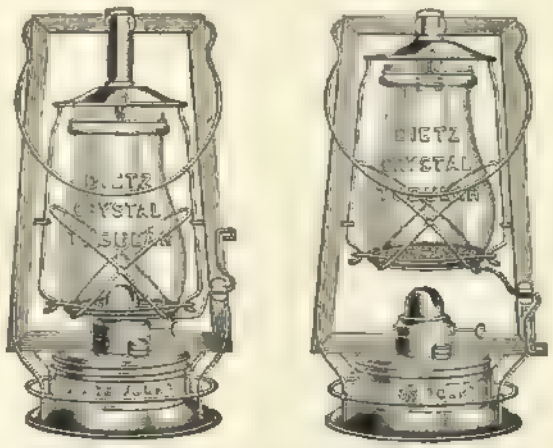
No. 242 Side lift, No 0 globe, 5/8 in. burner, 5/8 in wick, - - - per doz. $7.50

ONE DOZEN IN A CASE.



No. 243–Side lift, large fount, No. 0 globe, 1 in. burner, 1 in. wick, - - per doz. $10.00

ONE DOZEN IN A CASE



No. 363 Side lift, guarded glass fount, No. 0 globe, 5/8 in. burner, 5/8 in. wick, - per doz. $10.00

No. 3630–Glass founts for No. 363 lanterns, per doz. - - - - - - 3.00

ONE DOZEN IN A CASE.

TUBULAR LANTERNS.

No. 7-Regular, No. 0 globe, 5/8 in. burner, 5/8 in. wick, - - - - - per doz. $7 00

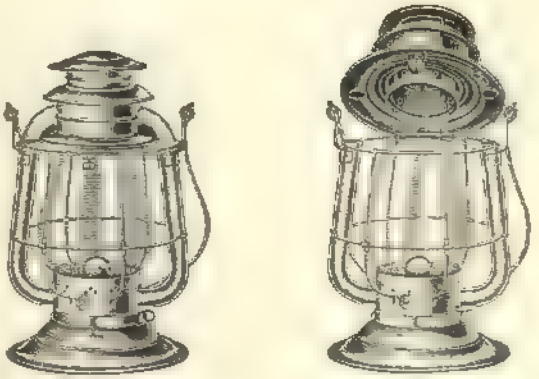
ONE DOZEN IN A CASE

No. 258-Top lift, round frame, extra large frame and fount, No. 1 globe, 1 in. burner, 1 in. wick, - - - - - per doz $16.00

ONE DOZEN IN A CASE

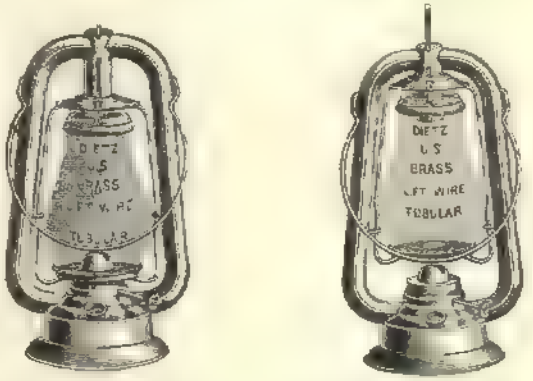
No. 2-Cold blast, round frame, No. 0 globe, 1 in. burner, 1 in. wick, - - per doz. $14.50

ONE DOZEN IN A CASE



No. 8-Railroad pattern, No 39 R. R. globe, 3/8 in. burner, 3/8 in. wick, - - per doz. $13.00

ONE DOZEN IN A CASE.

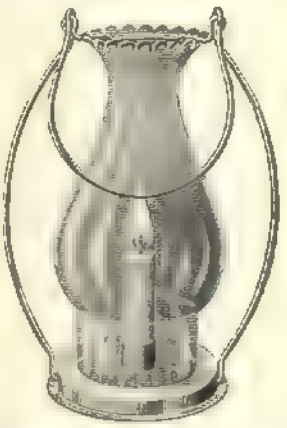


No. 211-U. S. brass, U. S. globe, 3/8 in. burner, 3/8 in. wick, - - - - per doz. $12 00

No. 212-U. S. brass, nickel plated, otherwise same as No. 211, - - - per doz. 18 00

ONE DOZEN IN A CASE

CANDLE LANTERNS.

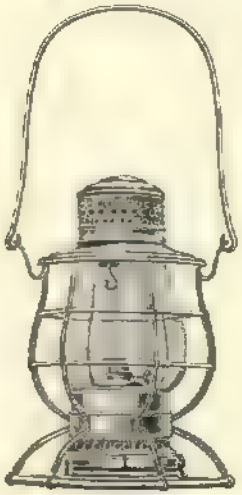


No. 50-Dandy, without chimney or candle (for No. 2 Sun chimney), - - per doz. $3 00

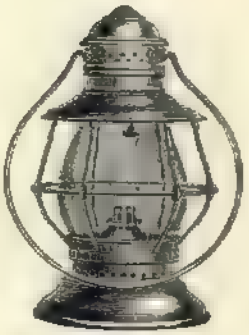
TWO DOZEN IN A BOX

RAILROAD LANTERNS.

No. 39



No. 39½.



Nos. 225, 230 and 235

Solid Bottom, No. 39 R. R. Globe.

No. 39	–Crystal globe, ratchet lard oil burner, ⅝ in. wick,	per dozen $10.00
No. 39R	–Ruby globe, ratchet lard oil burner, ⅝ in. wick,	" 17.00
No. 39G	–Green globe, ratchet lard oil burner, ⅝ in. wick,	" 16 00
No. 39F	–Lantern frames only, ratchet lard oil burner, ⅝ in. wick,	" 8.00

Wire Bottom, No. 39 R. R. Globe.

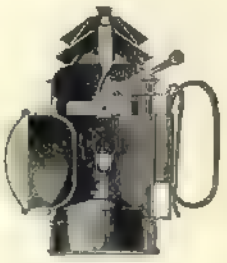
No. 39½	–Crystal globe, ratchet lard oil burner, ⅝ in. wick,	per dozen $10 00
No. 39½R	–Ruby globe, ratchet lard oil burner, ⅝ in. wick,	" 17.00
No. 39½G	–Green globe, ratchet lard oil burner, ⅝ in. wick,	" 16.00
No. 39½F	–Lantern frames only, ratchet lard oil burner, ⅝ in. wick,	" 8 00

Pullman Conductors', Pullman Globe.

No. 225	–Polished brass, crystal globe, lard oil burner,	each $6.00
No. 230	Polished brass, nickel plated, half ruby and half crystal globe,	" 8.00
No. 235	–Polished brass, nickel plated, half green and half crystal globe,	" 8 00

POLICE LANTERNS.

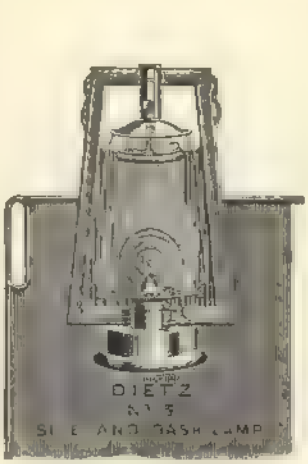
Nos. 2½ to 35.

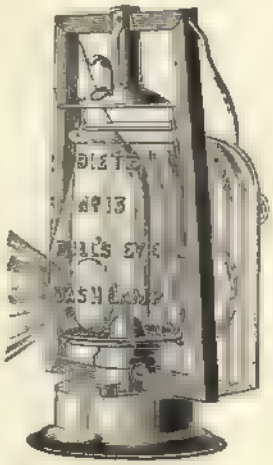


Flash Light

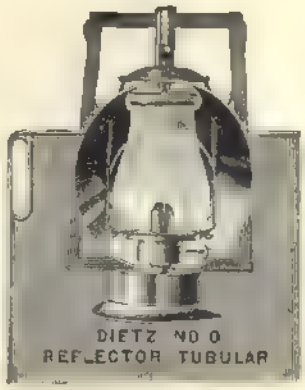
No. 2½	–Japanned, height 7¼ in., 2¾ in. bull's eye,	per dozen $ 7.00
No. 03	–Japanned, height 7¾ in., 3 in. bull's eye,	" 8 00
No. 66	Japanned, height 7 in., 2¾ in. bull's eye, with flash light,	" 9.50
No. 67	–Japanned, height 7⅛ in., 3 in. bull's eye, with flash light,	" 10.50
No. 730	Tin, nickel plated, height 6 in., 2½ in. bull's eye	" 18 00
No. 135	–Polished brass, height 8 in., 3 in. bull's eye,	" 33.00

TUBULAR DASH LANTERNS.





Nos. 297 and 299



No. 2[illegible]

No. 297 Bright tin, corrugated reflector, 5/8 in. burner, 5/8 in. wick, No. 0 globe, without bull's eye lens, top lift, - per dozen $ 9.50

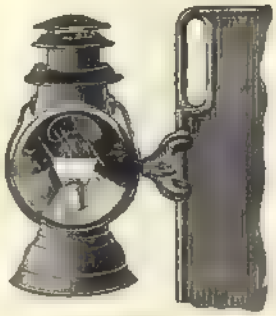
No. 299–Japanned, with bull's eye lens attached to perforated plate, otherwise same as No 299, " 10.50

No. 215–Bright tin hood 6 in deep, 5 in silvered glass reflector, 5/8 in burner, 5/8 in wick, No 0 globe, top lift, - per dozen 22.00

HALF DOZEN IN A CASE.

DRIVING LAMPS.

No. 18.



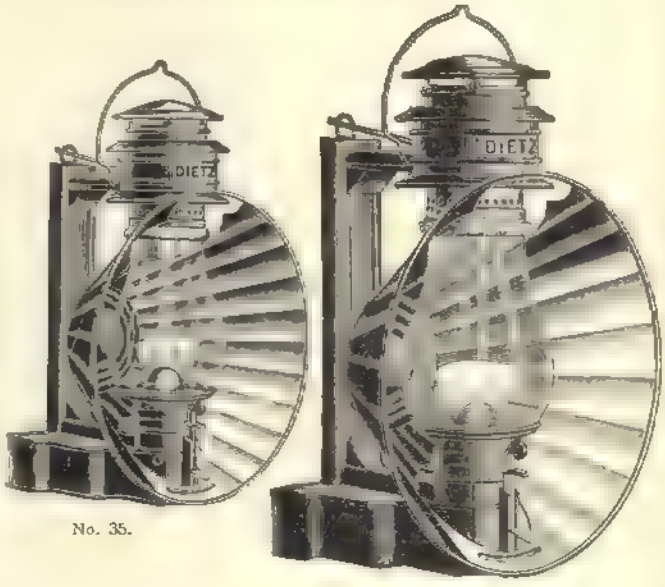
No. 354

No. 18–Ham's tubular, japanned, height 9½ in., weight 2 lbs., 4 in. double convex lens, silvered reflector, ruby rear lights, with bail and wire spring fastening, also separate clamp for side of dash, 3/8 in. wick, per doz. $42.00

No. 354–Dietz tubular, japanned, height 11 in., 5 in. beveled plate glass front, spring at back to attach to dash, also detachable holder fitting right or left side of dash and screw holder for flat surfaces, 3/8 in. wick, per doz. - - - - - - - - 42.00

HALF DOZEN IN A CASE

SEARCHLIGHTS



No. 35.

No. 40.

No. 35 Tubular, blued tin, 1 in. burner, 1 in. wick, No. 0 globe, 12×7 in. tin reflector, per doz. - - - - - - - - $30.00

No. 40–Tubular, blued tin, 1½ in. wick, 1½ in. burner, No. 2 globe, 20×10 in tin reflector, per doz. - - - - - - - - 72 00

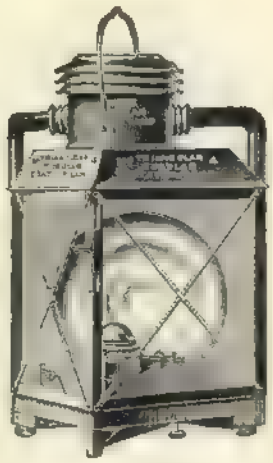
NO. 35 QUARTER DOZEN; NO 40 ONE IN A CASE.

STATION LAMPS.

Nos 1, 21 and 31.

Nos. 22 and 34

Nos 12 and 3

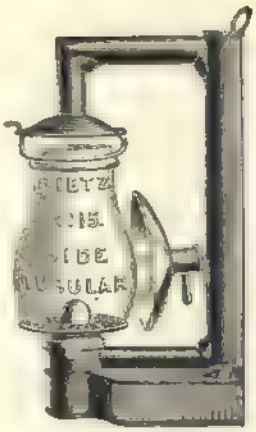


No. 4

No. 11	Square blue, 8×10 in., height 15½ in., ⅝ in burner, ⅝ in wick 7 in silvered reflector,	each	$2 50
No. 21	Square blue, 10×12 in., height 17½ in., 1 in burner, 1 in wick, 8 in silvered reflector,	"	3 00
No. 31	Square blue, 11×15½ in., height 21 in 1 in burner, 1 in wick, 10 in silvered reflector,	"	3 50
No. 22	Triangular, blue, 10×11 in., height 18¼ in., 1 in burner, 1 in wick 8 in silvered reflector,	"	3 00
No. 34	Triangular, blue, 12×14 in., height 18¼ in., 1 in burner 1 in. wick, 10 in silvered reflector,	"	3 50
No. 12	Square tubular, blue, height 19 in No. 2 burner, 1 in wick, 6 in. silvered reflector,	"	5 50
No. 23	Square tubular, blue, height 21½ in., No 3 burner, 1½ in wick, 8 in silvered reflector,	"	6 50
No. 33	Square tubular, blue height 26 in., No 3 burner, 1½ in wick 12 in silvered reflector,	"	8 50
No. 4	Triangular tubular, blue, height 22 in., No 3 burner, 1½ in. wick, 10 in silvered reflector,		8 50

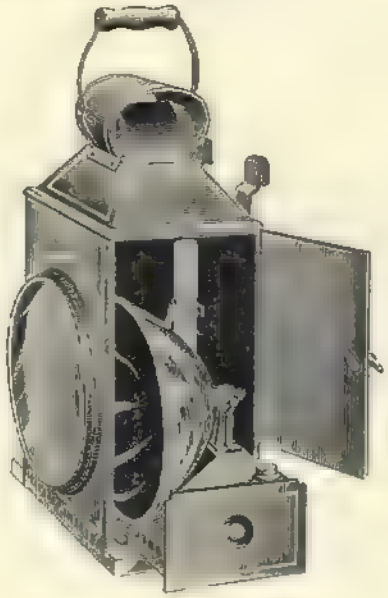
ONE IN A CASE.

SIDE LAMPS AND HEADLIGHTS.



No. 5

No. 17



No. 634.

No. 15	Tubular side lamps, blue, ⅝ in burner, ⅝ in. wick No. 0 globe, 5 in silvered reflector,	per dozen	$18 00
No. 17	Tubular side lamps, blue, 1 in burner, 1 in wick, No 0 globe, 6 in silvered reflector,	"	22 00
No. 634	Motor headlights, extreme height 22 in., 10 in silvered copper reflector, dash board attachment for cable or motor car,	each	17.00

Nos. 15 AND 17, HALF DOZEN, No. 634, ONE IN A CASE.

GLOBE TUBULAR LAMPS.

Nos. 30 and D30.

No 97

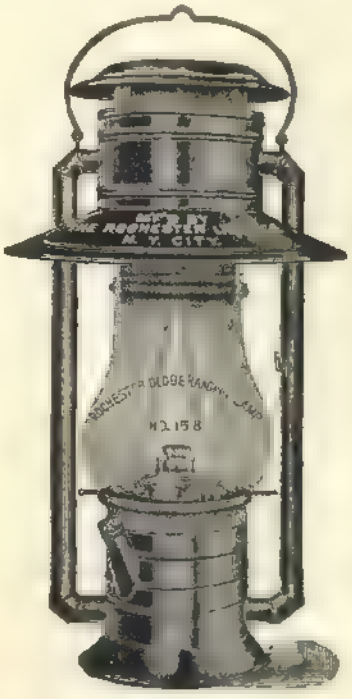
For No. 3 and No. 30 lamps.

Nos 3 and D3.

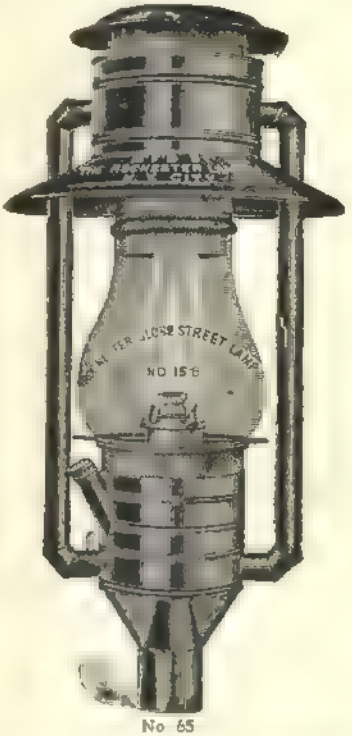
No. 30 Painted green, hanging, with bottom lift, No 3 burner, 1½ in wick, No 3 globe, height 22 in., each $6.00
No. D30–Same as No. 30, with glass fount, " 6.50
No. 3 Painted green, for post with bottom lift, No. 3 burner, 1½ in wick No 3 globe, height 27 in , " 6.00
No. D3–Same as No. 3, with glass fount, " 6.50
No. 96 Fount and burner, with time regulator and glass oil reservoir, as above, " 2 50
No. 97–Same as No. 96, all tin, " 2.00

Can be set to burn a certain number of hours, and then goes out. Have outside wick regulator. Will not blow out

ONE IN A CASE



No. 55.



No 65

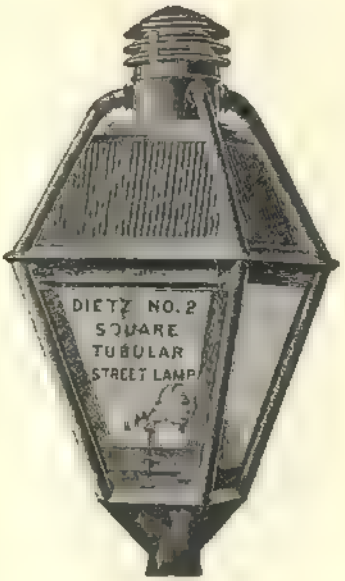
No. 55 Rochester, hanging, painted green, with No. 2 Rochester chimney and No 3 tubular globe, height with bail, 26½ in., each $10.00
No. 65 Rochester, street painted green, with No. 2 Rochester chimney, No 3 tubular globe, height 31 in , " 10.00

The lamps are protected by metal gauze against insects or bugs. No flickering light. Gives three times the light of flat wick lamp

ONE IN A CASE.

STREET LAMPS.

No. 74.



No. 2.

No. 32.

For Post or Bracket.

No. 74 Corporation, corrugated tin top, painted green height about 32 in., glass fount, No 2 Sun burner and chimney, 1 in. wick, ... each $5.00

No. 2 Square tubular, corrugated tin top, painted green, height 36 in., large tin fount can be set to burn a certain number of hours and then go out, No 3 burner, $1\frac{1}{2}$ in wick, requires no chimney, 3 in flame, ... each 9.00

No. 32 Square, gasoline, painted green, removable white dome, heavy spun top, iron socket, malleable iron corner rods, height 40 in., ... each 7.50

ONE IN A CRATE.

STREET LAMP POSTS.

Turned Cedar, for all styles of post lamps, length 10 ft., turned 7 ft., ... each $1 80

ELGIN GIANT 10 KARAT GOLD FILLED 18 SIZE CASES.

Guaranteed to wear for 20 years. Solid Gold Joints, Bows and Thumb-pieces.

PRICES ARE FOR CASES ONLY. FOR PRICES OF ALL AMERICAN MOVEMENTS SEE PAGES 175-176.

No. 2596. 18 Size, Hunting $16 00

No. 2597. 18 Size, Hunting.. .. $21 00

No. 2598. 18 Size, Hunting.....$17 00

No. 2599. 18 Size, Hunting.....$17 00

No. 2600. 18 Size, Hunting..... $17 00

No. 2600½. 18 Size, Hunting $16 00

ELGIN COMMANDER 14 KARAT GOLD FILLED 18 SIZE CASE.

Guaranteed to wear for 20 years. Solid Gold Joints, Bows and Thumb-pieces.

Prices are for Cases only. For prices of all American Movements see pages 175-176.

No. 2591. 18 Size, Hunting..... $31 00

LOUIS XIV.

No. 2590. 18 Size, Hunting..... $25 00

No. 2592. 18 Size, Hunting..... $25 00

No. 2594. 18 Size, Hunting.. ..... $27 00

No. 2593. 18 Size, Hunting..... $22 00

No. 2595. 18 Size, Hunting. . $22 00

ELGIN GIANT 10 KARAT GOLD FILLED CASES.

SOLID GOLD BOWS, JOINTS AND THUMB-PIECES.

Guaranteed to wear for 20 years.

No. 2448. 6 Size.....$14 00

No. 2449. 6 Size.....$14 00

No. 2450. 6 Size $14 00

No. 2451. 6 Size $14 00

No. 2452. 6 Size..... ..... . $14 00

No. 2455. 6 Size.....$13 00

No. 2453. 6 Size.....$13 00

No. 2454. 6 Size.....$14 00

FOR PRICES OF MOVEMENTS SEE PAGES 175-176.

ELGIN COMMANDER 14 KARAT GOLD FILLED CASES.

SOLID GOLD BOWS, JOINTS AND THUMB-PIECES.

Guaranteed to wear for 20 years.

No. 2440. 6 Size $17 00

No. 2441. 6 Size . . . $15 00

No. 2442. 6 Size..... .... $17 00

No. 2443. 6 Size.....$16 00

No. 2444. 6 Size..... ..... $16 00

No. 2446. 6 Size $16 00

No. 2445. 6 Size..... ..$16 00

No. 2447. 6 Size. $16 00

FOR PRICES OF MOVEMENTS SEE PAGES 175-176.

ELGIN PRIDE 16 KARAT GOLD FILLED CASES.

SOLID GOLD BOWS, JOINTS AND THUMB-PIECES.

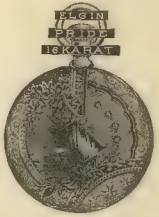
Guaranteed to wear 25 years.

No. 2432. 6 Size.....$23 00

No. 2434. 6 Size $23 00

No. 2433. 6 Size $23 00

No. 2435. 6 Size ... $23 00



No. 2437. 6 Size..... ... . $23 00

No. 2436. 6 Size $25 00

No. 2438. 6 Size.. . .. . $23 00

No. 2439. 6 Size.....$23 00

FOR PRICES OF MOVEMENTS SEE PAGES 175-176.

ELGIN COMMANDER 14 KARAT GOLD FILLED CASES.

DIAMOND ORNAMENTED.

Guaranteed to wear for 20 years.

No. 2425. 6 Size.....$29 00
One Genuine Diamond, 22 Karat, Solid Gold Raised Star.

No. 2426. 6 Size.....$29 00
One Genuine Diamond and 22 Karat, Solid Gold Raised Bird and Flowers.

No. 2427. 6 Size.....$29 00
One Genuine Diamond, 22 Karat, Solid Gold Raised Star

No. 2428. 6 Size.....$19 00
22 Karat, Solid Gold Raised Flowers

No. 2430. 6 Size.....$22 00
22 Karat, Solid Gold Raised Flowers.

No. 2429. 6 Size.....$19 00
22 Karat, Solid Gold Raised Flowers

No. 2429½. 6 Size.....$22 00
22 Karat, Solid Gold Raised Bird and Flowers.

No. 2431. 6 Size.....$22 00
22 Karat, Solid Gold Raised Bird.

FOR PRICES OF MOVEMENTS SEE PAGES 175-176.

Price List of Watch Movements in all Makes and Sizes.

ELGIN NATIONAL WATCH CO. FULL PLATE MOVEMENTS.

18 Size Nickel Hunting Movements, Stem-Wind.

B. W. Raymond.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring, Double Sunk Dial	$32 00
H. H. Taylor.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	24 00
G. M. Wheeler.	15 Jewels, Patent Regulator	16 00
No. 89 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	24 00
No. 126 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	20 00
No. 103 Nameless.	15 Jewels, Patent Regulator	16 00
No. 102 Nameless.	11 Jewels, Half Nickel	11 00

18 Size Nickel Open Face Movements, Stem-Wind.

B. W. Raymond.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring, Double Sunk Dial	$32 00
G. M. Wheeler.	15 Jewels, Patent Regulator	16 00
No. 124 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	20 00
No. 44 Nameless.	15 Jewels, Patent Regulator	16 00
No. 43 Nameless.	11 Jewels, Half Nickel	11 00

18 Size Gilded Hunting Movements, Stem-Wind.

B. W. Raymond.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring, Double Sunk Dial	$28 00
H. H. Taylor.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	20 00
G. M. Wheeler.	15 Jewels, Patent Regulator	15 00
No. 90 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	20 00
No. 125 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	19 00
No. 88 Nameless.	15 Jewels, Patent Regulator	15 00
No. 10 Nameless.	11 Jewels	10 50
No. 96 Nameless.	7 Jewels	8 00

18 Size Gilded Open Face Movements, Stem-Wind.

B. W. Raymond.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring, Double Sunk Dial	$28 00
H. H. Taylor.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	20 00
G. M. Wheeler.	15 Jewels, Patent Regulator	15 00
No. 70 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	20 00
No. 123 Nameless.	15 Jewels, Patent Regulator, Adjusted, Breguet Hairspring	19 00
No. 75 Nameless.	15 Jewels, Patent Regulator	15 00
No. 74 Nameless.	11 Jewels	10 50
No. 73 Nameless.	7 Jewels	8 00

16 Size Hunting Movements, Stem-Wind.

No. 4.	Nickel,	15 Jewels, Compensation Balance, Breguet Hairspring, Adjusted, Patent Regulator	$24 00
No. 3	Gilt,	15 Jewels, Compensation Balance, Breguet Hairspring, Adjusted	19 00
No. 2	Gilt,	15 Jewels, Compensation Balance, Patent Regulator	15 00
No. 127	Nickel,	11 Jewels, Compensation Balance	11 50
No. 92	Gilt,	11 Jewels, Compensation Balance	10 50
No. 114.	Gilt,	7 Jewels, Compensation Balance	8 00

16 Size Open-Face Movements, Stem-Wind.

No. 1.	Nickel,	15 Jewels, Compensation Balance, Breguet Hairspring, Patent Regulator	$24 00
No. 107	Gilt,	15 Jewels, Compensation Balance, Breguet Hairspring, Patent Regulator	19 00
No. 1.	Gilt,	15 Jewels, Compensation Balance, Patent Regulator	15 00
No. 128	Nickel,	11 Jewels, Compensation Balance	11 50
No. 105.	Gilt,	11 Jewels, Compensation Balance	10 50
No. 104	Gilt,	7 Jewels, Compensation Balance	8 00

6 Size Pendant Setting Movements, Stem-Wind.

No. 122.	Nickel, 17 fine Ruby Jewels in Raised Gold Settings, Compensation Balance, Breguet Hairspring, finely Adjusted and finished throughout	$40 00
No. 121	Nickel, 15 Jewels, Compensation Balance	20 00
No. 120.	Nickel, 13 Jewels, Compensation Balance	15 00
No. 119.	Nickel, 11 Jewels, Compensation Balance	12 50
No. 118.	Gilt, 11 Jewels, Compensation Balance	11 50
No. 117.	Gilt, 7 Jewels, Compensation Balance	9 00

0 Size Pendant Setting Movements, Stem-Wind.

No. 112.	Nickel, 17 fine Ruby Jewels in Raised Gold Settings, Compensation Balance, Adjusted	$40 00
No. 111.	Nickel, 15 Jewels, Compensation Balance	20 00
No. 115.	Nickel, 13 Jewels, Compensation Balance	15 00
No. 110.	Nickel, 11 Jewels, Compensation Balance	12 50
No. 113.	Gilt, 11 Jewels, Compensation Balance	11 50
No. 108.	Gilt, 7 Jewels, Compensation Balance	9 00

The American Waltham Watch Co. Full Plate Movements.

18 Size Nickel Hunting and Open Face Movements.

Crescent Street.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	$40 00
Appleton, Tracy & Co.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	32 00
E. S. Hewett	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	20 00
No. 35 Nameless.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	32 00
No. 25 Nameless.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	24 00
No. 15 Nameless.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	20 00
No. 15 Nameless.	15 Jewels, Compensation Balance, Patent Regulator	16 00
No. 8 Nameless.	11 Jewels, Compensation Balance	11 00

Price List of Watch Movements in all Makes and Sizes—Continued.

THE AMERICAN WALTHAM WATCH CO., FULL PLATE MOVEMENTS.

18 Size Gilt Hunting and Open Face Movements.

Appleton, Tracy & Co	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	$28 00
P. S. Bartlett.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	19 00
No. 15 Nameless.	15 Jewels, Compensation Balance, Patent Regulator, Adjusted, Breguet Hairspring	19 00
No. 15 Nameless.	15 Jewels, Compensation Balance, Patent Regulator, Breguet Hairspring	15 00
No. 3 Nameless.	11 Jewels, Compensation Balance	10 50
No. 1 Nameless.	7 Jewels, Compensation Balance	8 00

18 Size Non-Magnetic Hunting or Open Face.

Crescent Street	Nickel, 15 Jewels, Patent Regulator, Adjusted Double Sunk Dial	$50 00
No. 40 Nameless	Nickel, 15 Jewels, Patent Regulator, Adjusted, Double Sunk Dial	32 00
No. 40 Nameless.	Gilt, 15 Jewels, Patent Regulator, Adjusted, Double Sunk Dial	25 00
No. 1 Nameless.	Gilt, 7 Jewels	10 00

6 Size Three-Quarter Plate, Pendant Setting.

S.	Nickel, 17 Fine Ruby Jewels in Gold Setting, Breguet Hairspring, Adjusted	$40 00
K.	Nickel, 15 Ruby Jewels in Gold Setting, Breguet Hairspring	20 00
H.	Nickel, 11 Jewels in Settings, Breguet Hairspring	14 00
W.	Nickel, 11 Jewels in Settings	12 50
L.	Gilt, 11 Jewels, Compensation Balance	11 50
J.	Gilt, 7 Jewels, Compensation Balance	9 00

0 Size Three-Quarter Plate, Pendant Setting.

No. 70	Nickel, 17 fine Ruby Jewels in Gold Settings, Compensation Balance, Adjusted, Breguet Hairspring	$40 00
No. 68	Nickel, 15 Ruby Jewels in Gold Settings, Compensation Balance, Breguet Hairspring	20 00
No. 66	Nickel, 11 Jewels in Brass Settings, Compensation Balance	14 00
No. 64	Nickel, 11 Jewels in Brass Settings, Compensation Balance	12 50
No. 60	Gilt, 11 Jewels in Brass Settings, Compensation Balance	11 50
No. 62.	Gilt, 7 Jewels, Compensation Balance	9 00

HAMPDEN WATCH CO. FULL PLATE MOVEMENTS.

18 Size Named Hunting and Open Face Movements.

Special Railway	Nickel, 17 fine Ruby Jewels, Pat. Regulator, Adjusted, Comp. Balance, Breguet Hairspring	$70 00
New Railway	Nickel, 17 fine Ruby Jewels, Pat. Regulator, Adjusted, Comp. Balance, Breguet Hairspring	50 00
Anchor.	Nickel, 17 fine Ruby Jewels, Pat. Regulator, Adjusted, Comp. Balance, Breguet Hairspring	40 00
John C. Dueber 25th	Nickel, 17 Ruby Jewels, Pat. Regulator, Adjusted, Comp. Balance, Breguet Hairspring	30 00
John C. Dueber.	Nickel, 17 Ruby Jewels, Pat. Regulator, Adjusted, Comp. Balance, Breguet Hairspring	24 00
Dueber	Nickel, 16 Ruby Jewels, Pat. Regulator, Comp. Balance, Breguet Hairspring	16 00
Dueber Watch Co.	Nickel, 11 Jewels, Compensation Balance	14 00
Dueber Watch Co.	Gilt, 11 Jewels, Compensation Balance	11 50
Gladstone.	Gilt, 9 Jewels, Compensation Balance	10 00

18 Size Nameless Hunting and Open Face Movements.

No. 68	48	Nickel, 17 Ruby Jewels, Patent Regulator, Compensation Balance, Breguet Hairspring, Adjusted	$40 00
No. 67	47.	Nickel, 17 Ruby Jewels, Patent Regulator, Compensation Balance, Breguet Hairspring, Adjusted	30 00
No. 63	43	Nickel, 17 Ruby Jewels, Patent Regulator, Compensation Balance, Breguet Hairspring, Adjusted	24 00
No. 60	40	Gilt, 15 Jewels, Patent Regulator, Compensation Balance, Breguet Hairspring, Adjusted	19 00
No. 64	44.	Nickel, 16 Jewels, Patent Regulator, Compensation Balance, Breguet Hairspring	16 00
No. 65	45.	Nickel, 11 Jewels, Compensation Balance	14 00
No. 66	46.	Gilt, 11 Jewels, Compensation Balance	11 50
1 Dueber 21.	Gilt.	7 Jewels, Compensation Balance	8 00

6 Size Three-Quarter Plate Movements.

No. 220.	Nickel, 17 fine Ruby Jewels in Solid Gold Settings, Compensation Balance, Adjusted	$30 00
No. 215	Nickel, 16 fine Ruby Jewels in Solid Gold Settings, Compensation Balance	20 00
No. 213.	Nickel, 15 fine Ruby Jewels, Compensation Balance	16 00
No. 206.	Nickel, 11 Jewels, Compensation Balance	12 50
No. 200.	Gilt, 7 Jewels, Compensation Balance	9 00

BRANDEGEE & CO., FINE WATCH MOVEMENT.

16 Size Hunting and Open Face S. W.

(Fitting Elgin 16 Size Cases.)

No. 1.	Nickel, 20 fine Ruby Jewels in Gold Settings, Center Jeweled, Full Cap Jeweled Escapement, Adjusted to Temperature, Isochronism and 6 positions, Micrometer Regulator, Breguet Hairspring, Double Sunk Dial	$120 00
No. 2.	Nickel, 18 fine Ruby Jewels in Gold Settings, Center Jeweled, Cap Jeweled Escape Wheel, Adjusted to Temperature, Isochronism and 4 positions, Micrometer Regulator, Breguet Hairspring, Double Sunk Dial	80 00
No. 3.	Nickel, 16 Ruby Jewels in Gold Settings, Center Jeweled, Adjusted to Temperature, Isochronism and 2 positions, Micrometer Regulator, Breguet Hairspring	50 00

These movements are highly finished and beautifully damaskeened; have *Double Roller Escapements* and *Safety Center Pinions* and for fine time-keeping are *Unexcelled.*

PAILLARD 16 SIZE NON-MAGNETIC MOVEMENTS.

These movements are the Best Non-Magnetic on the market. The workmanship and finish are of the very best. This line will fit 16 Size Cases only. Made in Hunting and Open Face.

No. 71.	Nickel, 20 finest quality Red Ruby Jewels in Gold Settings, Jewel Center, Full Cap Jewel Escapement, Breguet Hairspring accurately Adjusted to Temperature, Isoch. and all positions, Microm. Regulator, D. S. Dial	$100 00
No. 72.	Nickel, 18 fine Ruby Jewels in Gold Settings, Jeweled Center, Cap Jeweled Escape Wheel Breguet Hairspring, accurately Adjusted to Temperature, Isochronism and 6 positions, Microm. Regulator, D. S. Dial	70 00
No. 73.	Nickel, 16 Ruby Jewels in Gold Settings, Jewel Cent. Breguet H. S., Adj. to Temp., Isoch. and 4 positions, Microm. Reg.	50 00
No. 81.	Nickel, 15 Jewels in Settings, Adj. to Heat and Cold, Breguet Hairspring, Patent Micrometer Regulator	30 00
No. 83.	Gilded, 11 Jewels (top plate) in Settings, Exposed Pallets, Flat Spring, Straight Regulator	16 00
No. 84.	Gilded, 7 Jewels, Exposed Pallets, Flat Spring, Straight Regulator	12 00

SHOOTERS' SUNDRIES.

SHELL BAGS.

No. 101–Canvas, without pocket, holds 50 shells, - - - - - per doz. $ 5.00
No. 102–Canvas, without pocket, holds 75 shells, - - - - - per doz. 5.10
No. 103–Canvas, without pocket, holds 100 shells, - - - - - per doz. 5.65
No. 110 Canvas, with pocket, holds 50 shells, per doz. - - - - - - - 5.80
No. 120 Canvas, with pocket holds 75 shells, per doz. - - - - - - - 6.30
No. 130 Canvas, with pocket, holds 100 shells, per doz. - - - - - - - 7.00
No. 140–Leather, with pocket and shoulder piece, - - - - - - per doz. 24.25

SHELL BOXES.

No. 1–Japanned, IXXX tin, holds 150 shells, size 13½ × 9½ × 3 in., - - - each $2.50
No. 2 Japanned, IXXX tin, holds 300 shells, size 13½ × 9½ × 6 in. - - - - each 3.35

No. 375 Solid leather, lined with tin, holds 200 shells, size about 12 × 6 × 6 in., - each $5.00

POWDER FLASKS.

No. 1008 8 oz., fast top, graduated, per doz. $3 40
No. 3012 12 oz., fast top, graduated, " 7.15
No. 7016 16 oz., fast top, graduated, " 8.75

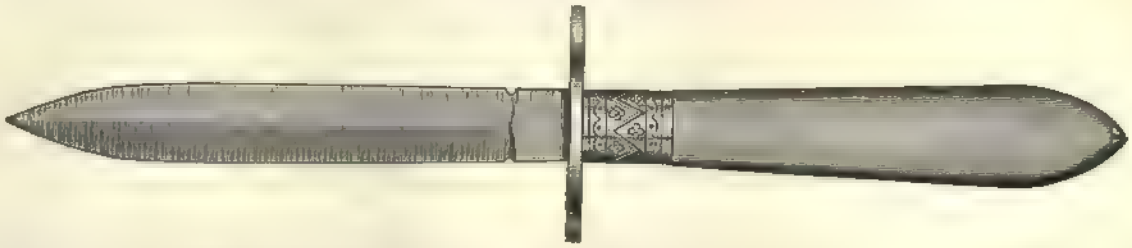
SHOT POUCHES.

No. 202½–2½ lb., Irish charger, dead game, per doz. - - - - - - - $4.00

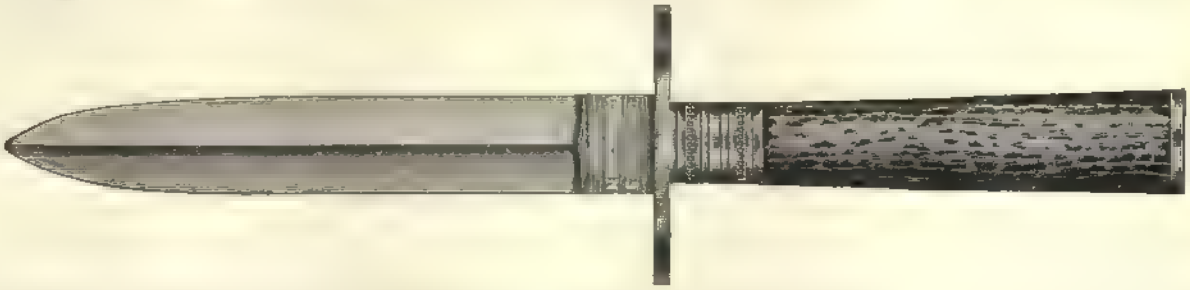
GAME CARRIERS.

No. 1–Rudolph's, leather, will hold a dozen ducks or three dozen snipe, and will take the head of a rabbit as well as quail, chicken or goose, per doz. - - - - - - - $4.50

DAGGERS.



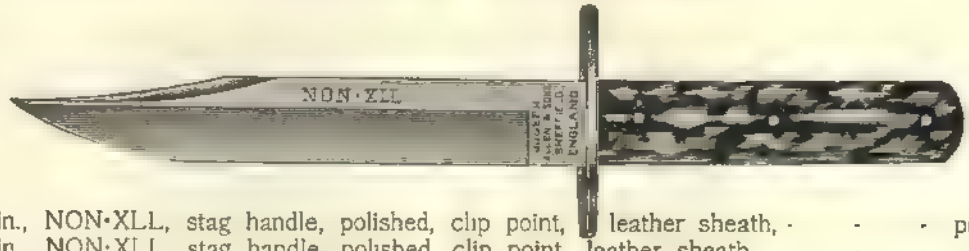
No. 120P–4 in., solid pearl handle, double edge, crocus polished, leather sheath, - - - per dozen $26.25



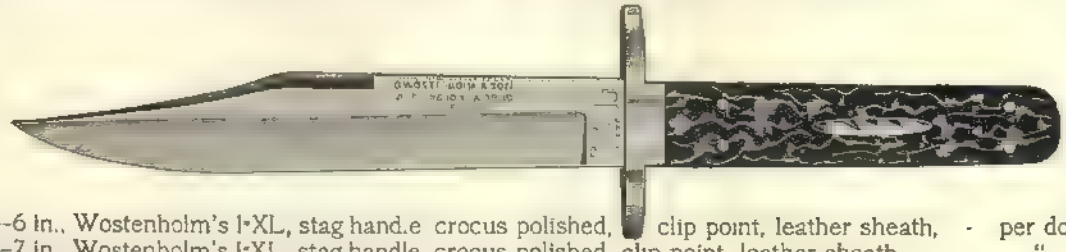
No. 120S–4 in., genuine stag handle, double edge, crocus polished, leather sheath, - - per dozen $14.00

HALF DOZEN IN A BOX.

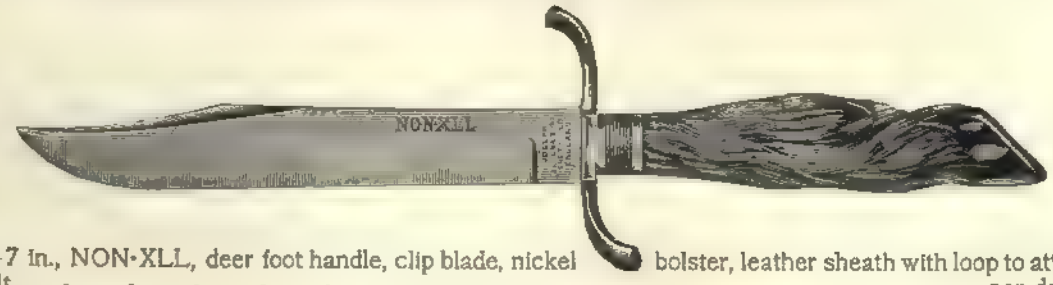
BOWIE KNIVES.



No. 7374–4 in., NON-XLL, stag handle, polished, clip point, leather sheath, - - - per dozen $10.50
No. 7375–5 in., NON-XLL, stag handle, polished, clip point, leather sheath, - - " 11.50
No. 7376 6 in., NON-XLL, stag handle, polished, clip or spear point, leather sheath, - " 12.75
No. 7377 7 in., NON-XLL, stag handle, polished, clip or spear point, leather sheath, - " 15.75
No. 7378 8 in., NON-XLL, stag handle, polished, clip or spear point, leather sheath, - " 18.00



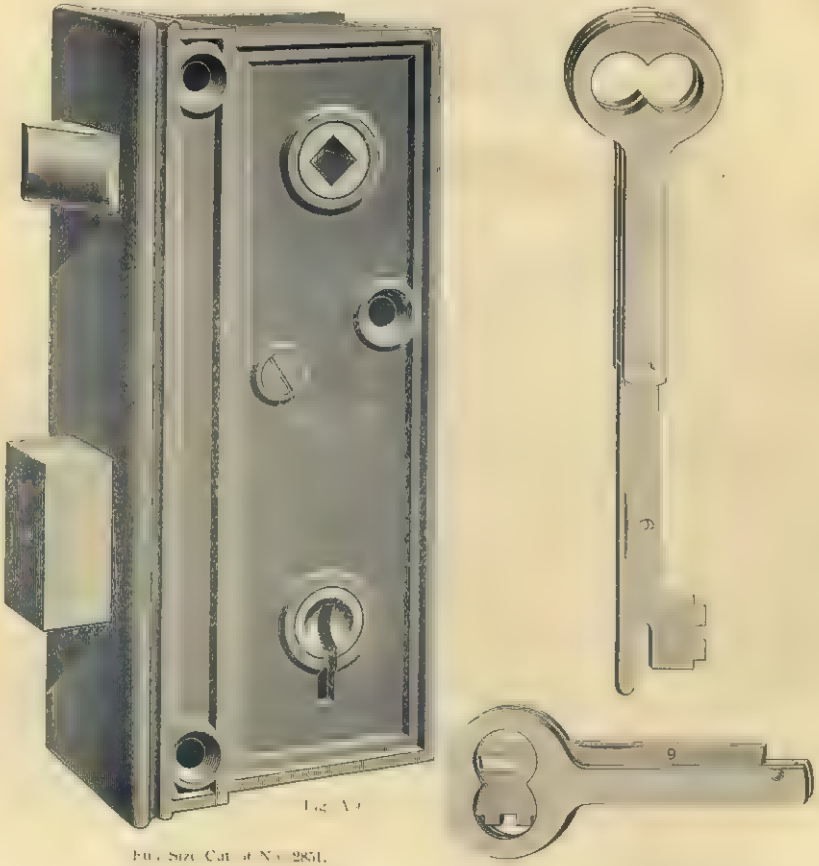
No. 7874–6 in., Wostenholm's I-XL, stag handle crocus polished, clip point, leather sheath, - per dozen $26.25
No. 7880–7 in., Wostenholm's I-XL, stag handle, crocus polished, clip point, leather sheath, - " 30 65
No. 8998 8 in., Wostenholm's I-XL, stag handle crocus polished, clip point, leather sheath, - " 35.00



No. 1194–7 in., NON-XLL, deer foot handle, clip blade, nickel bolster, leather sheath with loop to attach to belt, - - - - - - - - - - - - - - - - per dozen $23.65

HALF DOZEN IN A BOX.

Upright Rim Store Door Knob Locks.



Full Size Cut of No. 2851.

5¾ x 2½ Inch.

Reverse by Removing Cap. Japanned Case.

Number.	Packed with Screws, and Japanned Plate Escutcheons No. 15.	With Knobs with Two Keys
2851B	Iron Bolts, 2 Nickel-plated Folding Steel Keys, 1 Tumbler, 16 Changes, with No. 1113 Crank Handle Knob, per dozen	**$33 60**

Knobs Suitable for the Above Locks.

Crank Handle, Porcelain Knob, Japanned Mountings . . . No. 1113
Crank Handle, Porcelain Knob, Nickel-plated Mountings . . . " 1173

Keys Suitable for the Above Locks.

Nickel-plated Folding Steel Keys No. 481 . . . . . For Locks No. 2851

One-twelfth dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Upright Rim Store Door Knob Locks.

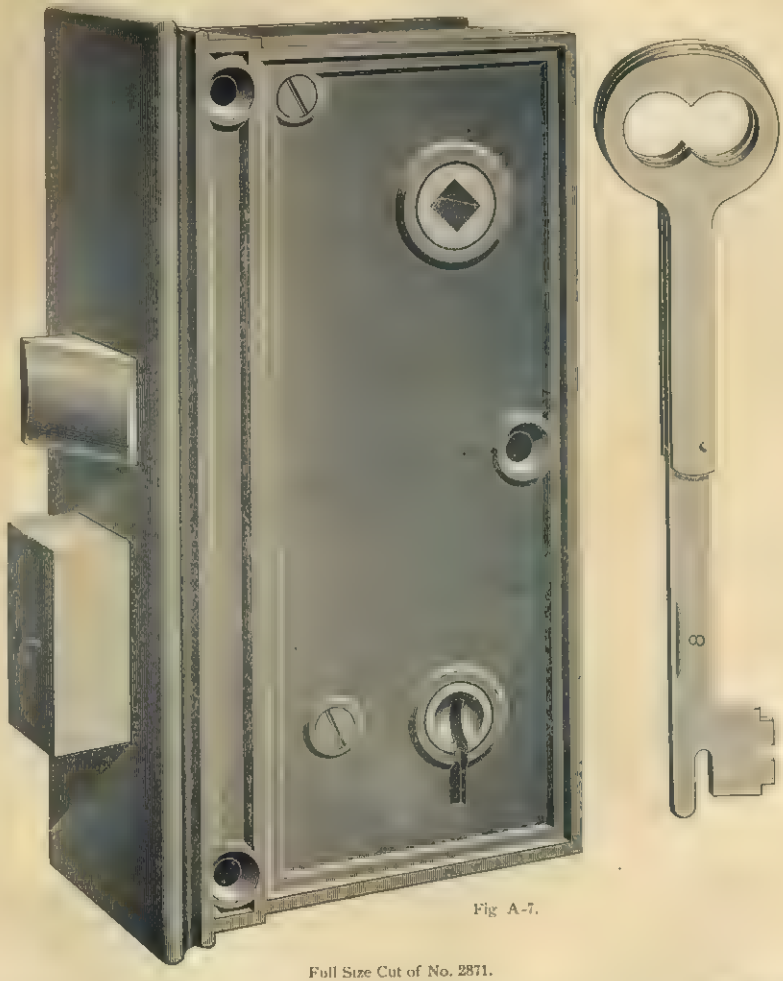


Fig A-7.

Full Size Cut of No. 2871.

Patent Reversible. Easy Spring. **7 x 3½ Inch.** Japanned Case.

Number	Packed with Screws, and Japanned Escutcheons No. 15.	With Knobs & Two Keys Per Dozen
2871B	Iron Bolts, 2 Nickel-plated Folding Steel Keys, 1 Tumbler, 16 Changes, with No. 1113 Crank, Handle Knobs	**$46 60**

Knobs Suitable for the Above Locks.

Crank Handle, Porcelain Knob, Japanned Mountings — No. 1113
Crank Handle, Porcelain Knob, Nickel-plated Mountings — " 1173

Keys Suitable for the Above Locks.

Nickel-plated Folding Steel Keys, No. 486 — For Locks No. 2871

One-twelfth dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Horizontal Rim Dead Locks.

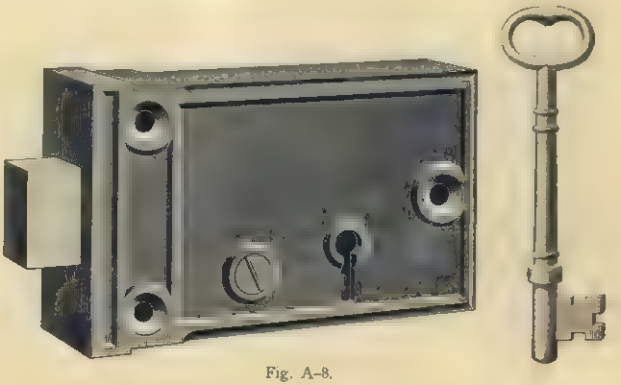


Fig. A-8.

Full Size Cut of No. 4410. The Cut shows the Tinned Malleable Iron Key.

Fig. A-9.

Full Size Cut of Nos. 4451-4458. The Cut shows the Patent Steel Key.

Right or Left Hand.

Numbers		Per dozen.
	3 x 2 Inch.	
4410	Iron Bolt, Coppered Iron Key	$2 30
	3½ x 2½ Inch.	
4451	Iron Bolt, Nickel-plated Patent Steel Key, 1 Tumbler, 12 Changes	$ 6 00
4458	Brass Bolt, Nickel-plated Patent Steel Key, 3 Tumblers, 48 Changes	11 50
	4 x 2½ Inch.	
4460	Iron Bolt, Tinned Malleable Iron Key, 1 Tumbler	$5 00

Packed one-half dozen in a box.

Upright Rim Store Door Dead Locks.

Right or Left Hand. Japanned Case.

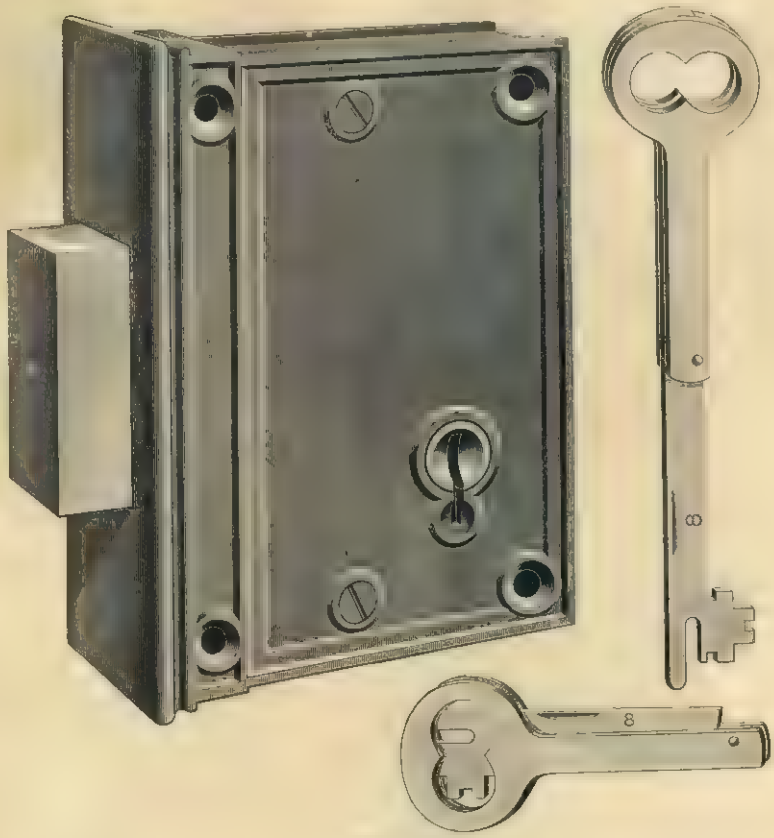


Fig. A 10

Full Size Cut of No. 4561.

Numbers	Packed with Screws, and Japanned Plate Escutcheons No. 15.	With 2 Keys. Per dozen.
	5 x 3½ Inch.	
4561	Iron Bolt, 2 Nickel-plated Folding Steel Keys, 1 Tumbler, 16 Changes	$17 40
	6 x 3½ Inch.	
4571	Iron Bolt, 2 Nickel-plated Folding Steel Keys, 1 Tumbler, 16 Changes .	$25 20

Packed one-twelfth dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Upright Rim Store Door Dead Locks.

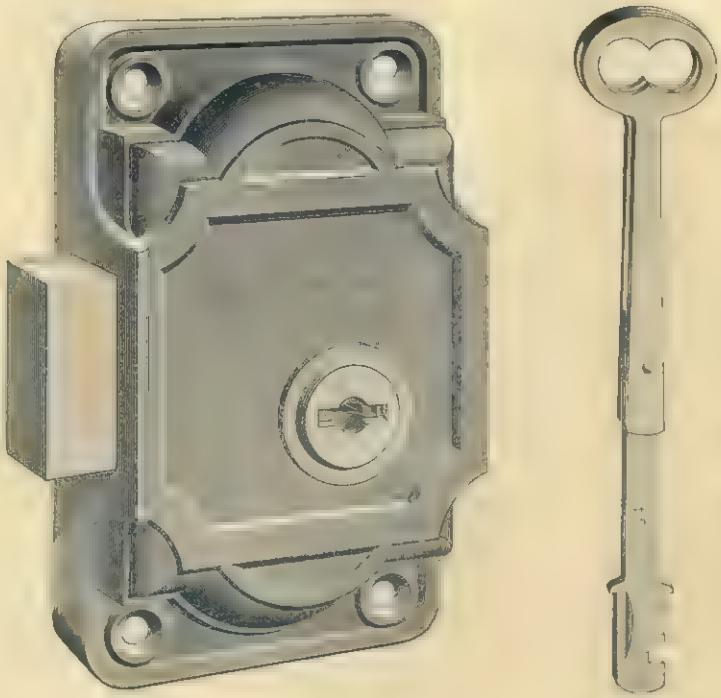


Fig. A-11
Full Size Cut of No. 4592

5 x 2⅞ Inch.

Right or Left Hand. Japanned Case.

Number	Packed with Screws, and Bronze Metal Round Plate Escutcheons No. 809A.	With 2 Keys, Per dozen.
4592	Iron Bolt, Brass Bushed Key Hole, 2 Nickel-plated Folding Steel Keys, 2 Tumblers, 16 Changes.	$30 60

Keys suitable for the above Locks, Nickel-plated Folding Steel Keys No. 492.

One-twelfth dozen in a box.

Bronze Metal Key Blanks.

All Full Size Illustrations.

Fig. A–207.
No. **158**
Per dozen, **$1 75.**

Fig. A–208.
No. **186**
Per dozen, **$1 75.**

Fig. A–209
No **194**
Per dozen, **$1 75.**

Fig. A 210.
No. **208**
Per dozen, **$1 50.**

Fig. A–211.
No **211**
Per dozen, **$1 50.**

Fig A–212.
No **216**
Per dozen, **$1 50.**

Fig. A–213
No **217**
Per dozen, **$1 40.**

Fig. A–214.
No. **231**
Per dozen, **$2 00.**

Fig. A–215.
No. **340**
Per dozen, **$1 75.**

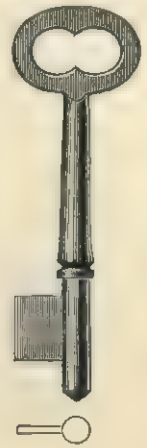


Fig. A–216.
No **534**
Per dozen, **$1 50.**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Bronze Metal Key Blanks.

All Full Size Illustrations.

Fig. A-217.
No. **683**
Per dozen, **$1 75**

Fig. A-218.
No. **685**
Per dozen, **$1 75**

Fig. A 2 9.
No. **689**
Per dozen, **$1 50**

Fig. A-220
No. **693**
Per dozen **$1 50.**

Fig. A-221.
No. **709**
Per dozen, **$1 50**

Fig. A-222.
No. **728**
Per dozen, **$1 10.**

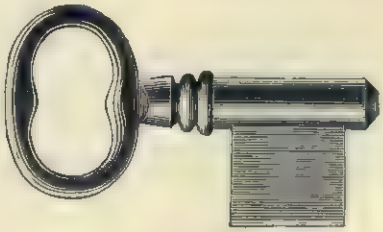


Fig. A-224
No. **755**
Per dozen **$2 00.**

Fig. A-223
No. **718**
Per dozen, **$1 10.**

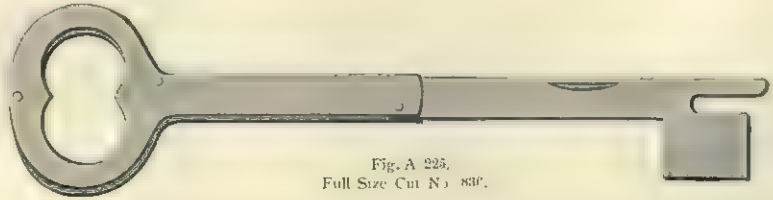


Fig. A 225.
Full Size Cut No. 836.

No. **836** . . . . . Per dozen, **$5 00**
No. **841**. Size Smaller . . . . . " **5 00**

Upright Rim Knob Locks.

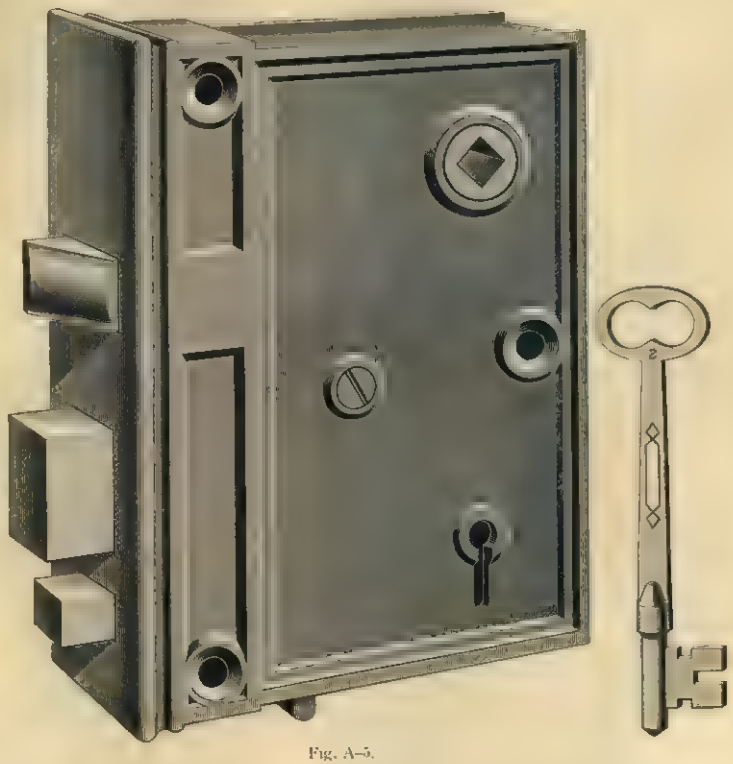


Fig. A–5.

Thumb Bolt. Full Size Cut of Nos. 5237. The cut shows the Patent Steel Key.

Japanned Case. Patent Reversible.

Packed with Screws, and Japanned Plate Escutcheons.

Thumb Bolt.

Numbers		Without Knobs. Per dozen
	5 x 3½ Inch.	
5237	Iron Bolts, Nickel-plated Patent Steel Key, 1 Tumbler, 24 Changes Packed (13 to 18) (19 to 24)	**$11 60**
5238	Brass Bolts and Hub, Nickel-plated Patent Steel Key, 1 Tumbler, 24 Changes .	**20 40**
	6 x 4 Inch.	
5337	Iron Bolts, Nickel-plated Patent Steel Key, 1 Tumbler, 24 Changes	**$15 20**

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

BABY CARRIAGES.

Reed Body, Finished, Embossed Cane Bottom, Full Size.

No. 136A–Cretonne upholstering, with plush roll, silesia parasol, with scalloped edge, each $13.70

No. 136B–American damask upholstering, with plush roll, sateen parasol, with lace or ruffle edge, - - each 14.85

No. 136C–Figured plush upholstering, with roll of same, sateen parasol, with lace or ruffle edge, - - each 16.25

Gear No. 2, with steel wheels

No. 136.

No. 139.

Reed and Wood Body, Finished Antique, Brussels Carpet in Bottom.

No. 139A–American damask upholstering, with plush roll and ribbons, sateen parasol, with lace or ruffle edge, - each $15.90

No. 139B Figured plush upholstering, otherwise same as No. 139A, - - each 17.35

Gear No. 2, with steel wheels.

BABY CARRIAGES.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 143A–American damask upholstering, with fancy plush roll, sateen parasol, with ruffle or lace edge, - each $20 00

No. 143B–Figured plush upholstering, with fancy roll of same, No. 2R silk satin parasol, lined, with ruffle edge, - - - each 23 25

Gear No. 3, with steel wheels and brake

No. 143.

No. 150.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 150A American damask upholstering, with fancy plush roll, sateen parasol, with ruffle or lace edge, - - each $21.25

No. 150B–Figured plush upholstering, with fancy roll of same, No. 2CR sateen parasol, with point d'esprit net covering, silk satin ruffle, puffing at top, each - - - 24 40

Gear No. 3, with steel wheels and brake.

BABY CARRIAGES.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 164A–Silk brocaline upholstering, with fancy silk plush rolls, No. 2R silk satin parasol, lined, with ruffle edge, each $31.25

No. 164B–Silk plush upholstering, otherwise same as No. 164A, each - - - - - 32 20

Gear No. 3, with steel wheels and brake

No. 164.

No. 166.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 166A–Silk brocaline upholstering, with fancy silk plush roll and corded sides, No. 2R silk satin parasol, lined, with ruffle edge, - - - each $32.00

No. 166B–Silk plush upholstering, otherwise same as No 166A, each - - - - - 33.00

Gear No. 3, with steel wheels and brake.

BABY CARRIAGES.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 140A–Removable upholstering, Persian tapestry pillows, with cords and tassels, sateen parasol, with ruffle or lace edge, - - each $16.50

No. 140B–Figured plush upholstering, otherwise same as No 140A, - - each 17.70

Gear No. 2, with steel wheels.

No 140

No. 142.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 142A–Bedford cloth upholstering, with plush roll, Bedford cloth parasol, with ruffle edge, - - - each $17.00

No. 142B–Figured plush upholstering, with roll of same, No. 2CR sateen parasol, with point d'esprit net covering, silk satin ruffle and puffing at top, - each 20 65

Gear No. 3, with steel wheels and brake.

BABY CARRIAGES.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 144A–Removable upholstering, Persian tapestry pillows, cords and tassels, sateen parasol, with ruffle or lace edge, each - - - - $19.45

No. 144 B–Removable upholstering, figured plush pillows, cords and tassels, No 2CR sateen parasol, with point d'esprit net covering, silk satin ruffle puffing at top, each 22.40

Gear No. 3, with steel wheels and brake.

No. 144

No 147.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 147A American damask upholstering, with fancy plush roll, sateen parasol, with ruffle or lace edge, - each $19.45

No. 147B–Figured plush upholstering, with fancy roll of same, No. 2R silk satin parasol, lined, with ruffle edge, - each 22.65

Gear No. 3, with steel wheels and brake.

BABY CARRIAGES.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 155A–Reversible upholstering, figured plush pillows, cords and tassels, No. 2CR sateen parasol, with point d'esprit covering, silk satin ruffle and puffing at top, each $28.30

Gear No. 3, with steel wheels and brake.

No. 155.

No. 158.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 158A–Silk brocaline upholstering, with fancy silk plush roll and corded sides, No. 2R silk satin parasol, lined, with ruffle edge, - - each $26.50

No. 158B–Silk plush upholstering, otherwise same as No. 158A, - - each 27.50

Gear No. 3, with steel wheels and brake.

BABY CARRIAGES.

Oak Body, Finished Antique, Cane Bottom.

No. 185A-Reversible upholstering, figured plush pillows, leather straps, No. 2R silk satin parasol, lined, with ruffle edge, - - each $23 00

No. 185B-Corduroy upholstering, otherwise same as No 185A, - - each 24.75

Gear No. 3, with steel wheels and brake.

No 185.

No 152.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 152A-Silk brocaline upholstering, with silk plush rolls, No. 2SL silk satin parasol, lined, lace edge with satin heading, - - each $25.95

Gear No. 3, with steel wheels and brake.

BABY CARRIAGES.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 165A–Silk brocaline upholstering, with roll of same and silk plush puffing, No. 2SL silk satin parasol, lined, lace edge with satin heading, - - each $30.00

No. 165B–Silk plush upholstering, otherwise same as No. 165A, - - each 31.00

Gear No. 3, with steel wheels and brake.

No. 165.

No. 161.

Reed Body, Finished, Brussels Carpet in Bottom.

No. 161A–Silk brocaline upholstering, with piped silk plush roll, plain side rolls, No. 2R silk satin parasol, lined, with ruffle edge, each $31.25

No. 161B–Silk plush upholstering, otherwise same as No. 161A, - - each 32.20

Gear No. 3, with steel wheels and brake.

Lever and Pull Door Bells.

FANCY BELL.

Fig. A–273.

Full Size Cut of Nos 203½, 213½, and 243½.

Fancy Bells.

Bell Metal.

No. **203½**. 3½ Inch, No. 1 Finish . . . . . Per dozen, **$10 00**

No. **205.** 5 Inch, No. 1 Finish . . . . . " **17 00**

Nickel Plated.

No **213½**. 3½ Inch, No. 5 Finish . . . . . Per dozen, **$11 30**

No **215** 5 Inch, No. 5 Finish . . . . . " **17 40**

Berlin Bronzed.

No. **243½**. 3½ Inch. No. 25 Finish . . . . . Per dozen, **$6 00**

Packed one in a box with screws.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Levers for Door Bells.

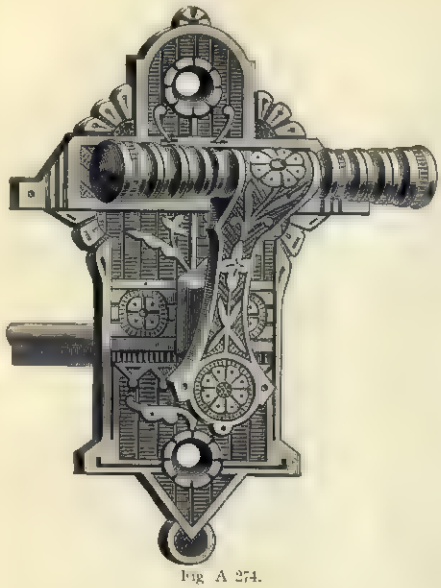


Fig. A 274.
Full Size Cut of No. 402.

No. **402.** With Fancy T Handle, No. 25 Finish,
Per dozen, **$2 20**

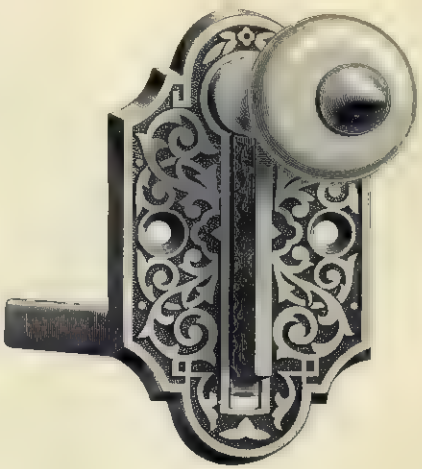


Fig. A 275
Full Size Cut of No. 401

No. **401.** With Porcelain Knob, No. 25 Finish,
Per dozen, **$3 20**

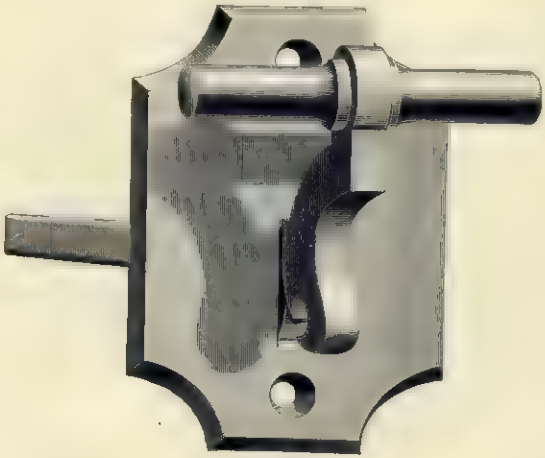


Fig. A-276
Full Size Cut of No. 708.

No. **708.** With Fancy T Handle, Plated on Metal, No. 5 Finish . . . . . Per dozen, **$11 70**
Packed one in a box with screws.

Levers for Door Bells.

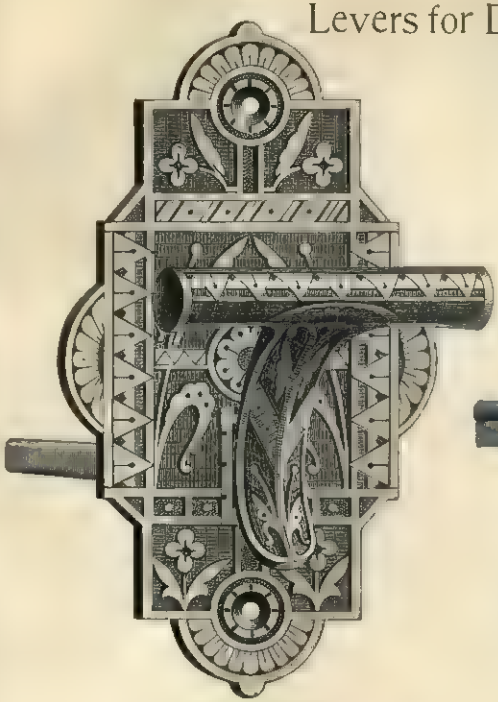


Fig. A–277. Full Size Cut of No. 403.

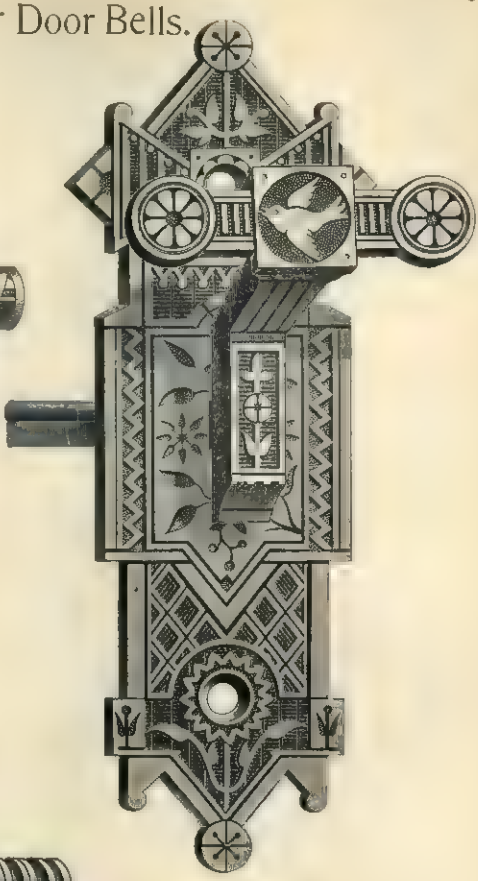


Fig. A–279.
Full Size Cut of No. K415.

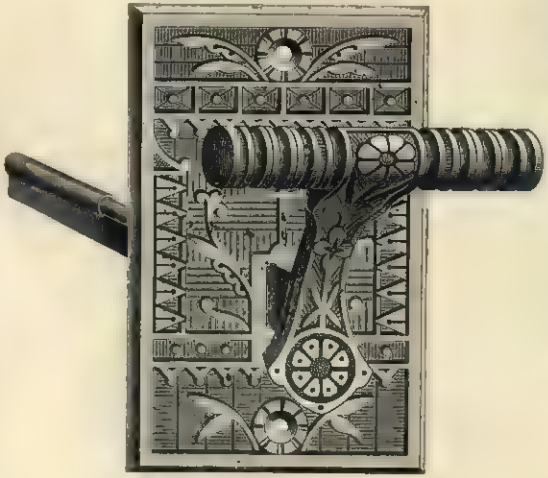


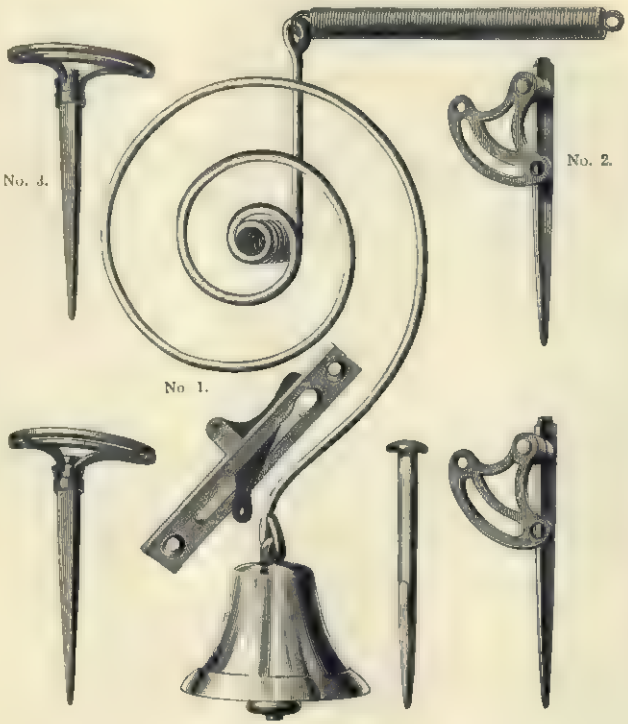
Fig. A–278 Full Size Cut of No. 1405A, etc.

		Per dozen.
No. **K1405A.**	Tokio, No. 28 Finish	**$ 4 70**
No. **M1805A.**	Imperial, No. 3 Finish . . .	**12 20**
No **403.**	With Fancy T Handle, No 25 Fin	**3 70**
No. **K415**	With Fancy T Handle, No 28 Fin	**5 00**
No. **M815.**	With Fancy T Handle, No 3 Fin	**11 50**

Packed one in a box with screws.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

House Bells on Carriages.



Group Fig. A-280.

Half Size Cut of No. 114.

With Spikes Only.

Same Carriage with Each Number, but Different Size Bell

No. **112.**	With No. 2 Polished Bell on Carriage, with Spikes	Per dozen,	**$5 75**
No. **113.**	With No. 3 Polished Bell on Carriage, with Spikes	"	**6 10**
No. **114.**	With No. 4 Polished Bell on Carriage, with Spikes	"	**7 75**
No. **2.**	Cast Brass Side Crank, Malleable Iron Spike	Per gross,	**$11 80**
No. **4.**	Cast Brass End Crank, Malleable Iron Spike	"	**16 30**
No. **1.**	Cast Brass Mortise Crank,	"	**28 75**
No **5.**	Cast Brass Check Spring	"	**6 75**

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

SPRING ALARM DOOR BELLS.

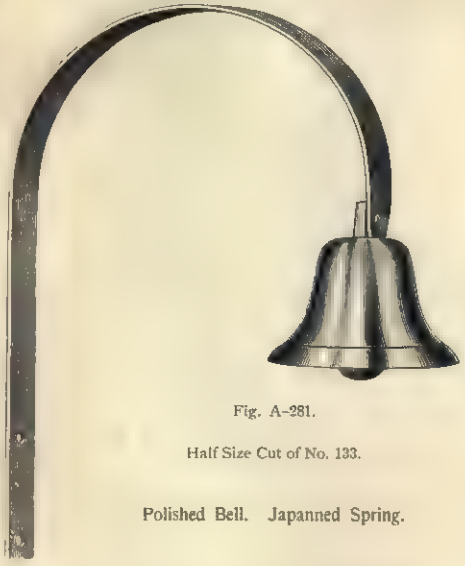


Fig. A-281.

Half Size Cut of No. 133.

Polished Bell. Japanned Spring.

No. **133.** Price . . . . . Per dozen, **$11 25**
Half dozen in a package.

ALARM WHISTLES.

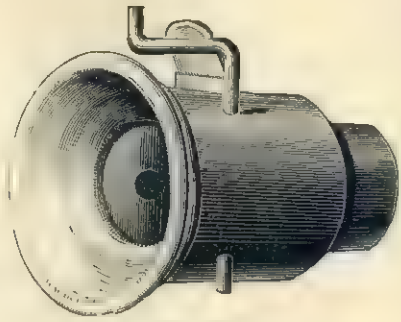


Fig. A-282.

No 158.

Porcelain Mouthpiece.

No. **158.** With Indicator . . . . . Per dozen, **$4 50**

Japanned Body.

No. **159.** Without Indicator . . . . . Per dozen, **$4 00**
Packed one dozen in a box.

BELL CRANKS.

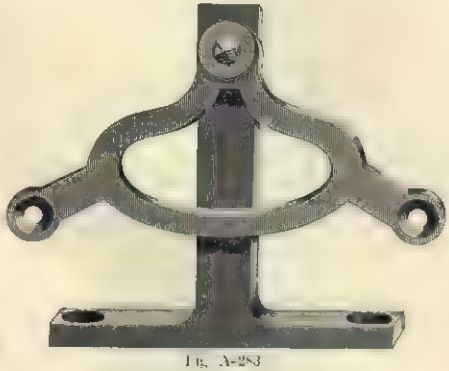


Fig. A-283

Full Size Cut of No. 33.

No. **33.** Japanned, on Plates . . . . . Per gross, **$9 60**

BELL CRANKS.

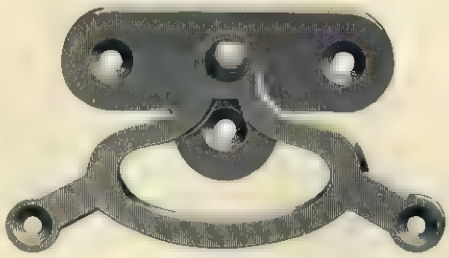


Fig. A-284.

Full Size Cut of No. 32.

No. **32.** Japanned, on Plates . . . . . Per gross, **$6 75**

TIN SPEAKING TUBE.

1 Inch . . . . . Per 100 feet, **$3 00**

ELBOWS FOR TIN SPEAKING TUBE.

Square Turn . . . . . Per 100, **$3 50**
Round Turn . . . . . " **6 00**

Rotary Electric Ring Door Bells.

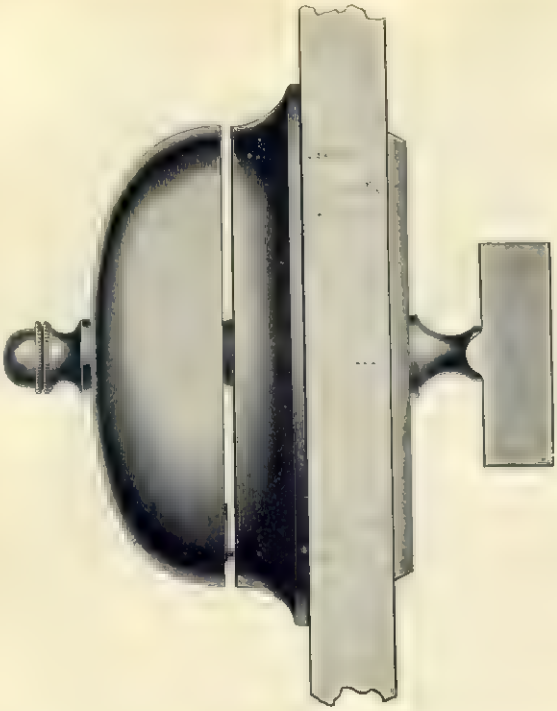


Fig. A–285. No. 83.

TO TURN.

Requires No Winding.

No. **83x/1275.** No. 3 Finish, List, «
Per dozen, **$20 00**

No. **83xAB275P.** No. 7 Finish, List,
Per dozen, **23 80**

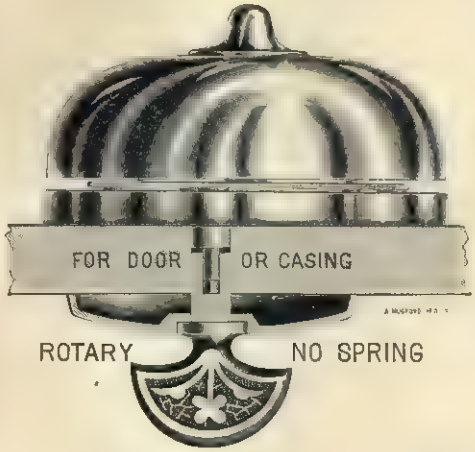
Bell Turns for the Above Bells.

Fig A–285½. M275
Packed one in a box, with screws.

Fig. A 280. AB275P.

New Departure "Rotary" Door Bells.

Electrical Results.



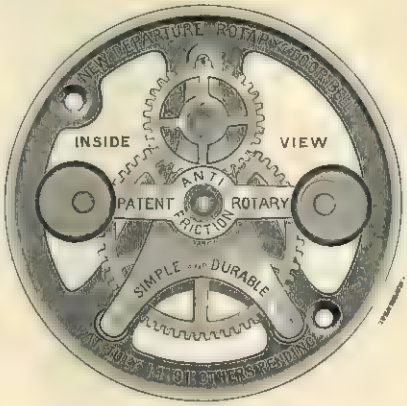


Fig A–287.

No. **101.** 3½ Inch New Departure Rotary Door Bells, Nickel Plated Gong, 3 Fin Bronze, Turn . . Per dozen, **$24 00**
No. **101.** 3½ Inch New Departure Rotary Door Bells, Nickel Plated Gong, 7 Fin Bronze, Turn . . . . " **24 00**

New Departure.

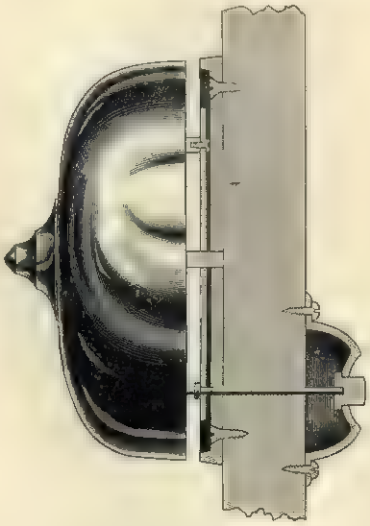


Fig. A–288

No. **420** 3½ Inch Nickel Plated Gong, 3 Finish, Bronze, "C" Plate . . . . Per dozen, **$24 00**
No. **420.** 3½ Inch Nickel Plated Gong, 7 Finish, Bronze, "C" Plate . . . . " **24 00**
Packed one in a box with screws.

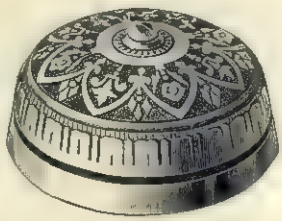
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

New Arrival Door Bells.

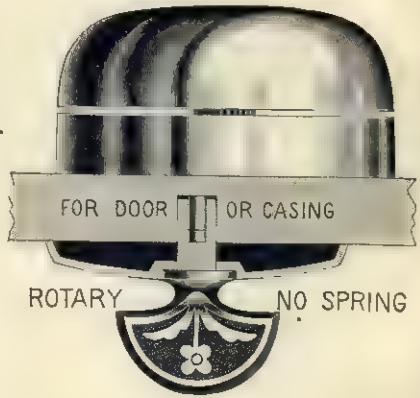
No Winding,

No Springs,

No Trouble to Put on Door.



No. 999.



No. 777.

Turns for the Above Bells.

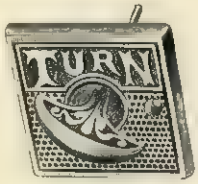


Fig. A–289

Fig. A–290.

No. 777.	Four Inch, Nickel Plated Gong, No. 7 or 3 Finish	Per dozen, **$18 00**
No. 999.	Four Inch, Nickel Plated Gong, the very Latest Design, No. 3 Finish .	" **18 00**

Packed one in a box with screws.

Electric Push Buttons.

Fig A 291.

No. **9701.** No. 7 Finish . . . . . Each, **$1 50**

Fig A–292.

Nos. 1388 and 1615. Full Size Cut.

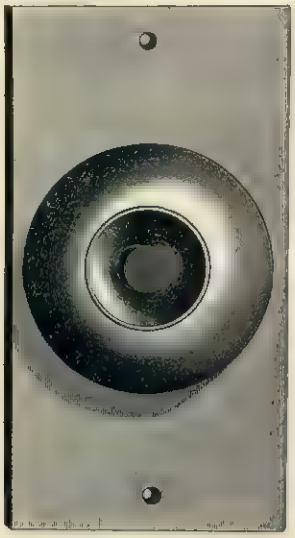


Fig. A–293.

No. 1390. Full Size Cut.

No. **1388.** Bronze Metal, No. 3 Finish . . . . . Per dozen, **$6 00**

No. **1390.** Bronze Metal, No. 1 Finish . . . . . " **7 00**

No. **1390.** Bronze Metal, No. 7 Antique Copper Finish . . . . . " **8 00**

No. **1390.** Brass Metal, No. 13 Dull Brass Finish . . . . . " **8 00**

Packed one-half dozen in a box, with screws.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Cody's Patent Air-Tight Shaft Oiler.

Advantages of Using Cody's Shaft Oilers.

Fig. A–3061.

They are as reliable in winter as in summer. Being perfectly air-tight the oil will never gum in them, and is always free from dust and grit. They will feed only when the machinery is in motion. In case of breakage, a glass can easily be replaced at a small cost.

Directions for Using.

Fill the Oiler full of oil; screw on the socket air-tight, and then screw the stem tightly into the oil-hole in bearing. When the cups need refilling, unscrew the stem out of the hole; take the Oiler apart and proceed as before. See that the hole through stem is always clear of any obstruction before putting the Oiler in its place.

☞ *See that the glass globe is always tight in its socket.*

Sectional.
Fig. A–3061.

To Regulate.

The Oilers are shipped set for a *moderate* feed. The oil-hole in the stem is drilled parallel with the slot in the set-screw. By turning the regulating screw a *quarter turn* backward the supply of oil is entirely cut off. Between these two positions of the screw any desired amount of feed may be had.

Fig. A-3061.

	1	2	3
Number			
Capacity . . Ounces	1	1⅝	2¾
Diameter . . Inches	1¼	2	2½
Height . . . . Inches	2⅝	3	3½
Each	$0 50	0 55	0 60
Extra Glasses . . . . Each	0 20	0 25	0 30

Loose Pulley Oiler.—Brass.

This Oiler must be attached to hub of pulley, is easily filled and regulated; will not throw or waste oil. It is guaranteed to give satisfaction, one filling lasting from two to four weeks, and feeding only when in motion.

Fig. A–3062

Fig. A 3062.

	0	1	2	3	4
Number					
Outside Diameter . . . Inches	1	1¼	1½	1¾	2
Capacity . . . . . Ounces	¼	½	¾	1¼	1¾
Each	$0 25	0 30	0 40	0 50	0 65

Shanks on Nos. 0, 1, 2 are threaded, ⅛-inch pipe thread.

Shanks on Nos. 3 and 4 are threaded, ¼-inch pipe thread.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Cylindrical and Urn-Shaped Glasses.

Fig. A-3063.

Fig. A-3064.

These Glasses are clear, strong and uniform in size, and interchangeable with all styles of Glass Cups illustrated on preceding pages.

Fig. A-3063.

Number	000	00	0	1	1½	2	3	4	5	6
Outside Diameter of Glass . . . . . Inches	1	1⅛	1⅛	1⅛	1⅛	2	2¼	2½	3	3½
Height of Glass . . . . . Inches	⅞	1	1⅛	1¾	1⅜	1⅞	2⅛	2¾	3	4
Each	$0 20	0 20	0 20	0 25	0 25	0 30	0 40	0 50	0 60	1 10

Fig. A-3064.

Number	000	00	0	1	1½	2	3	4	5	6
Outside Diameter of Glass . . . . . Inches	1	1⅛	1⅛	1⅛	1¾	2	2¼	2½	3	3½
Each	$0 20	0 20	0 20	0 25	0 25	0 30	0 40	0 50	0 60	1 10

Cork Washers.—For Figs. A-3063 and A-3064.

Number	000	00	0	1	1½	2	3	4	5	6
Each	$0 05	0 05	0 05	0 06	0 07	0 08	0 09	0 10	0 12	0 15

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Index Sight-Feed Glass Oil Cups.

Fig. A–3054.

Fig. A–3055

The Index Sight Feed Glass Oil Cup is of first-class quality throughout, very ornamental in appearance and made of cast brass. It has an "index" device for regulating the feed of oil, and an indicator arm turning on the lid, to mark the notch giving the desired feed. The feed can be instantly turned off and on again by replacing the index lever in the notch of the indicator arm. When the feed is shut off, the lever can be left to stand up out of the notch, thus acting as an indicator, to show from a distance that the feed is shut off. It fulfils all the requirements for dynamo and engine use, and we recommend it where a first-class, substantial cup is wanted. Fig. A–3055 has the same style feed as Fig. A–3054, but has a different shaped glass, and the sight-feed has only two holes.

Fig. A–3054. Finished Brass.

Number	0	1	1½	2	3	4	5	6
Outside Diameter of Glass, Inches	1¼	1½	1¾	2	2¼	2½	3	3½
Height of Glass, Inches	1⅛	1⅜	1⅝	1⅞	2⅛	2⅜	3	4
Capacity, Ounces	⅝	1	1½	2½	4	5	10	18
Pipe Thread, Inch	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass, Each	$1 25	1 50	1 75	2 10	2 55	3 15	3 90	4 80

Fig. A–3055. Finished Brass.

Number	0	1	1½	2	3	4	5	6
Outside Diameter of Glass, Inches	1¼	1½	1¾	2	2¼	2½	3	3½
Capacity, Ounces	⅝	1	1½	2½	4	5	10	18
Pipe Thread, Inch	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass, Each	$1 25	1 50	1 75	2 10	2 55	3 15	3 90	4 80

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, [redacted], 22 and 24 Main Street, San Francisco, Cal.

Automatic Rod Cups.

For Engine Crank Pins.

Screw Feed.

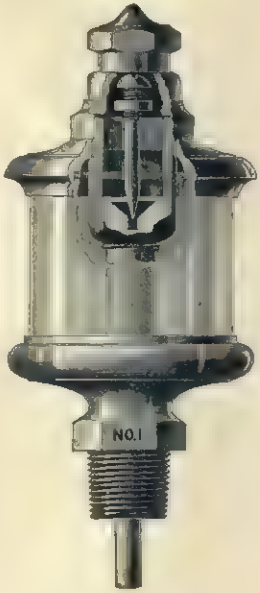


Fig. A–3058.

Needle Valve Feed.

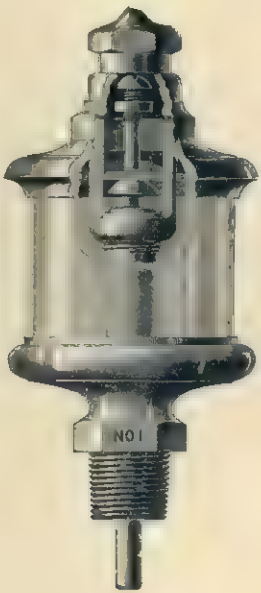


Fig. A–3059.

The AUTOMATIC SCREW FEED and NEEDLE VALVE ROD CUPS are unexcelled for use on engine or other crank bearings. They are simple, compact, strong and well made, with no complicated parts, thus are not liable to get out of order, nor will they throw and waste oil. When ordering, mention whether Screw Feed or Needle Valve Feed is wanted.

Fig. A–3059 is not made SMALLER than No. 1.

Price List.

Figs. A–3058 and A–3059.

Number	0	1	1½	2	3	4
Outside Diameter of Glass . . . . . Inches	1¼	1¼	1¾	2	2¼	2½
Height of Glass . . . . . Inches	1⅛	1⅜	1⅝	1⅞	2⅛	2⅜
Capacity . . . . . Ounces	⅝	1	1½	2½	4	5
Pipe Thread . . . . . Inch	⅛	¼	¼	⅜	⅜	⅜
Finished Brass . . . . . Each	$1 10	1 50	2 00	2 50	3 00	4 00

Sight-Feed Glass Oil Cups.

Milled Cover.

Fig. A-3050.

Fig. A-3051.

This will be found an excellent cup for engine and dynamo use. It is simple and practical, and so constructed that when the desired feed is once set it can be stopped and started at will without resetting, the spring acting as a lock and indicator when engaging the flattened side of thumb-nut.

Directions to Set Feed.—Regulate the feed by turning the milled cover, so that when the flattened side of thumb-nut engages the spring the desired feed is obtained. When the desired feed is once established, it can instantly be shut off or put on by turning the milled thumb-nut, *i. e.*, to the right, feed off; to the left, feed on.

Fig. A-3051 has the same style feed as Fig. A-3050, but has a different shaped glass, and the sight-feed has only two holes.

Fig. A-3050. Finished Brass.

Number	000	00	0	1	1½	2	3	4	5	6
Outside Diameter of Glass . . . . Inches	1	1⅛	1¼	1½	1¾	2	2¼	2½	3	3½
Height of Glass . . . . . Inches	⅞	1	1⅛	1⅜	1⅝	1⅞	2⅛	2⅜	3	4
Capacity . . . . . Ounces	¼	½	⅝	1	1½	2½	4	5	10	18
Pipe Thread . . . . . Inch	⅛	⅛	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass . . . . . Each	$0 95	1 10	1 25	1 50	1 75	2 10	2 55	3 15	3 90	4 80

Fig. A-3051. Finished Brass.

Number	00	0	1	1½	2	3	4	5	6
Outside Diameter of Glass . . . . Inches	1⅛	1¼	1½	1¾	2	2¼	2½	3	3½
Capacity . . . . . Ounces	½	⅝	1	1½	2½	4	5	10	18
Pipe Thread . . . . . Inch	⅛	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass . . . . . Each	$1 10	1 25	1 50	1 75	2 10	2 55	3 15	3 90	4 80

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"SENTINEL" SNAP LEVER SIGHT-FEED GLASS OIL CUP

Fig. A–3057.
Lever up, showing cup feeding.

Fig. A–3067.
Lever down, showing feed stopped.

THE "SENTINEL" SNAP LEVER SIGHT-FEED GLASS OIL CUP, as will be seen from the illustrations above, is handsome and ornamental in appearance, and thoroughly strong and substantial in construction. It is simple in operation, compact, well made and not liable to get out of order.

All complicated lock-nut regulating devices are dispensed with, and all that is used is a simple arrangement by means of which the feed is easily and securely adjusted. Owing to its construction, the cup will not shake to pieces when placed on jarring machinery; neither will the feed unset when either raising or lowering lever, as the curved spring which presses against the milled regulating nut prevents it from turning.

Another advantage it has is that, when set to feed a given amount of oil, it will hold up its rate of feed until cup is entirely emptied. Great care is taken in the manufacture of these cups, and they are warranted to be first-class in every particular and unequalled for durability, efficiency and reliability.

Directions to Set Feed—Raise the lever and turn the milled thumb-nut until the desired feed is obtained. The feed can be shut off by lowering the lever. When the lever is set at an angle of 45° it raises feed stem clear off its seat and cup flushes.

Price List.

Number	0	1	1½	2	3	4	5	6
Outside Diameter of Glass . . . . . Inches	1¼	1⅝	1¾	2	2¼	2½	3	3½
Height of Glass . . . . . Inches	1½	1⅝	1⅝	1⅞	2⅛	2⅜	3	4
Capacity . . . . . Ounces	⅝	1	1½	2½	4	5	10	18
Pipe Thread . . . . . Inch	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass . . . . . Each	**$3 00**	**3 25**	**3 50**	**3 75**	**4 25**	**5 25**	**7 25**	**9 25**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Slide Top Locomotive Glass Guide Oil Cups with Brass Shield.

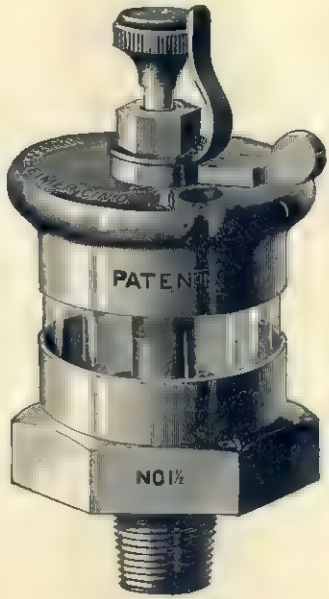


Fig. A-3060.

The attention of Locomotive Builders and Master Mechanics is called to the improved filling arrangement on these oil cups, by which they can be quickly and easily filled, without the annoyance usually experienced with oil cups having the screw-plug filler.

They are compactly constructed, and the slide is warranted not to leak. They are also provided with the pointed needle feed, and the flow of oil can be readily regulated from the outside. All glasses are extra strong, uniform in size and interchangeable.

Number		1½	2	3
Outside Diameter of Glass	Inches	1¾	2	2⅛
Height of Glass	Inches	1⅝	1⅞	2⅛
Capacity	Ounces	1½	2½	4
Each		$2 50	3 00	4 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Index Glass Oil Cups.

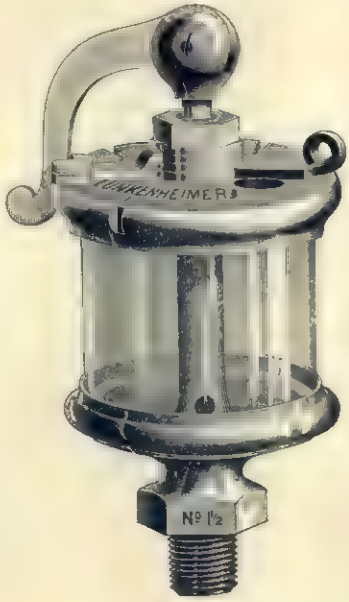


Fig. A–3052.

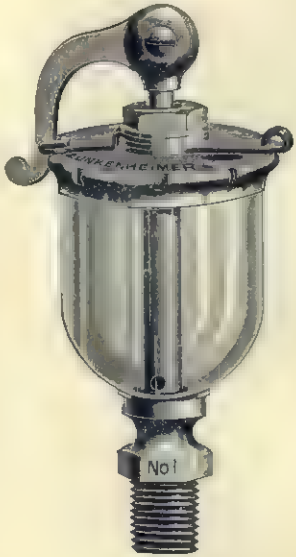


Fig. A–3053.

This glass oil cup is provided with a simple "index" device for regulating the feed of oil, and has an indicator arm pivoted on the stem and turning on the lid to mark the notch giving the desired feed. The feed can be instantly turned off, and on again by replacing the lever in the notch of the indicator arm. When the index arm is closed, the lever can be left to stand up out of the notch, thus acting as an indicator, to show from a distance that the feed is shut off. This cup is exactly like Fig. A–3054, on page 867, but without sight-feed.

Fig. A–3053 is the same as Fig. A–3052, with the exception of a different shaped glass.

Fig. A–3052. Finished Brass.

Number	0	.1	1½	2	3	4	5	6
Outside Diameter of Glass, Inches	1⅛	1½	1¾	2	2¼	2½	3	3½
Height of Glass, Inches	1⅛	1⅜	1⅝	1⅞	2⅛	2⅜	3	4
Capacity, Ounces	⅝	1	1½	2½	4	5	10	18
Pipe Thread, Inch	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass, Each	$1 00	1 20	1 45	1 75	2 15	2 70	3 40	4 30

Fig. A–3053. Finished Brass.

Number	0	1	1½	2	3	4	5	6
Outside Diameter of Glass, Inches	1¼	1½	1¾	2	2¼	2½	3	3½
Capacity, Ounces	⅝	1	1½	2½	4	5	10	18
Pipe Thread, Inch	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass, Each	$1 00	1 20	1 45	1 75	2 15	2 70	3 40	4 30

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Slide Top Glass Oil Cups.

Fig. A-3048.

Fig. A-3049.

These Cups are suitable for all engine and machinery bearings. They are constructed of cast brass (not spun brass), are highly finished and very ornamental. They are not affected by jarring machinery—they will not shake apart nor the feed become unset. This feature recommends them for traction engines, steam rollers, etc. They are easily filled and regulated

Fig. A-3049 is the same as Fig. A-3048, with the exception of having a different shaped glass.

Both styles are of fine finish and quality and are ornamental

Fig. A-3048. Finished Brass.

Number	000	00	0	1	1½	2	3	4	5	6
Outside Diameter of Glass . . Inches	1	1⅛	1¼	1½	1¾	2	2¼	2½	3	3½
Height of Glass . . . . Inches	⅞	1	1⅛	1⅜	1⅝	1⅞	2⅛	2⅜	3	4
Capacity . . . . . Ounces	¼	½	⅝	1	1½	2½	4	5	10	18
Pipe Thread . . . . . Inch	⅛	⅛	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass . . . . . Each	$0 70	0 75	0 80	1 00	1 25	1 50	1 90	2 40	3 10	4 00

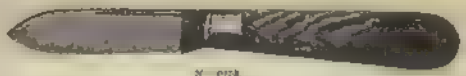
Fig. A-3049. Finished Brass.

Number	00	0	1	1½	2	3	4	5	6
Outside Diameter of Glass Inches	1⅛	1¼	1½	1¾	2	2¼	2½	3	3½
Capacity. . Ounces	½	⅝	1	1½	2½	4	5	10	18
Pipe Thread. . . . . Inch	⅛	⅛	¼	¼	⅜	⅜	⅜	½	½
Finished Brass . . . . . Each	$0 75	0 80	1 00	1 25	1 50	1 90	2 40	3 10	4 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Pocket Knives.

Bishop Cutlery Co.'s.



No. 0104.

No. 0105—One Blade, Cocoa Handle, Iron Lined, Polished Steel Bolster, 2¾ in., . . . Per Dozen $

No. 0114.

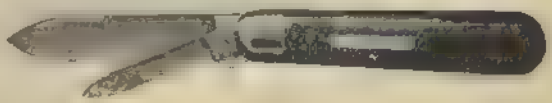
No. 0114—One Blade, Cocoa Handle, Iron Lined, Polished Steel Bolster, 3¼ in., . . . Per Dozen $

No. 0103.

No. 0103—One Blade, Tin Handle, Iron Lined, 3¼ in. . . . . Per Dozen, $

No. 0205.

No. 0205—Two Blades, Cocoa Handle, Iron Lined, Polished Steel Bolster, 2¾ in., . . Per Dozen $

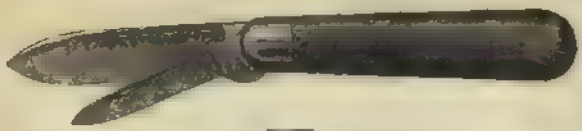


No. 0204.

No. 0204—Two Blades, Pearl Handle, Brass Lined, German Silver Bolster, 3¼ in. . . Per Dozen, $

Pocket Knives.

Bishop Cutlery Co.'s.



No. 0215—Two Blades, Cocoa Handle, Iron Lined, Polished Steel Bolster, 3¼ in., . . Per Dozen, $

No. 0467.

No. 0464—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, 3¼ in., . . Per Dozen, $
" 0467— " " Cocobola " " " " 3¼ in.,

No. 0265.

No. 0264—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3¼ in., . . Per Dozen, $
" 0265— " " Cocoa " " " " " 3¼ in.,

No. 0477.

No. 0474—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3¼ in., . . Per Dozen, $
" 0477— " " Cocobola " " " " " 3¼ in., . .

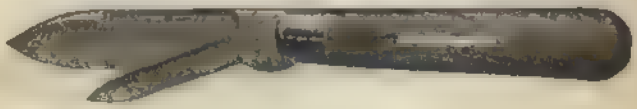
HALF DOZEN IN BOX.

Pocket Knives.

Bishop Cutlery Co.'s.

No. 0224.

No. 0234—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 3¼ in., Per Dozen, $
" **0235**—" " Cocoa " " " " " 2¾ in.,



No. 0244—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 3¼ in., Per Dozen, $
" **0245**—" " Cocoa " " " " " 2¾ in.,

No. 0447

No. 0444—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster and Cap, 3¼ in., Per Dozen, $
" **0447**—" " Cocobola " " " " " 2¾ in.,

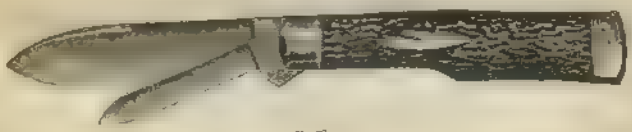
No. 0274.

No. 0274—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3¼ in., Per Dozen, $
" **0275**—" " Cocoa " " " " " " 2¾ in.,

Half Dozen in a Box.

Pocket Knives.

Bishop Cutlery Co.'s.

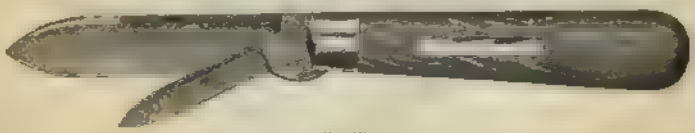


No. 02

No. 0311—Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap, 3¾ in., Per Dozen $
" 0314 " " Ebony " " " " 3¾ in.,

No. 0304

No. 0303 Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap, 3½ in., Per Dozen $
" 0304 " Ebony " " " " 3½ in.,



No. 0258

No. 0254—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 3½ in., Per Dozen $
" 0258 " " " " " " 3½ in.,

No. 0254

No. 0254 Two Blades, Ebony Handle, Brass Lined, Grey and Silver Bolster, 4 in., Per Dozen $
" 0295— " Cocus " " " " 4 in.,

Half Dozen in a Box.

Pocket Knives.

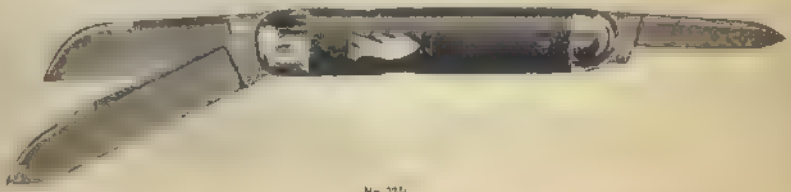
Bishop Cutlery Co.'s

No. 0285.

No. 0284—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, 4 in. Per Dozen $
" 0285— " " Cocus " " " " " 4 in.

No. 0665.

No. 0664 Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, 4¼ in. Per Dozen $
" 0665 " " " " " 4¼ in.



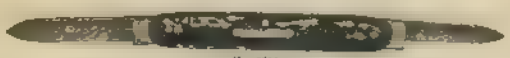
No. 334.

No. 0334 Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, 4 Per Dozen, $

Half Dozen in a Box.

Pocket Knives.

Bishop Cutlery Co.'s



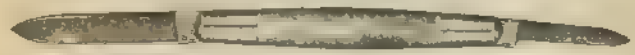
No. 0846

No. 0343—Two Blades, White Bone Handle, Brass Lined, 3½ in. Per Dozen
" 0346— " " " Shell " " " 4 " "

No. 0892

No. 0892 Two Blades, Pearl Handle, Brass Lined, German Silver Bolsters, 3½ in., Per Dozen

No. 0433—Two Blades, White Bone Handle, Iron Lined, 3 in., Per Dozen



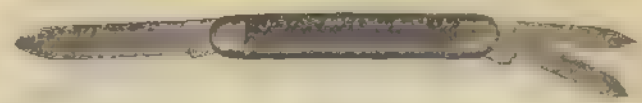
No. 0432—Two Blades, Pearl Handle, Brass Lined, German Silver Bolsters, 3 in., Per Dozen

No. 0512—Two Blades, Pearl Handle, Brass Lined, German Silver Bolster and Cap, 3½ in., Per Dozen

HALF DOZEN IN A BOX

Pocket Knives.

Bishop Cutlery Co.'s



No. 0504.

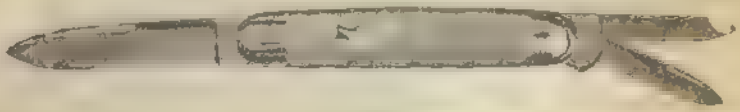
No. 0504—Three Blades, Ebony Handles, Brass Lined, German Silver Bolsters, 3 in., . Per Dozen $

No. 0672.

No. 0672—Three Blades, Pearl Handles, Brass Lined, German Silver Bolsters, 3¼ in., Per Dozen $

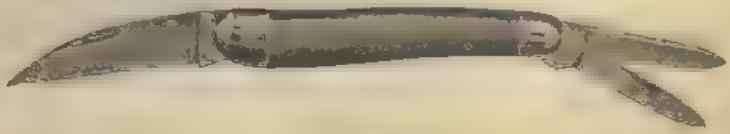
No. 0634.

No. 0633—Three Blades, White Bone Handles, Brass Lined, German Silver Bolsters, 3½ in., Per Dozen $
" 0634— " " Ebony " " " 3¾ in., " "



No. 0623.

No. 0623—Three Blades, White Bone Handles, Brass Lined, German Silver Bolsters, 3½ in., Per Dozen $
" 0625— " " Cocus " " " 3¾ in., " "



No. 0614.

No. 0614—Three Blades, Ebony Handles, Brass Lined, German Silver Bolsters, 3¾ in., . Per Dozen, $

Half Dozen in a Box.

Pocket Knives.

Bishop Cutlery Co.'s.

Full Size Cuts.

No. 0643

No. 0643—Three Blades, White Bone Handle, Brass Lined, German Silver Bolsters, 3½ in. Per Dozen $
" 0644—" " " Ebony " " " " " 3¾ in. "

No. 0653—Three Blades, White Bone Handle, Brass Lined German Silver Bolsters, 3¾ in. Per Dozen, $
" 0654—" " " Ebony " " " " 3¾ in. "

No. 0692—Three Blades Pearl Handle, Brass Lined German Silver Bolsters, 3¾ in. Per Dozen, $

No. 0723

No. 0723—Three Blades, Pearl Handle, Brass Lined, German Silver Bolsters, 4 Per Dozen $

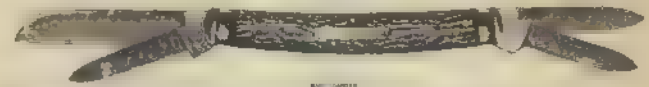
Half Dozen in a Box

Pocket Knives.

Bishop Cutlery Co.'s

No. 0702.

No. 0702—Three Blades, Pearl Handle, Brass Lined, German Silver Bolsters, 2½ in., . Per Dozen, $

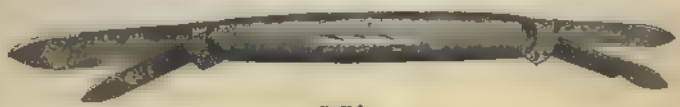


No. 0821.

No. 0821—Four Blades, Stag Handle, Brass Lined, Polished Steel Bolsters, 3 in., . Per Dozen $
" 0823— " " " White Bone Handle, Brass Lined, Polished Steel Bolsters, 3 in., "

No. 0806.

No. 0803—Four Blades, White Bone Handle, Brass Lined, German Silver Bolsters, 3½ in., Per Dozen $
" 0806— " " " Shell " " " " " 3½ in., "

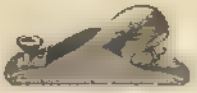


No. 0812.

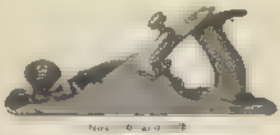
No. 0812—Four Blades, Pearl Handle, Brass Lined, German Silver Bolsters, 3½ in., . Per Dozen, $
" 0813— " " " White Bone Handle, Brass Lined, German Silver Bolsters, 3½ in., .

HALF DOZENS IN A BOX.

Chaplin's Iron Planes



No. 1215 Block Plane, Smooth Face, Japanned, 6¼ in. Long, 1⅝ in. Cutter, Each, $
" 1230— " " " Nickel Plated, 6¼ in. Long, 1⅝ in. Cutter
" 1205—Smooth " Corrugated Face, Nickel Plated Clamp Plate and Lever, Checkered Rubber Handle, 6¼ in. Long, 1⅝ in. Cutter,



No. 1207 Jack Plane, Corrugated Face, Nickel Plated Clamp Plate and Lever, Checkered Rubber Handle, 15 in. Long, 2⅜ in. Cutter, Each, $
" 1208 " Plane, Corrugated Face, Nickel Plated Clamp Plate and Lever, Checkered Rubber Handle, 9 in. Long, 2⅛ in. Cutter,

Birmingham Bailey Block Planes.

No. 5102 Block Plane, 6¼ in. Long, 1⅝ in. Cutter, Each, $
" 5103 " " 6¼ in. " Adjustable Throat, Cutter,

No. 5110—Block Plane, 7⅛ in. Long, 1⅝ in. Cutter, Each, $
" 5120 " " 7⅛ in. " Adjustable Throat, 1⅝ in. Cutter,

Birmingham Bailey Planes

Iron.

Nos. 503 to 508.

| | | |

Adjustable Iron Planes.

Bailey's Patent.

Nos. [illegible]

No. 2—	Smooth	7 in.	[illegible]	1¾ in.	Cutter	Each 7
" 3—	"	8 in.	"	2 in.	"	
" 4—	"	9 in.	"	2 in.	"	
" 5	Jack	14 in.	"	2 in.	"	
" 6—	"	15 in.	"	2⅜ in.	"	
" 7	"	22 in.	"	2⅜ in.	"	
" 8—	"	24 in.	"	2⅜ in.	"	

One in a box.

No. 11

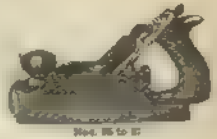
No. 11—Belt Makers' Plane, 2¾ in. Cutter, . . . Each, 8

One in a box.

Adjustable Wood Planes.

Bailey's Patent.

Nos. 21 to 24.



Nos. 25 to 37.

No. 21—	Smooth	7 in.	Long,	1¾ in.	Cutter, Each 8
" 22	"	8 in.	"	1¾ in.	"
" 23	"	9 in.	"	1¾ in.	"
" 24	"	[illegible]	"	2 in.	"
" 25	Handled Smooth,	9 in.	"	2 in.	"
" 26	"	10 in.	"	2¼ in.	"
" 37—	Jenny	[illegible]	"	2¼ in.	"

One in a box.

[illegible]

No. 26—	[illegible]	[illegible]	Only	2	[illegible]	Each
" 27	"	[illegible]	"	[illegible]	"	
" 28	"	[illegible]	"	[illegible]	"	
" 29	"	[illegible]	"	[illegible]	"	
" 30	"	[illegible]	"	[illegible]	"	
" 31	"	[illegible]	"	[illegible]	"	
" 32	"	20 in.	"	[illegible]	"	
" 33	"	[illegible]	"	[illegible]	"	
" 34—	"	20 in.	"	[illegible]	"	

One in a box.

Adjustable Steel Planes.

Stanley's Patent.

Nos. 104 and 105.

No. [illegible]

No. 104—Smooth, 9 in. Long, 2¼ Cutter . . . Each $
" 105—Jack, 14 " " 2⅜ "
" 113—Circular 11½ in. Cutter.

Nos. 104 and 105 [illegible] have a wrought steel stock [illegible] are adjusted by a Lever. They are [illegible] for their lightness and the ease with which they can be worked

No. [illegible] has a flexible steel [illegible] which can be readily [illegible] cutter [illegible] screws, by turning the knob on the front of the Plane

[illegible] in a Box

Adjustable Wood Planes

Stanley's Patent.

No. [illegible]

No. [illegible]

No. 122—Smooth, 8 in. Long, 2 Cutter . . . Each $
" 135—Rounded Smooth, 10 in. " 2⅜ " . . . "

Open or in Box

No. [illegible]

No. 127—Jack [illegible] Each $
" 129—[illegible]
" 132—Jointer 26 in. [illegible]

These Planes are adjusted by a Lever and are especially adapted for working on soft woods

Open or in Package

Bull Nose Rabbet Planes.

No. 75—Bull Nose Rabbet, Iron Stock, 4 in. Long, 1 in. Cutter, ... Each

One in a Box.

Iron Block Planes.

Stanley's Patent.

No. 101—Block ½ in. Long, 1 in. Cutter . . . . Each

" 102— " ⅝ in. " 1⅛ in. " . . . . "

" 103— " ¾ in. " Adjustable, ⅝ in. Cutter, ... "

Extra Cutter for Nos. 101, 102 and 103, Cast Steel, ... Per Dozen,

" " " 101 and 102, " . . . . "

" Caps " " 102 and 103 . . . . "

No. 101 has Slot and Screw Seat. No. 102 and No. 103 One in a Box.

No. 110—Block ⅝ in. Long, 1 in. . . . . Each,

" 120— " ⅞ in. " Adjustable, 1¼ in. Cutter, ... "

" 130— " ⅝ in. " Lever Raiser, ... "

Extra Cutters for Nos. 110, 120 and 130, Cast Steel, ... Per Dozen,

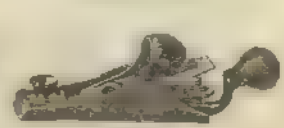
" Caps " " 110 and 120, ... "

No. 130 has Slots and Screw Seats. The Lever Raiser Block [illegible] the position of the Cutter and the Clamping Wedge [illegible] the cap, giving [illegible] and closer [illegible] than other cast pieces.

One in a Box.

Adjustable Iron Block Planes.

Bailey's Patent.



No. 98—Adjustable Block, 6 in. Long, 1⅝ in. Cutter . . . . Each $

" 98½— " " 6 in. " Reverse of Handle, 1⅝ in. Cutter . . . . "

" 18B— Knuckle Joint Block, 6 in. Long, 1⅝ in. Cutter, [illegible] Same Shape as No. 98 . . . . "

" 19B— " " " " " " " . . . . "

Extra Cutters for Nos. 98, 98½, 18B and 19B, Cast Steel, ... Per Dozen,

" Caps " " 98 and 98½ . . . . "

Nos. 18B and 19B have a Knuckle Joint in the Cap making it lever up and planing the Cutter in position will also clear the Cutter entirely from seat.

One in a Box.

Adjustable Iron Planes.

Stanley's Patent.

Improved Rabbet.

No. 190

No. 190—Iron Stock, 8 in. Long, 1¾ in. wide, ...
" 191—" " 8 in. " 1¾ in.
" 192—" " 8 in. " 1¾ in.
" 190—Iron Stock, 8 in Long, 1¾ in. wide, with Spur
" 191 Iron Stock, 9 in Long, 1¾ in wide with Spur
" 192—Iron Stock, 8 in. Long, 1¾ in. wide, with Spur,

This Plane will lie perfectly flat on either side and can be used with right or left hand, equally well, while planing into corners or up against perpendicular surfaces.

One in a Box

Tonguing and Grooving

No. 48 or 49

No. 48 Iron Stock and Fence, for ⅜ to 1¼ in. Rabbets, Each $
" 49 Iron Stock and Fence, for ⅜ to ¾ inch Rabbets, "

This Plane has two separate Cutters, a suitable distance apart, to make Grooves for Splines set as shown above. Both Cutters work and a tongue can be made.

The Fence is hung on a pivot and can be swung at right angles for cutting Rabbets. This movement covers nicely the Cutters and also makes a guide for preparing a Rabbet for a Tongue.

One in a Box

Duplex Rabbet and Filletster

No 18.

No. 78 Iron Stock and Fence, ... in. Cutter, ...

This Plane changes ... and will lie perfectly flat on either side, and can be used with either right or left hand, equally well, while planing up against perpendicular surfaces.

This Iron to which the Fence is screwed into either side of the Stock, thus making superior right or left hand fillesters. ... Depth Gauge.

One in a Box

Adjustable Beading

No 60

No 60 Iron Stock and ... Each $

This Tool ... irs Beading or for Center Reading, can not be surpassed. By adjustment of the Fence, Center beading can be done up to ⅞ in. from the edge of the board. Except for working across the grain, the ... need not be used.

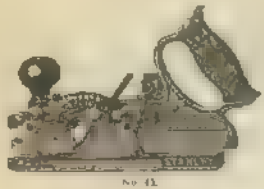
Each Plane is accompanied by seven Bits, one each ⅛, ¼, ⅜, ½, ⅝, ¾ and ⅞ in.

One in a Box

Adjustable Iron Planes.

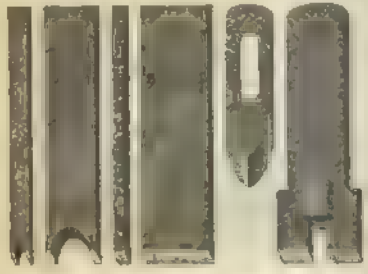
Combined Beading, Rabbet and Sl tting.

Traut's Patent.



No. 41.

Samples of Tools embraced in the Set of Rig ed Tools sold with Plane No. 41



No. 41. Iro Stock and
Pla Cutters

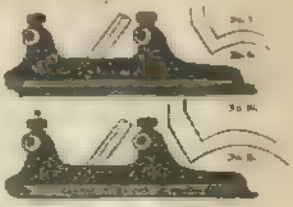
This Plane embraces
forms (Beading and Center
and Fillester S, Dado
and (6) a superior Slit g plane.

In each of its several forms this Plane
work
simple
stroke
Tool

Box

Hollows and Rounds.

To be Used Only With Plane No 45.



No. 45.

Nos. 6 8 10 12
to Circle.

Cutters and
they are
ded in the regular assortment of parts sent out
with the Plane in its original form.

The Size or Arc which each Number will work
of common followy and Rounds. The No. inserted
in the list of prices is not the measurement across the
face of the Hollow or Round, but the full diameter of a
circle of which it works only an Arc.

Box

Explanatory

The
one, as carpenters who have not the con
bench,
the Handle a Steel Depth Gauge is placed over it on the
fastened down by a Brass
The
under
the
of the Plane
enough to ensure perfect accuracy in working

Adjustable Iron Planes.

Combined Dado, Filletster, Plow, Etc.

Traut's Patent

No. 46.

No. 46—Iron Stock and Fence, Complete with Bits, . . . Each $

This Tool consists of two sections, a Main Stock with Two Bars, or Arms, and a Sliding Section. [illegible] its Bottom, or [illegible] Main [illegible] [illegible] [illegible]

Chamfer Planes.

Stanley's Patent.

No. 72 [illegible] Long, ¾ in Cutter, - Ea.
" 72½ [illegible] 1¼ to [illegible] with Bead-
ing and Moulding Attachment and
[illegible]

The front section of this Plane is [illegible]
down. It can be firmly secured [illegible]
any desired point by means of a T [illegible]
the use of any other tool this Plane will do perfect [illegible] hair
fer or stop chamfer work of all ordinary width[illegible]

[illegible] on a Box

Universal Hand Beaders.

Stanley's Patent.

No. 66— Iron Stock, with 7 Steel [illegible]utters, ba[illegible] ¾

[illegible] [illegible] shown with Beads

For Beading, Reeding or Fluting straight or irregular surfaces and all kinds of light Routering. With a square gauge for straight and an oval gauge for curved work.

Both ends of the Cutters are sharpened thus enabling an ordinary sense of Beads, four sets of Reeds, two Flutes and a double Router from ⅛ and ¼ in

One in a box.

Router Planes.

Stanley's Patent.

No. 7

No. 71 Iron Stock, with Steel Bits, ¼ and
[illegible] each, $

This [illegible] to [illegible] of [illegible] ery skille[illegible]
[illegible] Wood [illegible] Boards [illegible] Mould
Wheelwright. It is perfectly adapted to smooth the bot
tom, panels or any depressions below the gen
eral surface of any woodwork.

The Bits can also be clamped to the backside of the
straight part and outside of the stock. In this position
they will plane Blind corners, or will smooth surfaces not
easily reached with any other tool.

One in a Box

Floor Planes.

Stanley's Patent.

No. 4

No. 74— 10½ in. Long, 2¾ in. Cutter, Each $

This tool will be found useful for planing Floors, Bowling Alleys, Skating Rinks, Decks of Vessels etc. The construction of the Plane will enable the owner to do more work with less outlay of strength, than can be done with any other tool.

The weight of the Plane is about 10 lbs. and the full length of the handle is 48 inches.

[illegible] in a Box

Sandusky Tool Co.'s Bench Planes.

Smooth

Smooth

No. 3—Smooth, 9 in. Long, Cast Steel Double Irons, Polished Lignum Vitæ Start, . . . Each $
" 5—" 10½ in. " " " " Solid Handle . . . . .

Jack.

Razee Jack.

No. 13—Jack, 14 in. Long, Cast Steel Double Irons, Lignum Vitæ Start, . . . Each $
" 18—Razee Jack, 14 in. Long, Cast Steel Double Irons, Lignum Vitæ Start, . . .

Fore

Jointer

No. 10—Fore, 18 in. Long, Cast Steel Double Irons, Lignum Vitæ Start, . . . Each, $
" 22—Jointer, 22 in. " " " " " " " " " "
" 26—" 26 in. " " " " " " " " " "

Ohio King Bench Planes.

No. 03—Smooth, 8 in. Long, Cast Steel Double Irons, Lignum Vitæ Start, . . . Each $
" 05—" 10½ in. " " " " " " " Solid Handle, . . .
" 018—Jack, 14 in. " " " " " " " " " "
" 013 Razee Jack, 14 in. " " " " " " " " " "
" 019—Fore, 18 in. " " " " " " " " " "
" 025 Jointer, 22 in. " " " " " " " " " "
" 025—" 22 in. " " " " " " " " " "

Sandusky Tool Co.'s Fancy Planes.

Tooth, Mitre and Box Makers.

No. 86.

No. 86—Tooth, 7 in. Long, 2⅜ in. Cast Steel Iron, . . . Each $1 00
" 88½ Mitre, 9 in. Long, Smooth " 75
" 04½ Makers, 11 in. Long, Smooth Shape, Cast Steel Single Iron, " 1 00

Dado.

No. 60.

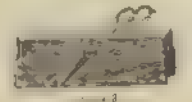
No. 60—No. Rosewood Stop, ½, ⅝, ¾ in. Each $1 50
" 64 [illegible] " 1 50

Fillester.

No. 66.

No. 66—Fillesters, with Cutter, . . . Each $1 25
" 67— " " " and Brass Side Stop, . . " 1 40
" 68—Fillesters, with Cutter, Brass Side Stop, . . " 1 85
" 68½ [illegible] with Cutter, in Box & Stop, . . " 2 50

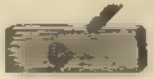
Nosing.



No. 113.

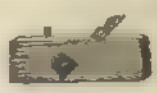
No. 113—[illegible] Two Irons, ⅞ and 1¼ in., . . Each, $1 0
" 113½ Nosing, Two Irons, 1¾ and 1¾ in., . . " 1 20

Rabbet.



No. 146.

No. 146—Rabbet, Skew, ⅛ ¼ ⅜ ½ in., Each $
" 146 " " ⅝ in., "
" 146 " " ¾ in., "
" 146— " " 1¼ in., "
" 146— " " 2 in., "



No. 147.

No. 147—Rabbet, Skew, with Cutter Rabbet, ⅛ ¼ ⅜ ½ in., Each
" 147 " " ⅝ "
" 147 " " ¾ "
" 147 " " 1 "
" 147 " " 2 in., "
" 1484 Jack Rabbet with Side Handle and Two Cutters, ⅛, ¼, ⅜, ½ in., "

Match.

No. 79.

No. 99—Board Match, Two ⅛ ¼ ⅜ ½ in., Per Pair $
" 99 " " Separate ⅛ ¼ ⅜ ½ in., "

No. 8.

No. 101—Board Match, with Solid Handles ⅛ in., . . Per Pair, $

Sandusky Tool Co.'s Fancy Planes.

Side Bead

Center Bead.

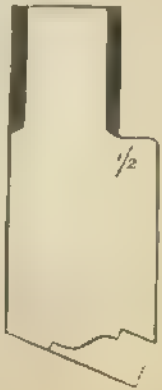
Reeding.

No. 47—Side Bead, Single Boxed.
" 51—Center Bead, Double Boxed.
" 152—Reeding to make Two Beads
" 152— " " Three " "

Irons. 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1
Each 1

Scotia or Quarter Round

Ogee.



No. 54 Scotia or Quarter Round
" 74 Ogee

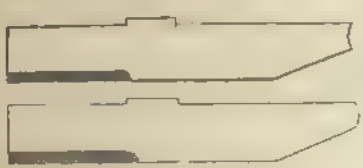
Irons. 3/16 1/4 5/16 3/8 1/2 5/8 3/4 1 1 1/4 1 1/2
Each 1

Sandusky Tool Co.'s Fancy Planes.

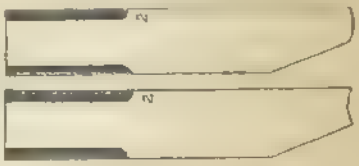
Hollows and Rounds

Per Pair. One Set.

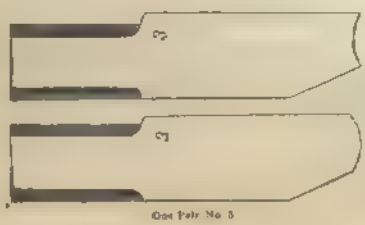
	Nos.	1	2	3	4	5	6	7	8	9	10	11	12
	Inches	¾		⅝	½	⅜	¼	1	1 ⅛	1¼	1⅜	1½	1⅝
No. 92	Hollows and Rounds, Per Pair	0											
" 94	" " "												
" 93	In Sets of Nine Pairs, One Pair Each Nos. 1 to 9 inclusive,											Per Set, 5	



One Pair No. 1



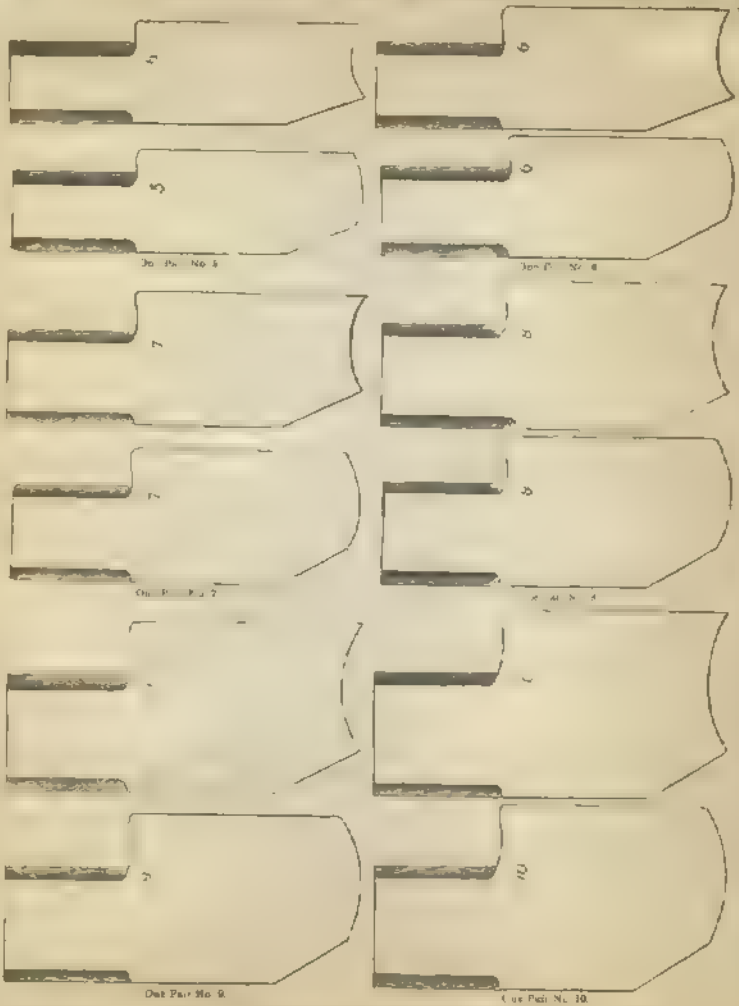
One Pair No. 2



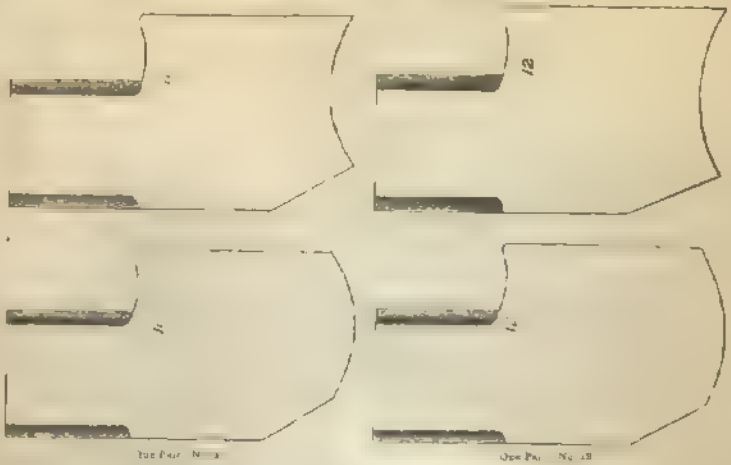
One Pair No. 3

One Pair No. 4

Sandusky Tool Co's Fancy Planes.



Sandusky Tool Co.'s Fancy Planes.



Panel Plows.

Improved Handle.

No. 119—	Beech Screw Stop, with Handle,	Each, $
" 120—	" " " Boxwood Arms with Handle	"
" 123—	" Boxwood Arms with Handle	"
" 124—	" " " with Rosewood Arms with Handle	"
" 125	Adjustable Screw Stop,	"
" 126	" Boxwood Arms	"
" 129	" " " Boxwood Arms with Handle	"
" 132	Boxwood Rosewood Arms with Handle	"
" 133	" " "	"
" 136	Boxwood with Handle	"
" 137	"	"
Plow Bits, Eight Sizes,		Per Set

Plane Irons.

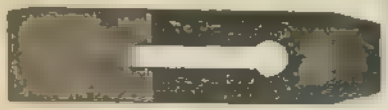
Bailey's

	Inches,	1¼	1⅜	1½	2	2¼	2⅜	2½
No. 25—	Cut Irons, Per Dozen,	$						
" 27	Double Irons "							
" 28	Single Irons for Nos 9½ 9¾, 4B and 11B Bailey's Block Planes,						Per Iron	$
" 29	" " " " No. 101 Stanley's Block Planes,						"	
" 30	" " " " Nos. 102 and 102, Stanley's Block Planes,						"	
" 31	" " " " Nos. 110, 120 and 36 Stanley's Block Planes,						"	

Orders for Bailey's Plane Irons should designate the number of the Plane for which the Iron is wanted.

Half Dozen in a Box.

Buck's



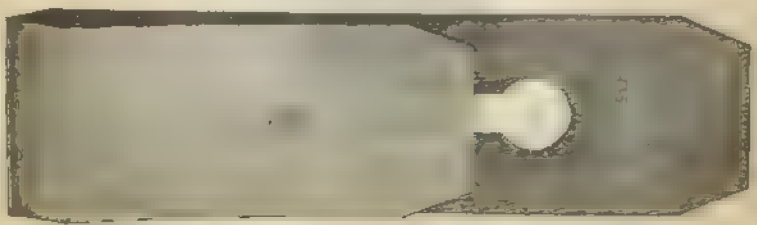
No. 59.

No. 60.

	Inches,	1⅛	1⅜	1½	1¾	2	2⅛	2⅜	2⅝	2⅝	2¾	2⅞
No. 59—	Cut Irons Per Dozen,	$										
" 60—	Double Irons "											

No. 59, One Dozen, No. 60 Half Dozen in a Box.

Sandusky Tool Co's.



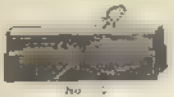
No. 37.

	Inches,	1⅛	1⅜	1½	1¾	2	2⅛	2¾	2⅝	2⅝	2¾	2⅞
No. 36	Cut Irons Per Dozen	$										
" 37	Double Irons "											

No. 36 Per Dozen, No. 37 Half Dozen in a Box

Sandusky Tool Co.'s Fancy Planes.

Nosing

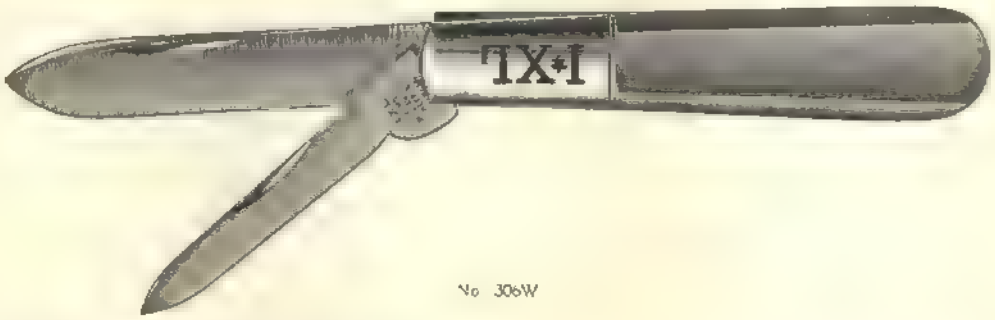


No. [illegible]

No. 112—Nosing Planes, One Iron, [illegible] and 1¼ in. . . . Per [illegible]
" 112— " " " " " 1¼ and 1½ in. . . .

POCKET KNIVES.

GEORGE WOSTENHOLM & SON'S CELEBRATED I★XL.



No. 306W

No. 305W–1 blade, bone handle, iron lined, 3¼ in., - - - - - - - - - per dozen $3 60
No. 306W–2 blades, bone handle, iron lined, 3¼ in., - - - - - - - - - 5 65

No. 8019.

No. 8018 1 blade, iron handle, iron lined, 3⅜ in., - - - - - - - - - per dozen $4.50
No. 8019–2 blades, iron handle, iron lined, 3⅜ in., - - - - - - - - - " 8.15
No. 7967–2 blades, iron handle, iron lined, large blade sheep foot, 3⅜ in., - - - " 8 15
No. 11169–2 blades, iron handle, iron lined, large blade speying, 3⅜ in., - - - " 8 15

No. 2000

No. 2000–2 blades, cocoa handle, iron lined, glazed, 3⅜ in., - - - - - per dozen $ 9 20
No. 2001–2 blades, ebony handle, iron lined, glazed, 3⅜ in., - - - - - " 8 75
No. 2036–2 blades, stag handle, iron lined, glazed, 3⅜ in., - - - - " 9 00
No. 2164–2 blades, cocoa handle, brass lined, glazed, 3⅜ in., - - - - - - " 9 80
No. 2165 2 blades, ebony handle, brass lined, glazed, 3⅜ in., - - - - - - " 9 80
No. 2167 2 blades, stag handle, brass lined, glazed, 3⅜ in., - - - - - - " 10 80

No. 2172

No. 2168–2 blades, cocoa handle, iron lined, glazed, 3⅝ in., - - - - per dozen $ 9.70
No. 2169–2 blades, ebony handle, iron lined, glazed, 3⅝ in., - - - - - " 9.70
No. 2171–2 blades, stag handle, iron lined, glazed, 3⅝ in., - - - - - " 10.50
No. 2172 2 blades, cocoa handle, brass lined, glazed, 3⅝ in., - - - - - 10.40
No. 2173–2 blades, ebony handle, brass lined, glazed, 3⅝ in., - - - - - " 10.40
No. 2175–2 blades, stag handle, brass lined, glazed, 3⅝ in., - - - - - - 11.50

HALF DOZEN IN A BOX

POCKET KNIVES.

GEORGE WOSTENHOLM & SON'S CELEBRATED I*XL.

No. 2153

No. 2153 2 blades, stag handle, brass lined glazed, 3⅛ in., ... per dozen $ 9 70
No. 2154–2 blades, stag handle, brass lined, glazed, 3⅜ in., ... " 11.00
No. 2156–2 blades, stag handle, brass lined, glazed, 4 in., ... " 12.50

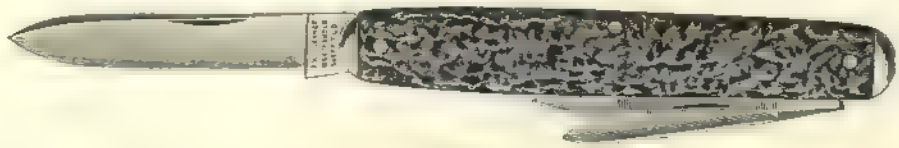
No. 2136–2 blades, stag handle, brass lined, glazed, 3 in., ... per dozen $11.15

No. 4364

No. 14360–3 blades, stag handle, brass lined, crocus polished, 2⅞ in., ... per dozen $22.00
No. 14364–3 blades, pearl handle, brass lined, crocus polished, 2⅞ in . . . . " 25.50

No. 14387

No. 2197 3 blades, pearl handle, brass lined, crocus polished, 3 in., ... per dozen $23.80
No. 14387 3 blades, pear. handle, brass lined, crocus polished, 3⅛ in., ... " 26.50



No. 2144

No. 2141 2 blades, stag handle, brass lined, crocus polished, 3 in., ... per dozen $11 70
No. 2195 2 blades, pearl handle, brass lined, crocus polished, 3 in . . . . . " 19 25
No. 2143 3 blades, stag handle, brass lined crocus polished 3 in., ... " 18 10
No. 2145 4 blades, stag handle, brass lined, crocus polished, 3 in., ... " 19 25
No. 2144–3 blades, stag handle, brass lined, crocus polished, 3⅛ in., ... " 18.80

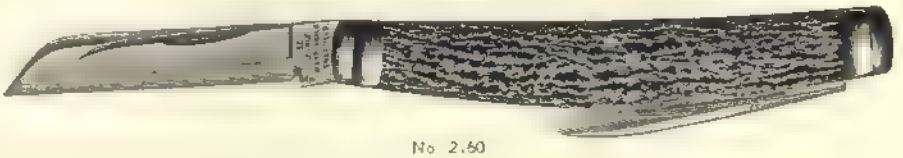
No. 17021 3 blades, stag handle, brass lined, 3½ in., ... per dozen $17.90

HALF DOZEN IN A BOX

POCKET KNIVES.

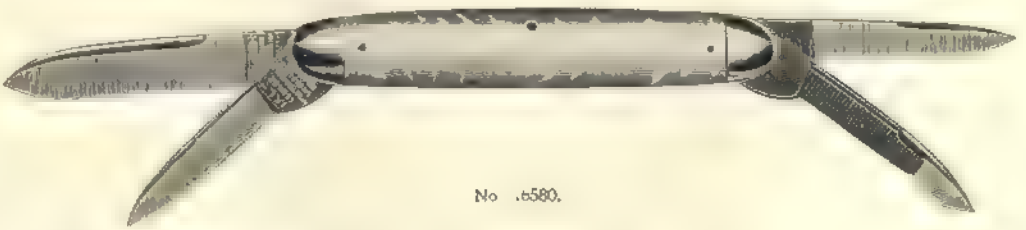
GEORGE WOSTENHOLM & SON'S CELEBRATED I★XL.

No. 2122 3 blades, pearl handle, brass lined, crocus polished, 3 in. . . . . per dozen $23 50



No. 2160.

No. 2160 4 blades, stag handle, brass lined, glazed, 3⅛ in. . . . . per dozen $18 00
No. 2161 4 blades, stag handle, brass lined, glazed, 3¾ in. . . . . " 19 00
No. 2162–4 blades, stag handle, brass lined, glazed, 4 in., ... " 20.00

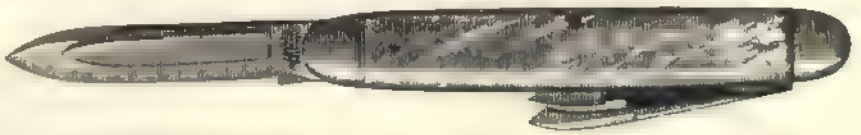


No. 16580.

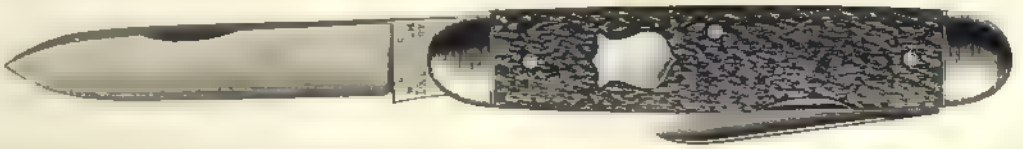
No. 16711 3 blades, pearl handle, brass lined, crocus polished, 3 in., ... per dozen $21 50
No. 16580 4 blades, pearl handle, brass lined, crocus polished, 3 in., ... " 22.75

No. 14392.

No. 14392 4 blades, stag handle, brass lined, crocus polished, 3⅛ in. . . . . per dozen $24 90
No. 2199 4 blades, pearl handle, brass lined, crocus polished, 3 in., ... " 25 50
No. 2210 4 blades, stag handle, brass lined, crocus polished, 3½ in. 26 00
No. 2216 4 blades, pearl handle brass lined, crocus polished, 3½ in. . . . . " 27 50



No. 16573 4 blades, pearl handle, brass lined, crocus polished, 3⅛ in. . . . . per dozen $25 00



No. 2055 3 blades, stag handle, brass lined, glazed 3⅝ in . . . . . per dozen $18 10

HALF DOZEN IN A BOX

POCKET KNIVES.

GEORGE WOSTENHOLM & SON'S CELEBRATED I*XL.

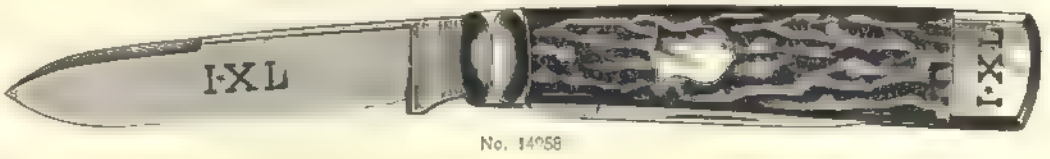
No. 12056 2 blades, buffalo handle, brass lined, crocus polished, 3⅛ in., . . per dozen $11.60

No. 2004

No. 2004–2 blades, ebony handle, iron lined, glazed, 3⅝ in., ... per dozen $ 9.70
No. 2038–2 blades, stag handle, iron lined, glazed, 3⅝ in., ... " 11.20

No. 9890

No. 9890–2 blades, cocoa handle, brass lined, crocus polished, 3¾ in., . . per dozen $11.75
No. 8926–2 blades, buffalo handle, brass lined, crocus polished, 3¾ in . . . " 12.00
No. 9881–2 blades, white bone handle, brass lined, crocus polished, 3¾ in., ... " 12.00



No. 14958

No. 17009 2 blades, stag handle, iron lined, 3⅝ in., ... per dozen $12.00
No. 14958 2 blades, stag handle, iron lined, crocus polished, 3⅝ in., ... " 17.12

No. 16143

No. 16145–2 blades, cocoa handle, brass lined, glazed, 3⅞ in., . . . per dozen $11.60
No. 16148–2 blades, ebony handle, brass lined, glazed, 3⅞ in., . " 11.75
No. 16144–2 blades, buffalo handle, brass lined, glazed, 3⅞ in., ... 16.25
No. 16485–2 blades, stag handle, brass lined, crocus polished, 3⅞ in., " 17.35

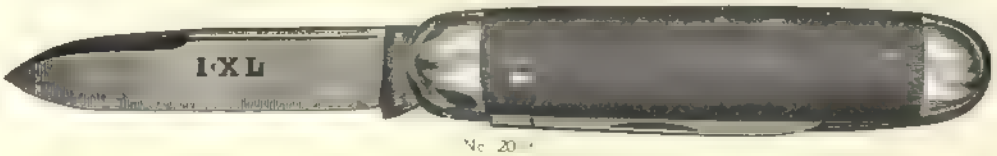
HALF DOZEN IN A BOX

POCKET KNIVES.

GEORGE WOSTENHOLM & SON'S CELEBRATED I★XL.

No. 13575–2 blades buffalo handle, brass lined, crocus polished 3 in — per dozen $11 60

No. 17095–2 blades, stag handle, brass lined, crocus polished, 3½ in., - - per dozen $18 00



No. 20[illegible]

No. 2013–2 blades, ebony handle, brass lined glazed, 3⅝ in., - - per dozen $11 90
No. 2040–2 blades, stag handle, iron lined, glazed, 3⅝ in., - - - - - - " 11.50

No. 20[illegible]

No. 2033 2 blades, ebony handle, brass lined, glazed, 3⅝ in., - - per dozen $12 00
No. 2043–2 blades, stag handle, brass lined, glazed, 3⅝ in., - - - - - - " 12.75

No. 17011

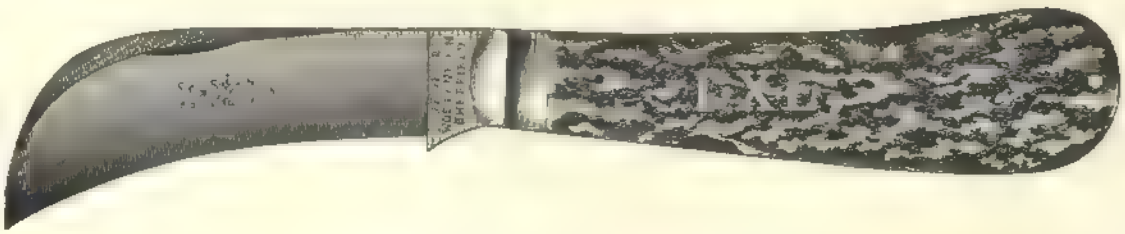
No. 14126–2 blades, cocoa handle, brass lined, glazed, 3⅝ in., - - - - - per dozen $15.45
No. 12044–2 blades, buffalo handle, brass lined, glazed, 3⅝ in., - - - - - " 15.70
No. 17011–2 blades, stag handle, brass lined, glazed, 3⅝ in., - - - - - " 15.45

HALF DOZEN IN A BOX.

POCKET KNIVES.

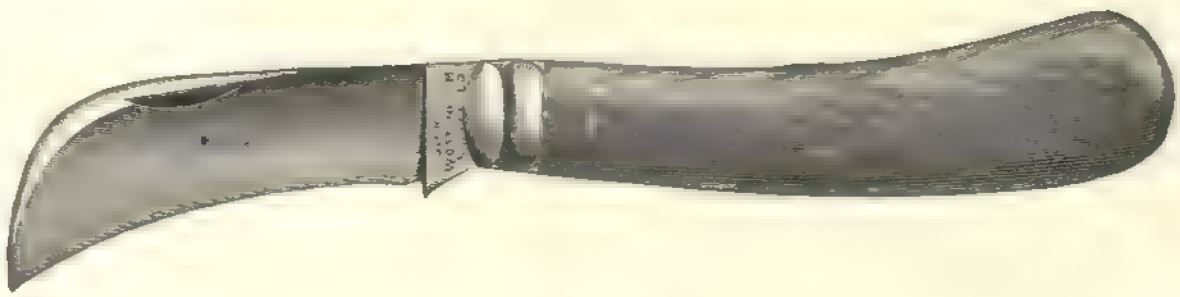
GEORGE WOSTENHOLM & SON'S CELEBRATED I*XL.

No. 7691–1 blade, buffalo handle, brass lined, ivory budder, 4⅞ in., per dozen $10.80



No. 14151–1 blade, iron handle, glazed, 3¾ in., - - - - - - - - - - per dozen $7.00

No. 11270–1 blade, cocoa handle, iron lined, 3⅝ in., - - - - - - - - - per dozen $7.85



No. 11950–1 blade, cocoa handle, iron lined, glazed, 4⅛ in., - - - - - - - per dozen $9 60

HALF DOZEN IN A BOX.

POCKET KNIVES.

GEORGE WOSTENHOLM & SON'S CELEBRATED I★XL.

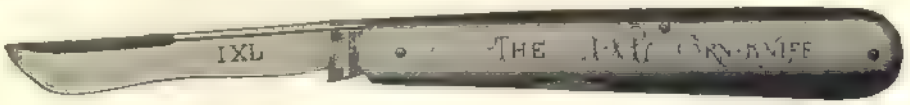
No 2054.

No. 2053	3 blades, stag handle, iron lined, 3¾ in.,	per dozen	$20.95
No. 2054	3 blades, stag handle, brass lined, 3¾ in.,	"	21.65
No. 16551	3 blades, stag handle, brass lined, 3⅜ in.,	"	21.25
No. 16226	3 blades stag handle, brass lined, 3⅝ in.,	"	22 40
No. 16227	3 blades, buffalo handle brass lined crocus polished etched, 3¾ in.,	"	21 80
No. 16228	3 blades, stag handle brass lined crocus polished, etched, 3¾ in.,	"	24 40
No. 16229	3 blades, pearl handle, brass lined, crocus polished, etched, 3¾ in.,	"	33 00

No. 2225 4 blades, stag handle, brass lined, glazed, 4 in., per dozen $23.50

No. 7940.

No. 16692	1 blade, budding or office knife, ivory handle, 3½ in.,	per dozen	$10.50
No. 7940	1 blade budding or office knife, ivory handle, 3⅝ in.,	"	11.70



No. 12825—1 blade, ivory handle, brass lined, crocus polished, 3⅝ in., per dozen $10.90

No. 16584—2 blades, ivory handle, brass lined, 3¼ in., per dozen $16.50

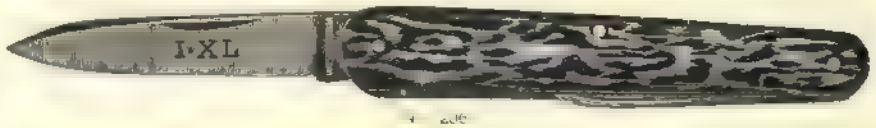
HALF DOZEN IN A BOX.

POCKET KNIVES.

GEORGE WOSTENHOLM & SON'S CELEBRATED I*XL.

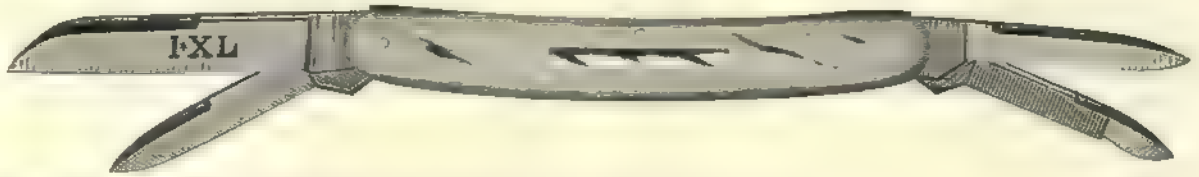
No. 17023.

No. 17023–3 blades, stag handle, brass lined, glazed, 3⅜ in., . . per dozen $19.20
No. 18401–3 blades, pearl handle, brass lined, crocus polished, 3 in., . " 25.75



No. 2017–2 blades, buffalo handle, brass lined, crocus polished, 3¼ in., per dozen $10.45
No. 2018 2 blades, ivory handle, brass lined, crocus polished, 3¼ in., " 10 45
No. 2060 2 blades, stag handle, brass lined, crocus polished, 3¼ in., . . . " 10 45
No. 2044 -2 blades, pearl handle, brass lined, crocus polished, 3¼ in., . . " 18 65
No. 2020 -3 blades, buffalo handle brass lined, crocus polished, 3¼ in., ... " 13 60
No. 2015 3 blades, ivory handle, brass lined crocus polished, 3¼ in., ... " 13 60
No. 2061 3 blades, stag handle, brass lined, crocus polished, 3¼ in., . " 13 60
No. 2045 3 blades, pearl handle, brass lined, crocus polished, 3¼ in . " 21 85

No. 2064–2 blades, stag handle, brass lined, crocus polished, 3⅜ in., . . per dozen $11 60
No. 2067–2 blades, ivory handle, brass lined, crocus polished, 3⅜ in., . . . " 11 60
No. 2065 3 blades, stag handle, brass lined, crocus polished, 3⅜ in., ... " 17 45
No. 2069 3 blades, ivory handle, brass lined, crocus polished, 3⅜ in., . . " 17 45
No. 2070 3 blades, pearl handle, brass lined, crocus polished, 3⅜ in., " 24 50



No. 14284–4 blades, fine pearl handle, brass lined, crocus polished, 3⅝ in., . . . per dozen $42.00

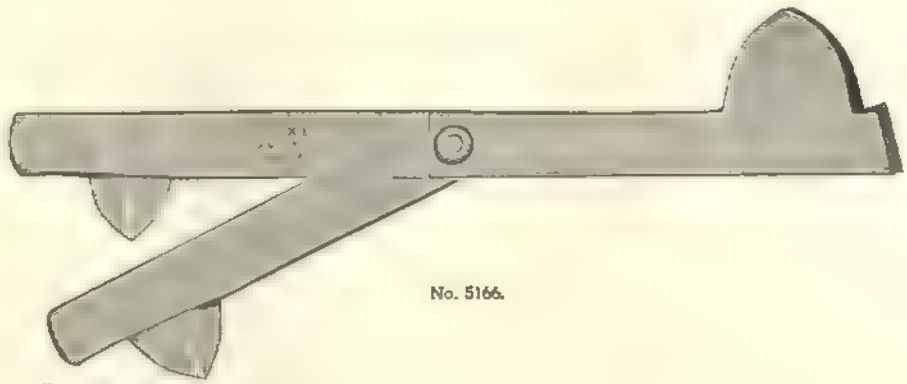
No. 15713.

No. 15712–3 blades, with corkscrew, ivory handle, brass lined, crocus polished, 3⅝ in., . per dozen $36 00
No. 15713–3 blades, with corkscrew, pearl handle, brass lined, crocus polished, 3⅝ in., . " 40 00

HALF DOZEN IN A BOX.

POCKET KNIVES.

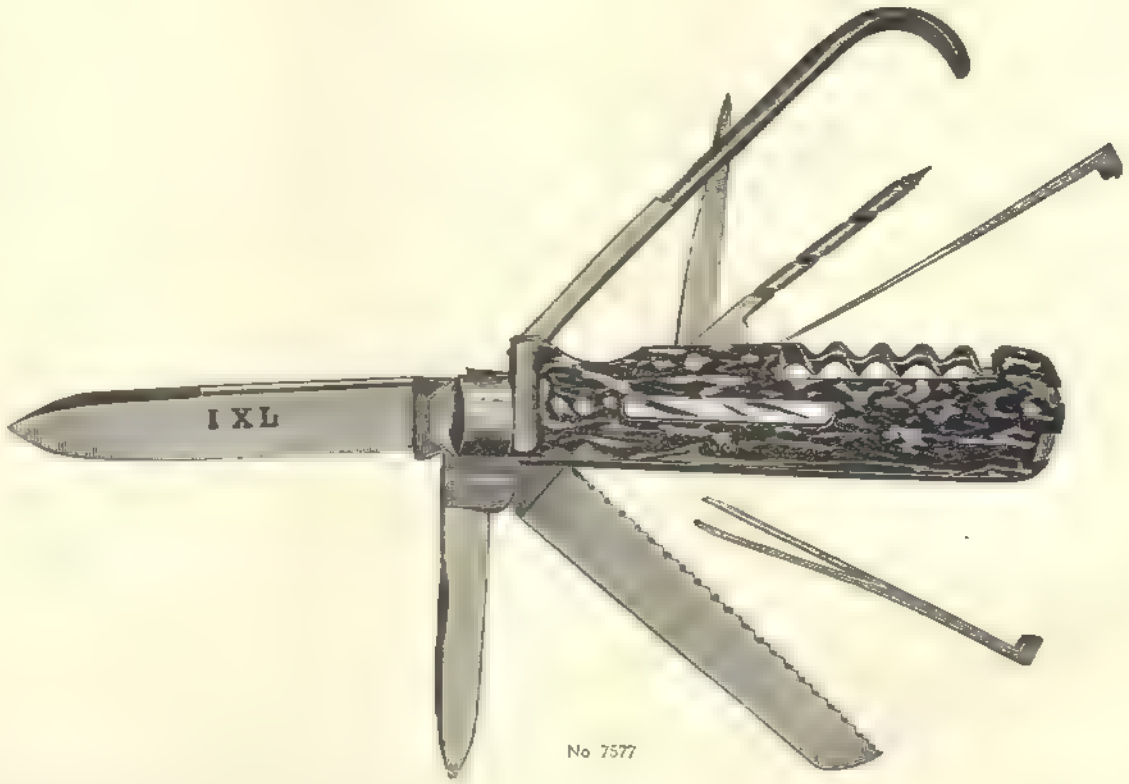
GEORGE WOSTENHOLM & SON'S CELEBRATED IXL.



No. 5166.

No. 5166–2 blades, fleam, brass handle, 3 in., - - - - - - - - - per dozen $4.80
No. 5167–3 blades, fleam, brass handle, 3 in., - - - - - - - - - " 6 60

ONE DOZEN IN A BOX.

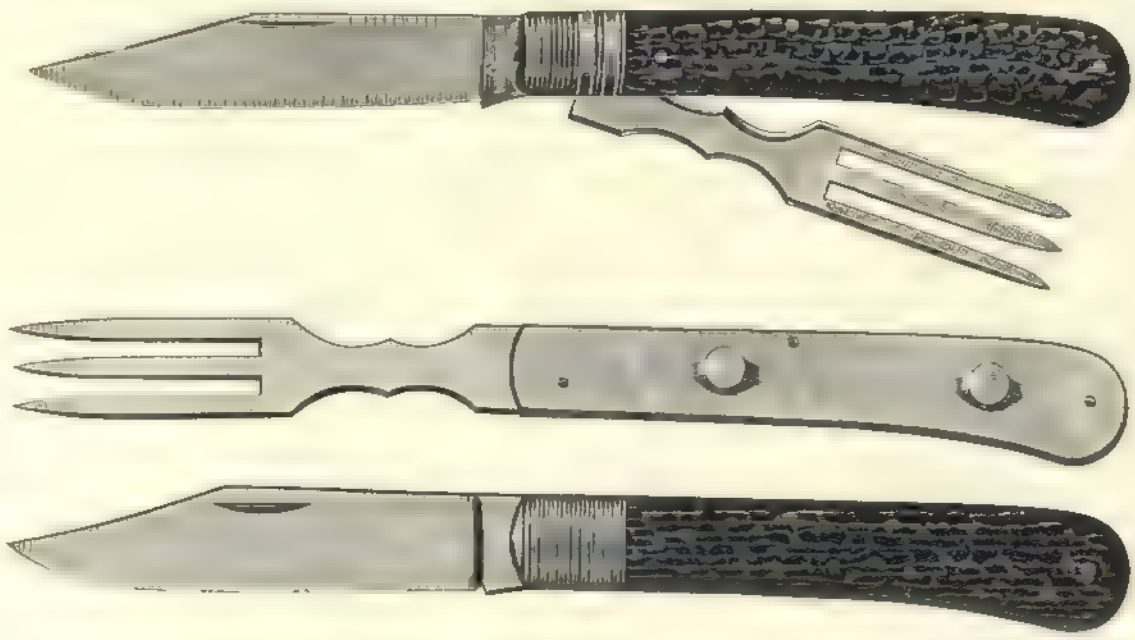


No 7577

No. 1335–2 blades, sportsmen's, stag handle, iron lined, 5 tools, 3⅝ in. - - - - per dozen $14.40
No. 13950–3 blades, sportsmen's, stag handle, iron lined 6 tools, 3⅝ in., "IXL." - - " 29.25
No. 2998–4 blades, sportsmen's, stag handle, iron lined, 9 tools, 3⅝ in., - - - - " 28.80
No. 7577–4 blades, sportsmen's, stag handle, iron lined, 9 tools, 3⅝ in., "IXL," - - " 38 75

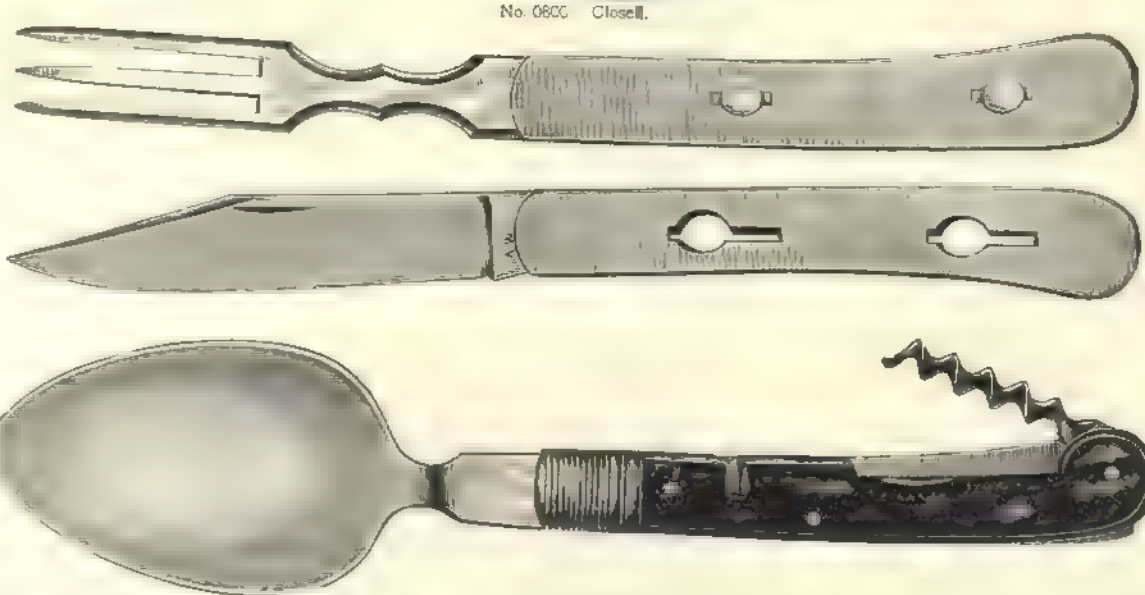
HALF DOZEN IN A BOX

CAMPING KNIVES.



No. 0602 2 pieces, knife and fork, brass lined, stag handle, joins and closes like an ordinary pocket knife, fine quality steel blade and fork, polished, German silver bolster, 3⅞ in., ... per dozen $12.80

No. 0800 Closed.



No. 0800–3 pieces, knife, fork and spoon, with corkscrew, crocus polished steel knife and fork, with German silver spoon, German silver bolster, brass lined, buffalo horn handle, a splendid article for camp use, 4 in . . . . . per dozen $24 00

HALF DOZEN IN A BOX

Adze Eye Hammers.

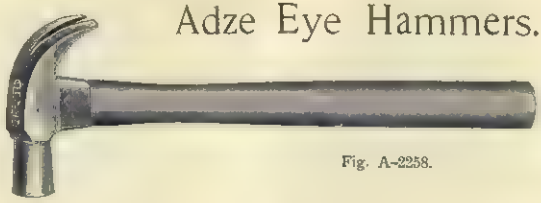


Fig. A-2258.

A. E. Bell Face Hammers.

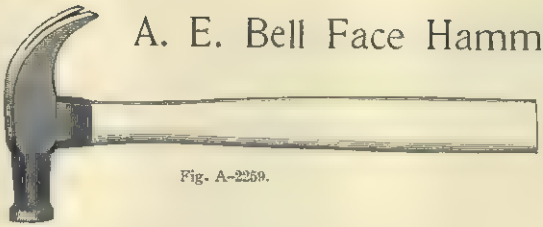


Fig. A-2259.

Adze Eye Hammers.

	Nos	1	1½	2	3
	Weight, each,	20	16	13	7½ oz
Maydole's	Per dozen,	**$8 75**	**8 00**	**7 50**	**6 75**
Riverside	Nos.	601	601½	602	603
	Per dozen,	**$8 00**	**7 00**	**6 00**	**5 00**
Carter	No.		1½	. .	. . .
	Per dozen,		**$7 00**	. .	. . .

A. E. Bell Face Hammers.

	Nos.	11	11½	12	13
	Weight, each,	19	15	12	7 oz
Maydole's	Per dozen,	**$8 75**	**8 00**	**7 50**	**6 75**
Riverside	Nos.	611	611½	612	613
	Per dozen	**$8 00**	**7 00**	**6 00**	**5 00**
Carter	No.		11½	.	. . .
	Per dozen,		**$7 00**	. . .	.

Brad Hammers.

Fig. A-2260

Plain Eye.

No. 656. Riverside, 4 oz . . . . . Per dozen, **$5 50**

All one-half dozen in box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Adze Eye Nail Hammers.

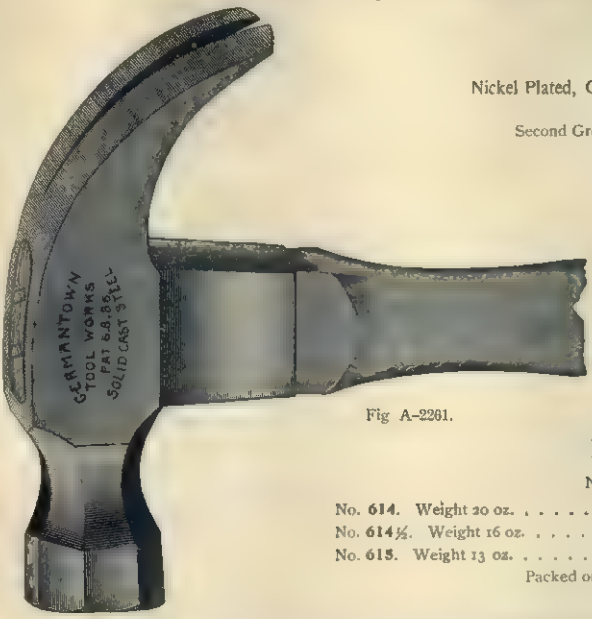


Fig A-2261.

Nickel Plated, Octagon Pole, Round Neck.

Second Growth Hickory Handles.

Germantown.

Weights do not include handles.

No. **43.** Size 2, 0 lb., 15 oz., Per doz., **$16 00**
No. **44.** Size 1½, 1 lb., 4 oz., " **16 50**

Riverside.

Nickel Plated.

No. **614.** Weight 20 oz. . . . . Per dozen, **$13 00**
No. **614½.** Weight 16 oz. . . . . " **12 50**
No. **615.** Weight 13 oz. . . . . " **12 00**

Packed one-half dozen in a box.

Adze Eye Farriers' Hammers.

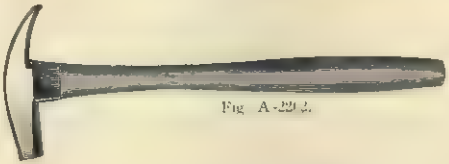


Fig A-2262.

Maydole.

No **152.** Adze Eye, Weight 10 oz . . Per dozen, **$8 00**
No. **253** Adze Eye, Weight 8 oz . . " **7 00**

Riverside.

No. **652.** Adze Eye, Weight 8 oz . Per dozen, **$5 00**
No. **653.** Adze Eye, Weight 10 oz . " **6 00**

Heller Bros.' Driving Hammers.

Fig. A-2263

11 to 20 oz . . . . . Per dozen, **$10 00**

Fig A-2264
Heller's Pattern.

Heller's Pattern.

13 to 20 oz . . . . Per dozen, **$12 50**

All one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Tack Hammers.

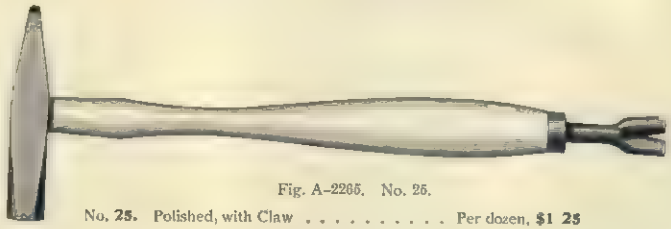


Fig. A–2265. No. 25.

No. **25.** Polished, with Claw . . . . . Per dozen, **$1 25**

Magnetic Tack Hammers.

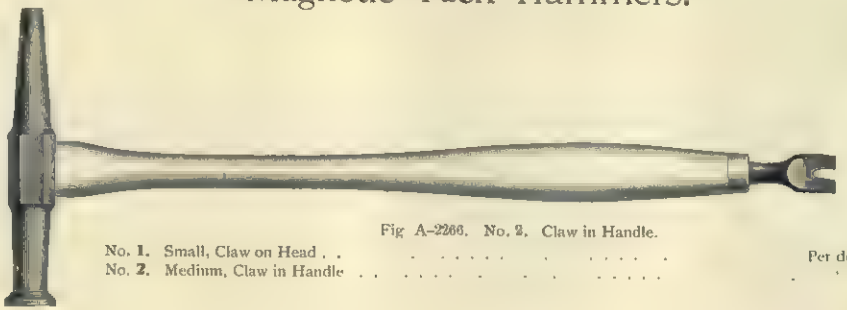


Fig A–2266. No. 2. Claw in Handle.

No. **1.** Small, Claw on Head . . . . . Per dozen, **$1 25**
No. **2.** Medium, Claw in Handle **1 50**

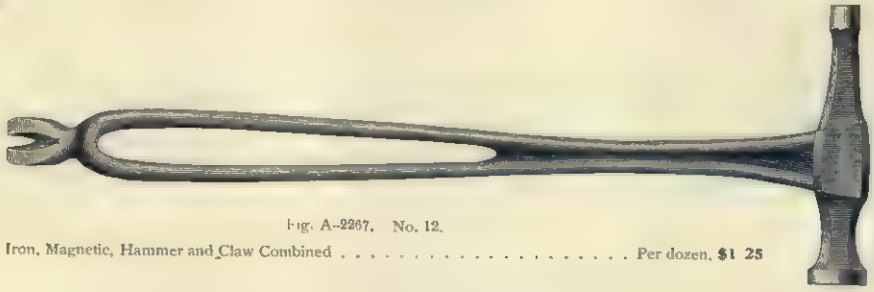


Fig. A–2267. No. 12.

No. **12.** Iron, Magnetic, Hammer and Claw Combined . . . . . Per dozen, **$1 25**

Patent Improved Tack Hammers.

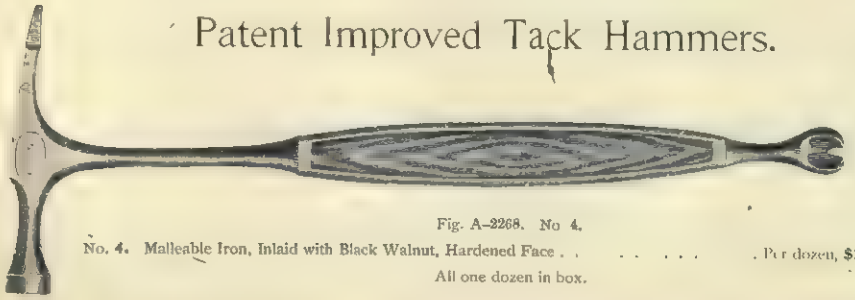


Fig. A–2268. No 4.

No. **4.** Malleable Iron, Inlaid with Black Walnut, Hardened Face . . . . . Per dozen, **$2 50**

All one dozen in box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Tack Hammers.

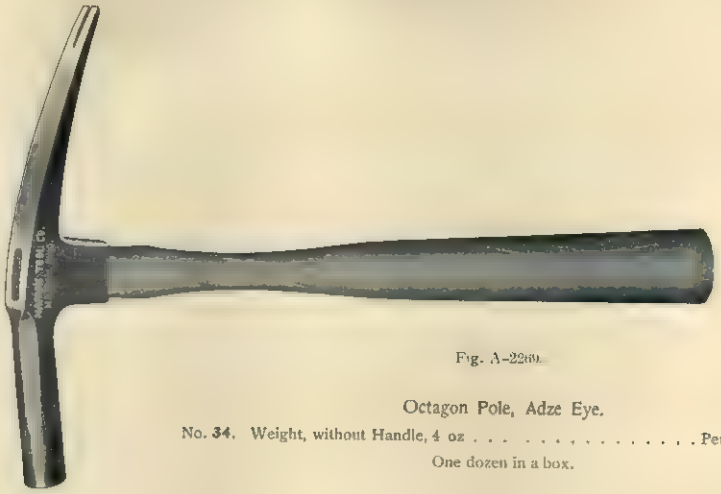


Fig. A-2269.

Octagon Pole, Adze Eye.

No. 34. Weight, without Handle, 4 oz . . . . . Per dozen, $5 00

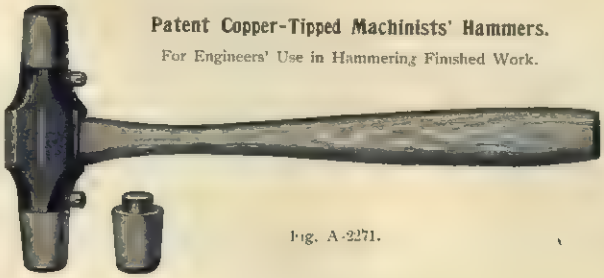
One dozen in a box.

Ladies' Hammers.

Fig. A 2270

No. 260. Full Polished Varnished Hickory Handles . . . . . Per dozen. $1 50

One dozen in box.



Patent Copper-Tipped Machinists' Hammers.

For Engineers' Use in Hammering Finished Work.

Fig. A-2271.

With Handles Complete.

Number,	1	2	3
Weight, lbs.,	¼	1	2
Each,	$1 50	1 75	2 00

Copper Tips (Extra).

Number,	1	2	3
Each,	$0 25	0 35	0 40

One-half dozen in box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Upholsterers' Hammers.

Steel.

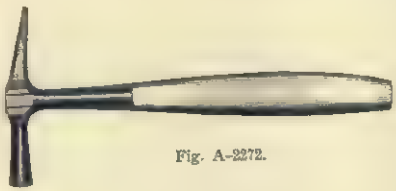


Fig. A-2272.

Style of A.

A—Plain Hammer . . . . . Per dozen, **$6 00**
B—Claw on the Top of Hammer . . . . . " **7 00**

Fig. A-2273.

Style of D.

C—Claw on Side of Hammer . . . . . Per dozen, **$ 9 00**
D—Claw on End of Handle . . . . . " **11 00**

One-half dozen in a box.

Shoemakers' Hammers.

Fig. A-2274.

No. 1 . . . . . Per dozen, **$5 00**
No. 2 . . . . . " **5 50**

One-half dozen in a box.

Bricklayers' Hammers.

Fig. A-2275.

Cast Steel. Handled.

No. **772**. Weight ¼ lb. . . . . Per dozen, **$13 00**

Riverside Coopers' Hammers.

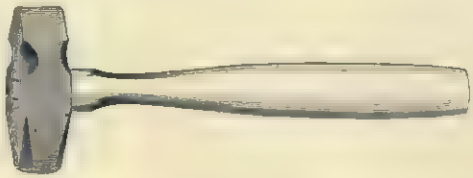


Fig. A-2276.

Nos.	753	754	755	756	757
Wt.	2½	3	4	4½	5 lbs.
Doz.	$17 00	18 00	20 00	21 00	22 00

One-half dozen in a box.

Drew's Coppering Hammer.

Fig. A-2277.

Per dozen **$12 00**

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Riveting Hammers.

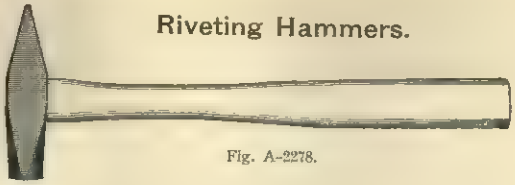

Fig. A–2278.

Riverside.

Nos.,	640	641	642	643	644	645	646
Weight,	4 oz.	7 oz.	9 oz.	12 oz.	15 oz.	18 oz.	22 oz.
Per dozen	**$5 50**	**5 75**	**6 00**	**6 25**	**6 50**	**7 00**	**7 50**

One-half dozen in a box.

Engineers' Hammers.

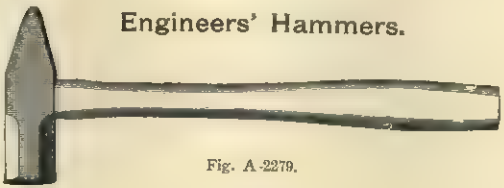

Fig. A–2279.

Riverside.

Nos.,	700	701	702	703	704
Weight,	1 lb. 2 oz.	1 lb. 10 oz.	2 lbs.	2 lbs. 8 oz.	3 lbs.
Per dozen	**$12 00**	**13 00**	**14 00**	**15 00**	**16 00**

One-half dozen in a box.

Blacksmith Hand Hammers.

Fig. A–2280.

Riverside.

Nos.,	720	721	722	723	724
Weight,	1 lb. 10 oz.	2 lb.	2 lb. 10 oz.	3 lb.	3½ lb.
Per dozen	**$13 00**	**14 00**	**15 00**	**16 00**	**17 00**

One-half dozen in a box.

Machinist Chipping Hammers.

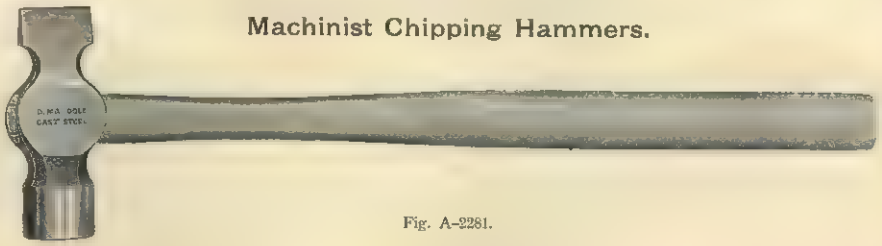

Fig. A–2281.

Riverside.

Nos.,	669½	670	672	674
Weight,	8 oz.	1 lb.	1 lb 8 oz.	2 lb
Per dozen	**$12 00**	**12 50**	**14 50**	**16 50**

One-half dozen in a box.

Machinists' Ball Pein Hammers.

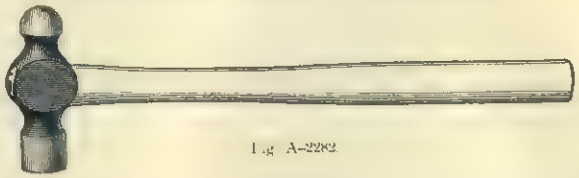

Fig. A–2282

"Maydole's."

Nos.	77	76	75	74	73	72	71	70½	70
Weight,	7 oz.	10	13	16	20	24	30	2¼ lbs.	3 lbs.
Per dozen	$9 50	10 00	10 50	11 25	12 25	13 50	15 00	17 00	20 00

One-third dozen in box.

Riverside.

Nos.	659¼	659½	659¾	660	661	662	663	666	668
Weight,	6 oz.	8	12	1 lb.	1¼	1½	1¾	2½	3
Per dozen	$12 00	12 00	12 00	12 50	13 50	14 50	15 50	19 00	22 00

One-half dozen in box.

Cast Steel Rounding Hammers.

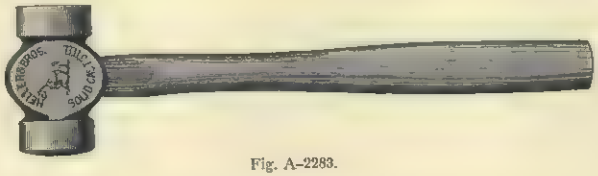

Fig. A–2283.

No. 748. **Riverside,** Weight 2 to 3 Lbs . . . . . Per dozen, **$30 00**

One-half dozen in box.

Heller Bros., Weight 2 to 3 Lbs. . . . . " **24 00**

One-quarter dozen in box.

Farriers' Turning Hammers.

Fig A–2284.

No. 745. **Riverside,** Weight 2 to 3 Lbs. . . . . Per dozen, **$30 00**

One-half dozen in box.

Heller Bros., Weight 2 to 3 Lbs. . . . . " **24 00**

One-quarter dozen in box

Pick Pointing Hammers.

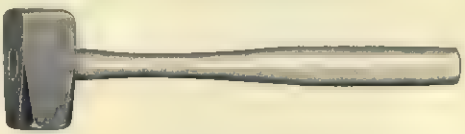

Fig. A–2285.

Cast Steel.

Riverside, Weight 2 Lbs. 1 Oz. . . . . Per dozen, **$15 00**

One-half dozen in box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Spauling or Stone Hammers.

Fig. A-2286.

Weight 3 and 4 Pounds . . . . . Per pound, **$0 40**
Weight 5, 6, 8, 10, 12 Pounds **36**

Rock Breaking or Napping Hammers.

Fig. A-2287.

Weight 3, 3½, 4, 4½ Pounds . . . . . Per pound, **$0 36**
Weight 5, 6, 8, 10, 12 Pounds . . . . . " **30**

Ship or Top Mauls.

Fig. A-2288.

Weight 5, 5½, 6, 6½, 7 Pounds . . . . . Per pound, **$0 42**

Horton & Arnold's.

Weight 5, 5½, 6, 8 Pounds . . . . . Per pound, **$0 64**

Railroad Spiking Mauls.

Fig. A-2289.

Weight 6, 7, 8 Pounds . . . . . Per pound, **$0 30**

Blacksmiths' Sledges.

Cross Pein.

Fig. A-2290

Weights 7, 8, 9, 10, 12, 14, 16, 18 Pounds Per pound, **$0 30**

Straight Pein.

Fig. A-2291.

Weights 6, 8, 9, 10, 12, 14, 16 Pounds . . . Per pound, **$0 30**

Solid Cast Steel Drill Hammers.

Fig A-2292.

Regular Pattern. Oil Finished. Handled.

Weight, 3, 3¼, 4, 4¼, 5 Pounds . . . . Per pound, **$0 43½**

Nevada Pattern. Oil Finished. Handled.

Weight, 3, 3½, 4, 4½ Pounds . . . . . Per pound, **$0 43½**

Double Face Sledges.

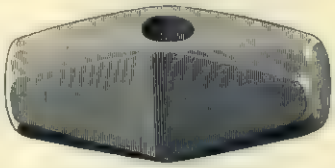

Fig A-2293.

Regular Pattern. Oil Finished. Not Handled.

Weight, 6, 7, 7½, 8, 9, 10, 12, 14, 16, 18, 20 Pounds . . . . . Per pound, **$0 30**

Nevada Pattern. Oil Finished. Not Handled

Weight, 6, 7, 7½, 8 Pounds . . . . . Per pound, **$0 30**

Regular Pattern. Full Polished. Handled.

Weight, 6, 7, 7½, 8, 9, 10, 12, 14, 16 Pounds . . . . . Per pound, **$0 45**

Wood Choppers' Maul.

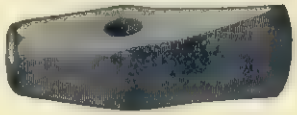

Fig. A-2294

Oregon Pattern.

Weight, 6, 8, 10, 12 Pounds . . . . . Per pound, **$0 36**

Post Mauls.

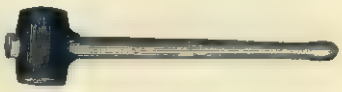

Fig. A-2295.

Not Handled.

Solid Cast Iron.

Weight, 8, 10, 12 Pounds . . . . . Per pound, **$0 10**

Blacksmiths' Tools.

Cold Eye Chisel.

Fig. A–2296.

Cold Eye Chisels.

Size, 1¼ Inches	Each,	$0 80
Size, 1½ Inches	"	1 25

Hot Eye Chisel.

Fig. A–2297.

Hot Eye Chisels.

Size, 1¼ Inches	Each,	$0 80
Size, 1½ Inches	"	1 25

Anvil Hardie.

Fig. A–2298.

Size, Inch,	⅜	½	⅝	¾	1⅛	1¼
Each	$0 35	0 40	0 55	0 70	0 75	1 00

In ordering hardies give size of shank.

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POCKET KNIVES.

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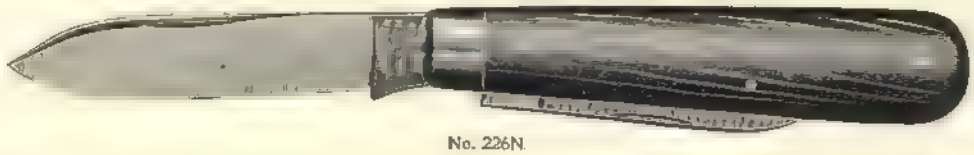

No. 226N.

No. 125N-1 blade, cocoa handle, iron lined, glazed, 3¼ in., - - - - - - per dozen $2.00
No. 226N-2 blades, cocoa handle, iron lined, glazed, 3⅜ in., - - - - " 3.20
No. 209N-2 blades, cocoa handle, iron lined, glazed, 3⅜ in., clip point, - - - " 3.20

No. 2430N-2 blades, cocoa handle, iron lined, glazed, 3¼ in., - - - - - - per dozen $3.20

No. 2451N

No. 2450N 2 blades, cocoa handle, iron lined, glazed, 3½ in., - - - - - - per dozen $4.40
No. 2451N-2 blades, ebony handle, iron lined, glazed, 3½ in., - - - - - - " 4.55

No. 2461N.

No. 2460N-2 blades, cocoa handle, iron lined, large blade crocus polished, 3⅝ in., - - per dozen $5.20
No. 2461N 2 blades, ebony handle, iron lined, large blade crocus polished, 3⅝ in., - - " 5.35

No. 138N-1 blade, cocoa handle, iron lined, glazed, 3¾ in., - - - - - - per dozen $4.15

HALF DOZEN IN A BOX.

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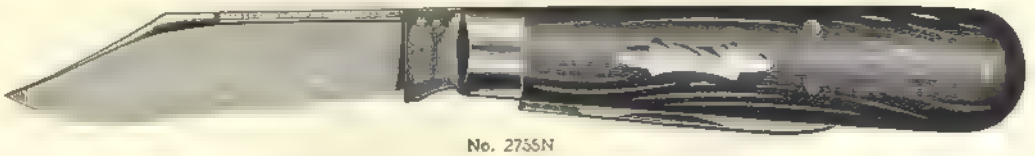
No. 2348N 2 blades, ebony handle, brass lined, glazed, 3¼ in., ... per dozen $5.45



No. 2755N

No. 2755N–2 blades, cocoa handle, iron lined, large blade crocus polished, etched "Ranchero," 3½ in., per dozen $4.80

No. 2965N–2 blades, cocoa handle, iron lined, large blade crocus polished, etched "Rustler," 3⅝ in., per dozen 6 40

No. 2743N

No. 2742N 2 blades, cocoa handle, iron lined, large blade crocus polished etched "Rustler," 3⅝ in., per dozen $6 80

No. 2743N 2 blades, ebony handle, iron lined, large blade crocus polished, etched "Rustler," 3⅝ in., per dozen 7 00

No. 2762N 2 blades cocoa handle, iron lined, large blade crocus polished etched "Old Reliable," 3¼ in., per dozen 6 40

No. 2339N–2 blades, stag handle brass lined, large blade crocus polished, not etched, 3½ in., per dozen 7 20

No. 2294N 2 blades, cocoa handle, brass lined, large blade crocus polished, 3⅝ in . . per dozen $7.60

No. 2872N 2 blades, ebony handle, brass lined, large blade crocus polished, 3⅞ in., . . per dozen $9.35

No. 275N 2 blades, cocoa handle, brass lined, large blade crocus polished, extra heavy, 3⅞ in., . per dozen $9.60

HALF DOZEN IN A BOX

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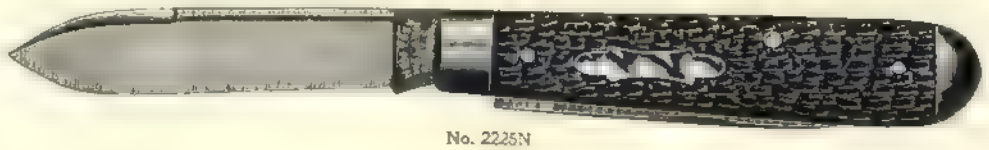
No. 241N-2 blades, ebony handle, brass lined, crocus polished, 3⅛ in., - - - per dozen $7.20

No. 2449N

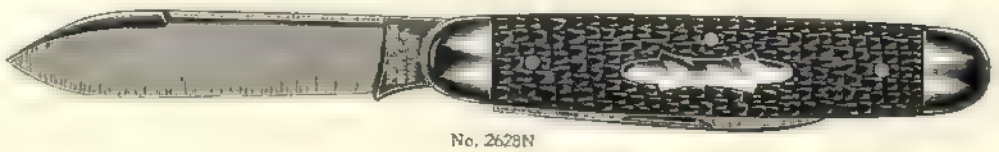
No. 2449N-2 blades, stag handle, brass lined, glazed, 3½ in., clip point, - - - - per dozen $6 80
No. 2444N-2 blades, stag handle, brass lined, glazed, 3½ in., spear point, - - - " 6 80



No. 2225N

No. 2222N-2 blades, cocoa handle, iron lined, glazed, 3½ in., - - - - - - per dozen $6.00
No. 2223N-2 blades, ebony handle, iron lined, glazed, 3½ in., - - - - - - " 6.15
No. 2225N-2 blades, stag handle, iron lined, glazed, 3½ in., - - - - - " 6.40
No. 2334N-2 blades, white bone handle, brass lined, glazed, 3½ in., - - - - - " 8.80

No. 2672N 2 blades, cocoa handle, iron lined, large blade crocus polished, 3⅝ in., - - per dozen $7.20



No. 2628N

No. 2625N-2 blades, cocoa handle, iron lined, glazed, 3½ in., - - - - - - per dozen $6.25
No. 2628N-2 blades, stag handle, iron lined, glazed, 3½ in., - - - - - - " 6.60
No. 228N-2 blades, cocoa handle, iron lined, glazed, 3⅝ in., - - - - - " 6.85
No. 2420N-2 blades, cocoa handle, brass lined, glazed, 3¼ in., - - - - - - " 6.40
No. 2525N-2 blades, cocoa handle, brass lined, glazed, 3½ in., - - - - - - " 8.80
No. 2526N-2 blades, ebony handle, brass lined, glazed, 3½ in., - - - - - - " 8.95
No. 2528N-2 blades, stag handle, brass lined, glazed, 3½ in., - - - - - - " 9.20

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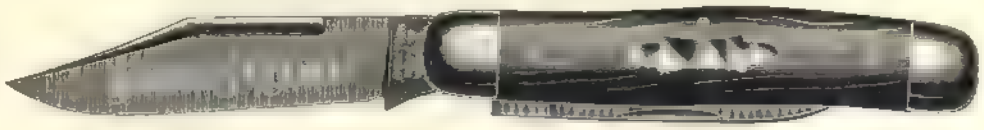
No. 2333N

No. 2358N–2 blades, ebony handle, brass lined, glazed, not etched, 3¼ in. - - per dozen $6.55
No. 2333N 2 blades, ebony handle, brass lined, large blade crocus polished, etched, 3½ in. - " 7 60
No. 2335N–2 blades, stag handle, brass lined, large blade crocus polished, etched, 3½ in. - " 8 40



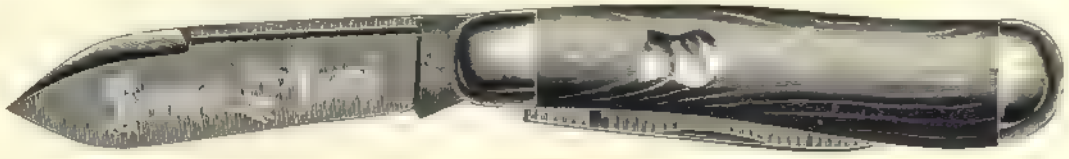
No. 2705N–2 blades, cocoa handle, brass lined, large blade crocus polished, 3½ in. - - per dozen $9 20

No. 2205N

No. 2205N–2 blades, cocoa handle, brass lined, large blade crocus polished, 3⅝ in - per dozen $8 80
No. 2208N–2 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in " 9 20

No. 2602N

No. 2601N-2 blades, cocoa handle brass lined, large blade crocus polished 3⅝ in. - per dozen $9.60
No. 2602N 2 blades, ebony handle brass lined, large blade crocus polished, 3⅝ in. - - " 9 75



No. 2535N.

No. 2636N-2 blades, ebony handle, iron lined, glazed, spear point, 3½ in. - - per dozen $ 7 20
No. 2431N-2 blades, cocoa handle, brass lined, large blade crocus polished, clip point, 3½ in " 9 60
No. 2535N–2 blades, cocoa handle, brass lined, large blade crocus polished, spear point, 3¾ in. " 10.00

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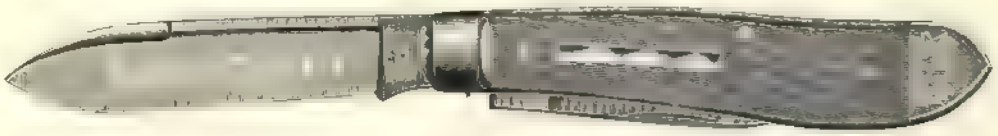
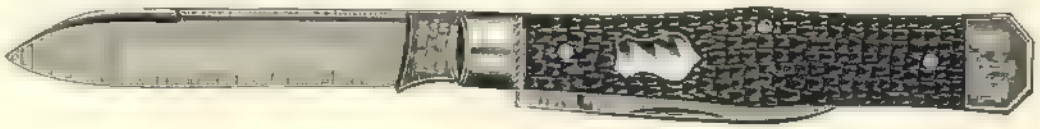


No. 2425N -2 blades, cocoa handle, brass lined, large blade crocus polished, 3½ in., · per dozen $9 20

No. 2731N–2 blades, ebony handle, brass lined, large blade crocus polished, 3½ in., · · per dozen $9 35



No. 2403N -2 blades, stag handle, brass lined, large blade crocus polished, 3½ in., · per dozen $9.60

No. 2738N–2 blades, stag handle, brass lined, large blade crocus polished, 3½ in., · per dozen $10.00

No. 2434N -2 blades, stag handle, brass lined, large blade crocus polished, 3½ in., · · per dozen $10.00

No. 28.3N

No. 2811N–2 blades, ebony handle, brass lined, large blade crocus polished, 3⅝ in., · · per dozen $10.40
No. 2813N 2 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in., · · " 10.75

HALF DOZEN IN A BOX.

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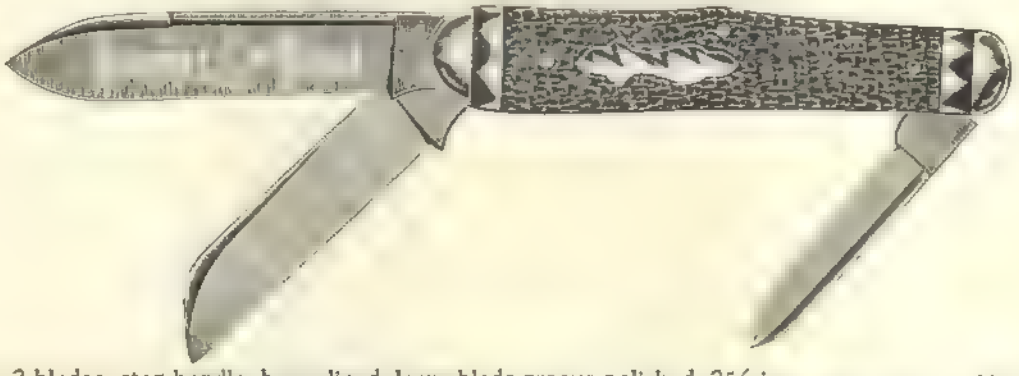
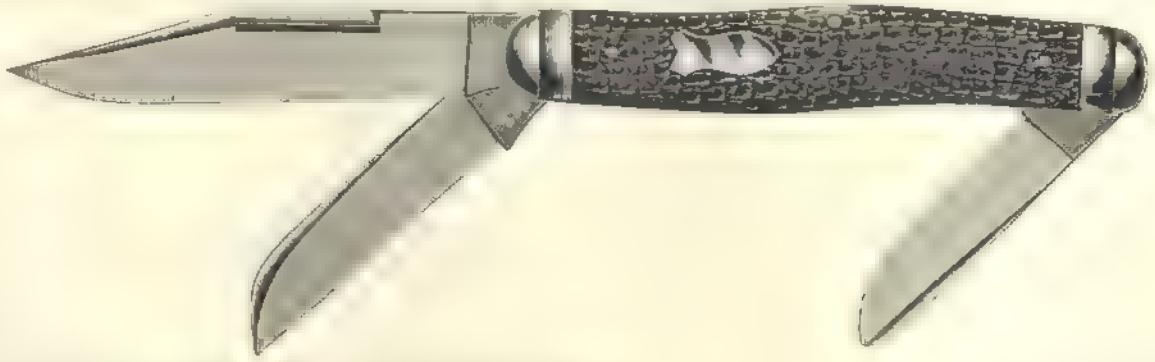
No. 3206N.

No. 3202N–3 blades, stag handle, brass lined, large blade crocus polished, 3⅛ in · · per dozen $12.80
No. 3206N 3 blades, ebony handle, brass lined, large blade crocus polished 3⅝ in, · 12.00
No. 3208N–3 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in., · · 14.40



No. 3718N–3 blades, stag handle, brass lined, large blade crocus polished, 3⅝ in, · · per dozen $15.20



No. 3215N 3 blades, stag handle, brass lined, glazed 4 in, · · · · · · per dozen $12.80

No. 4215N 4 blades, stag handle rope milled German silver lining, large blade crocus polished, 3⅞ in., per dozen · · · · · ·

POCKET KNIVES.

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No. 242N 2 blades, ebony handle, brass lined, large blade crocus polished, 3⅛ in., . . per dozen $8.00

No. 2299N.

No. 2288N–2 blades, stag handle, brass lined, large blade crocus polished, 3⅛ in., . . per dozen $ 8.80
No. 2299N 2 blades, pearl handle, brass lined, large blade crocus polished, 3⅛ in., . . " 15.20

No 2301N

No. 2301N 2 blades, ebony handle, brass lined, large blade crocus polished 3⅛ in., . . per dozen $ 9.60
No. 2303N 2 blades, stag handle, brass lined, large blade crocus polished, 3⅛ in., . . " 10.00

No 2522N

No. 2521N 2 blades, ebony handle, brass lined, crocus polished, 3¼ in., . . per dozen $ 9.60
No. 2522N–2 blades, stag handle, brass lined, crocus polished, 3¼ in., . . . " 10.00

No. 2543N.

No. 2540N–2 blades, ebony handle, brass lined, crocus polished, 3¾ in., ... per dozen $10.80
No. 2542N–2 blades, stag handle, brass lined, crocus polished, 3¾ in., ... " 11.20
No. 2543N–2 blades, pearl handle, brass lined, crocus polished, 3¾ in., ... 21.60

HALF DOZEN IN A BOX.

POCKET KNIVES.

NEW YORK KNIFE CO'S, WARRANTED.

No. 2010N–2 blades, pearl handle, brass lined, crocus polished, 2⅝ in . . . per dozen $10 00

No. 2395N 2 blades, pearl handle, brass lined crocus polished, 2¾ in., . . . per dozen $9.60

No. 2771N 2 blades, pearl handle, German silver lined, fancy bolsters, crocus polished, 2¾ in., per dozen $10 40

No. 253N 2 blades, pearl handle brass lined, crocus polished, 2⅞ in., . . . per dozen $14.40

No 2307N

No. 2991N–2 blades, pearl handle, brass lined, crocus polished, 2⅝ in., . . . per dozen $10.80
No. 2307N–2 blades, pearl handle, brass lined, crocus polished, 3⅛ in., . . . " 17.60

No 263N

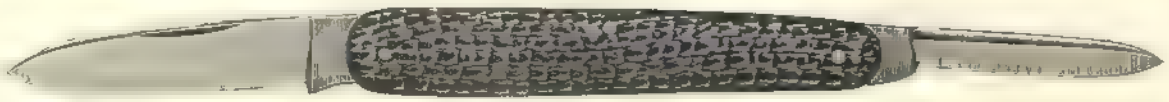
No. 260N–2 blades, ebony handle, brass lined, crocus polished, 3¼ in., ... per dozen $10.00
No. 261N -2 blades, stag handle, brass lined, crocus polished, 3¼ in., ... 10.80
No. 263N–2 blades, pearl handle, brass lined, crocus polished, 3¼ in., . . . 20.00

HALF DOZEN IN A BOX

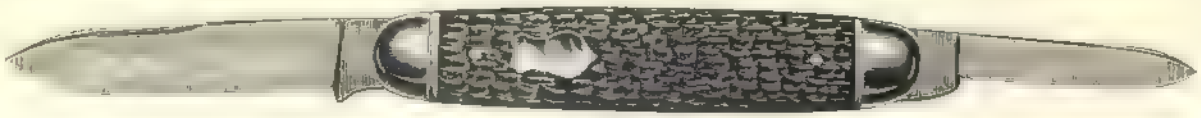
POCKET KNIVES.

NEW YORK KNIFE CO'S, WARRANTED.

No. 291N–2 blades, stag handle, brass lined, glazed 3 in., - - - per dozen $7.20



No. 2045N 2 blades, stag handle, brass lined, glazed, 3¼ in., - - - - - - per dozen $6.80



No. 2022N.

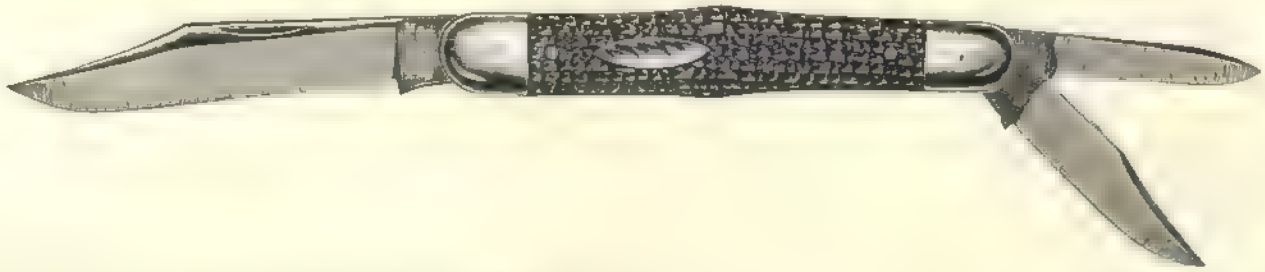
No. 2621N 2 blades, buffalo handle, brass lined, large blade crocus polished, 3⅜ in., - - per dozen $8 80
No. 2022N-2 blades, stag handle, brass lined, large blade crocus polished, 3⅜ in., - - " 8 65

No. 2369N.

No. 2369N 2 blades, ebony handle, brass lined, large blade crocus polished, 3⅜ in., - - per dozen $8.00
No. 2370N 2 blades, stag handle, brass lined, large blade crocus polished, 3⅜ in., - - " 8.40

No. 2167N

No. 2355N-2 blades, stag handle, brass lined, glazed, 3¼ in., - - - - - - per dozen $ 8.75
No. 2164N 2 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - " 9.20
No. 2382N -2 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - " 14.00
No. 2167N -2 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - " 16.00



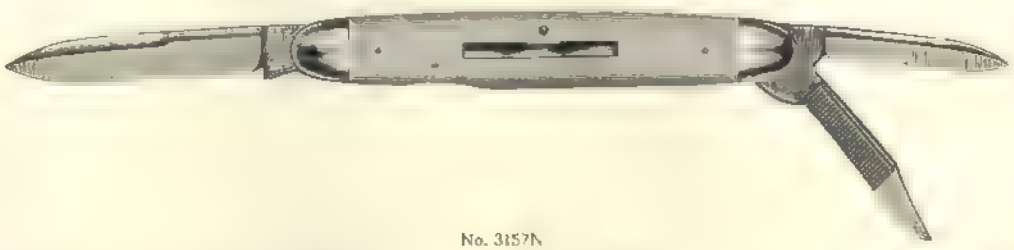
No. 307N–3 blades, stag handle, brass lined, glazed, 3⅝ in., - - - - - - per dozen $14.80

HALF DOZEN IN A BOX.

POCKET KNIVES.

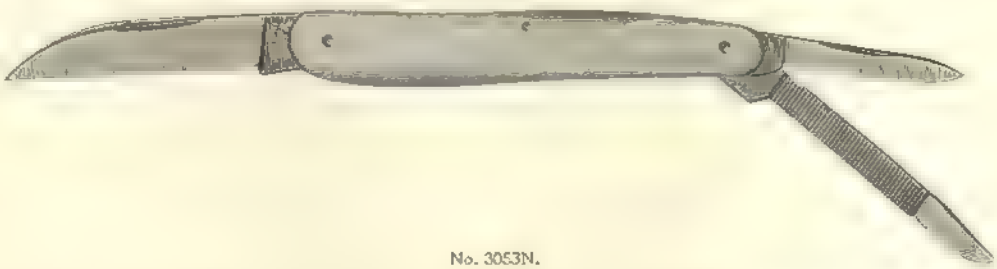
NEW YORK KNIFE CO'S, WARRANTED.

No. 304N–3 blades, pearl handle, brass lined, crocus polished, 2⅞ in. . . . . per dozen $16 80



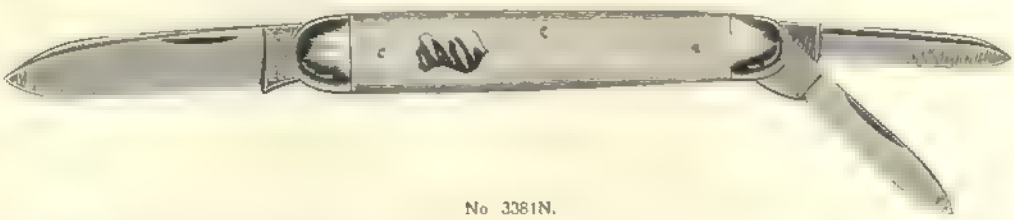
No. 3157N.

No. 3154N 3 blades, stag handle, brass lined, crocus polished 3⅛ in., ... per dozen 14 15
No. 3157N–3 blades, pearl handle, brass lined, crocus polished, 3⅛ in., ... " 19 40



No. 3053N.

No. 3051N–3 blades, stag handle, German silver lined crocus polished, 2⅞ in., . . . per dozen $14 40
No. 3053N 3 blades, pearl handle, German silver lined, crocus polished, 2⅞ in., . . . " 21.60



No 3381N.

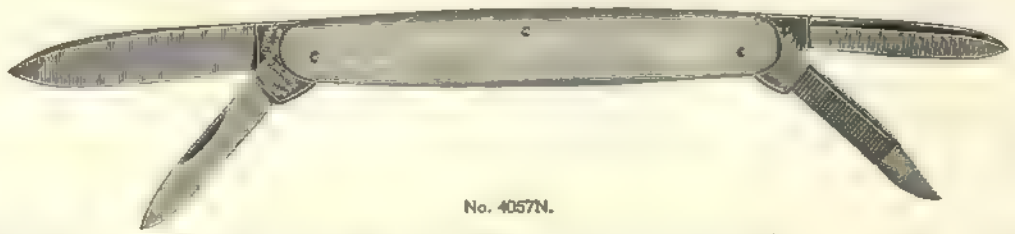
No. 3378N 3 blades, stag handle brass lined, crocus polished, 3⅛ in., ... per dozen $12 00
No. 3381N–3 blades, pearl handle, brass lined, crocus polished, 3⅛ in., ... " 16.80

No. 3081N 3 blades, pearl handle, brass lined, crocus polished, 3⅛ in., ... per dozen $20.40

HALF DOZEN IN A BOX

POCKET KNIVES.

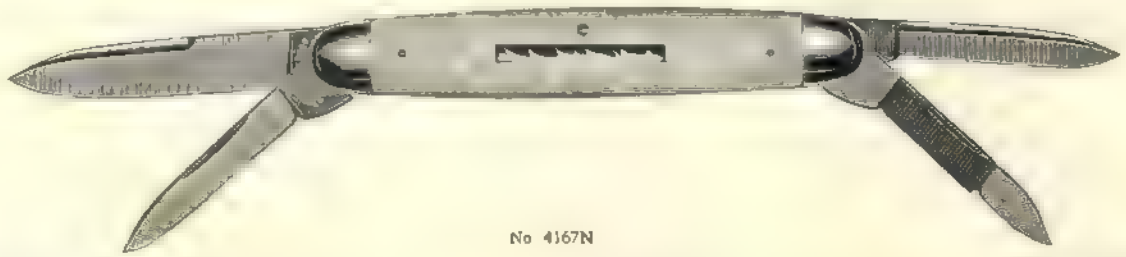
NEW YORK KNIFE CO'S WARRANTED.



No. 4057N.

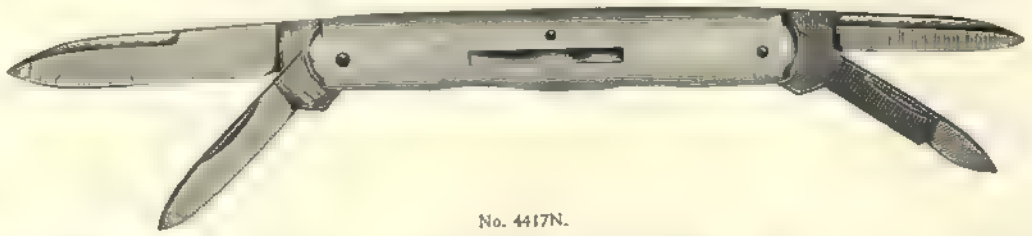
No. 4054N 4 blades, stag handle, rope milled brass lining, crocus polished, 3⅛ in., - - per dozen $16.00
No. 4037N 4 blades, pearl handle, rope milled brass lining, crocus polished 2¾ in., - - " 19.20
No. 4057N–4 blades, pearl handle, rope milled brass lining, crocus polished, 3⅛ in., - - " 24 00

No. 4999N–4 blades, stag handle, brass lined, crocus polished, 3⅛ in , - - - - per dozen $12.80



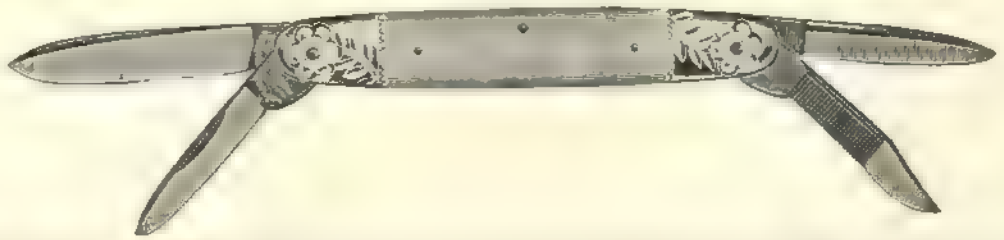
No 4167N

No. 4164N–4 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - per dozen $14 80
No. 4167N–4 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - " 21.60



No. 4417N.

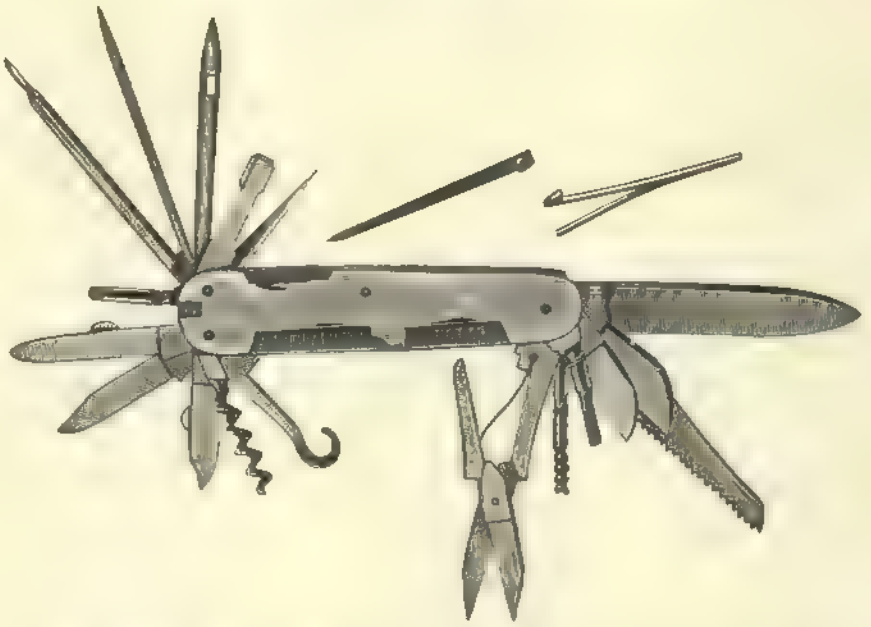
No. 4415N–4 blades, stag handle, rope milled brass lining, crocus polished, 3 in., - - per dozen $17 60
No. 4417N 4 blades, pearl handle, rope milled brass lining, crocus polished, 3 in., - - " 23.20



No. 4772N–4 blades, pearl handle, German silver lined aluminum bolsters, crocus polished, 3⅛ in., per dozen $18 00

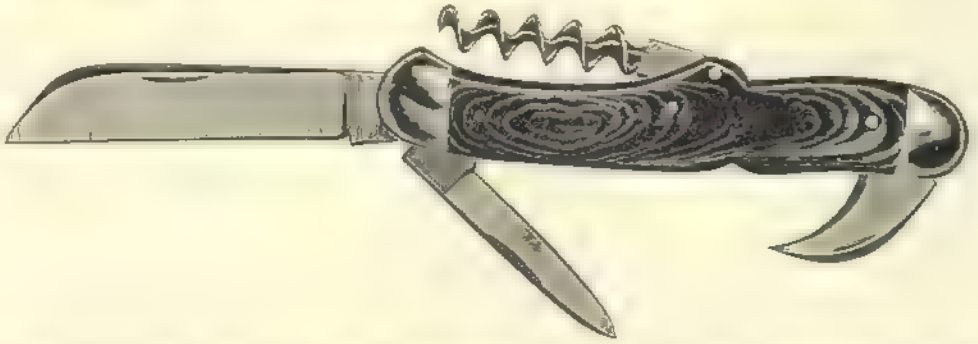
HALF DOZEN IN A BOX.

POCKET KNIVES.

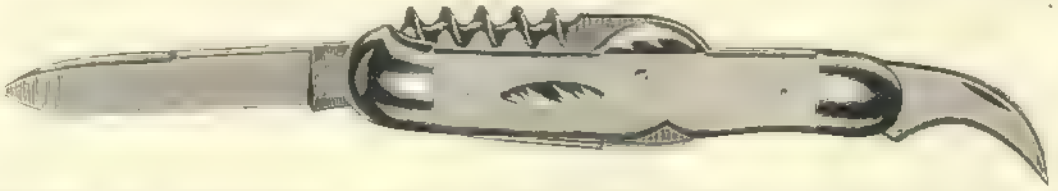


Pearl Handle, Rope Milled German Silver Lining, Crocus Polished.

No. 3025 11 tools, comprising 3 blades, 1 scissors, 1 corkscrew 1 button hook 1 file, 2 awls, 2 picks, 3⅛ in., - - - - - - - - - - - - - - - - - - per dozen $
No. 3028 7 tools, comprising 2 blades, 1 scissors 1 corkscrew, 1 file 2 picks, 3⅛ in, - " 43.20
No. 6217 7 tools, comprising 2 blades, 1 scissors 1 corkscrew, 1 file, 2 picks, 3 in, - " 43 20
No. 7208–7 tools, comprising 2 blades, 1 scissors, 1 corkscrew, 1 file, 2 picks, 2⅞ in., - " 38.50
No. 6741–6 tools, comprising 2 blades, 1 scissors, 1 file, 2 picks, 3 in., - - - - " 40 00
No. 6891 6 tools comprising 2 blades, 1 scissors, 1 file 2 picks, 2½ in, - - - - " 32 00
No. 3836–3 tools, comprising 2 blades, 1 scissors, 2⅝ in., - - - - - - " 16.00
No. 02068 -Watch charm 5 tools comprising 3 blades, 1 scissors, 1 corkscrew, 1½ in, with ring, " 29 00



No. 1984 2 blades, with corkscrew and champagne opener, gray buffalo handle, brass lined, crocus polished, 3¾ in., - - - - - - - - - - - - - - - - - - per dozen $16.00



No. 1784 2 blades, with corkscrew and champagne opener, pearl handle, brass lined, crocus polished, 3⅝ in., - - - - - - - - - - - - - - - - - - per dozen $27.00

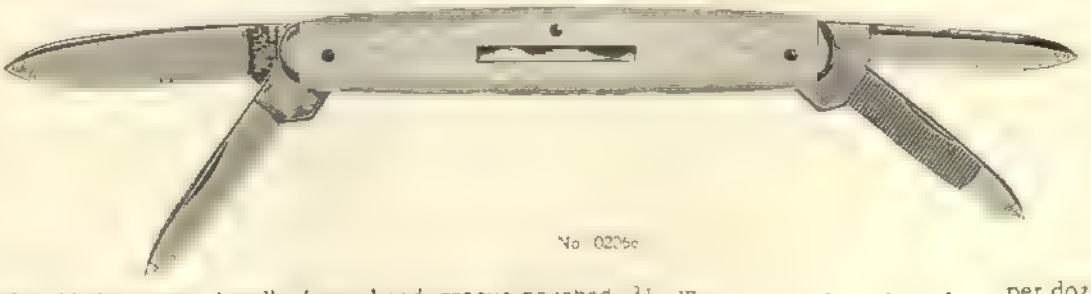
HALF DOZEN IN A BOX

POCKET KNIVES.

JOSEPH ALLEN & SONS' CELEBRATED NON-XLL.

No. 02063 4 blades pearl handle, brass lined, crocus polished 3⅛ in., . . per dozen $27 60

No. 02064–4 blades, pearl handle, brass lined, crocus polished, 3⅜ in., ... per dozen $25.80



No. 02065

No. 02065–4 blades, stag handle, brass lined, crocus polished, 3½ in., ... per dozen $23 40
No. 02066 4 blades, pearl handle, brass lined crocus polished, 3½ in., ... 30 50

No. 02067 4 blades, stag handle, brass lined, crocus polished, 3¼ in., . . . per dozen $16 20

No. 02068–4 blades, stag handle brass lined crocus polished 3⅛ in., ... per dozen $18 00

HALF DOZEN IN A BOX

Wrought Iron Tumbler Padlocks.

Fig. A–781. No. 100. Old No. 4–0.

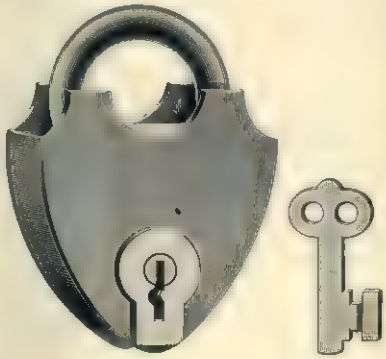


Fig. A–782. No. 122. Old No. 1037.

Fig. A–783. No. 200. Old No. 3–0.

Fig. A–784. No. 201. Old No. 2–0.

Number.	Size	Description.	Per dozen.
			1 KEY.
100	2 inch	1 Wheel, 4 Changes, Fancy Key	$1 70
122	2 "	Self-Locking, 4 Changes, Brass Bushing, Revolving Key Pin, Flat Steel Key	3 00
200	2¼ "	Plain, without Drop	2 50
201	2¼ "	Plain, with Brass Drop	3 00

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wrought Iron Tumbler Padlocks.

Fig. A-785. No. 301. Old No. 1.

Fig. A-786. No. 302. Old No. 2.

Number.	Size.	Description.	Per dozen KEY.
301	2½ Inch.	Plain, with Brass Drop	$3 75
302	2½ "	6 Changes, Brass Drop and Bushing . . .	4 25

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wrought Iron Tumbler Padlocks.

Fig. A-787.

No. 303. Old No. 3.

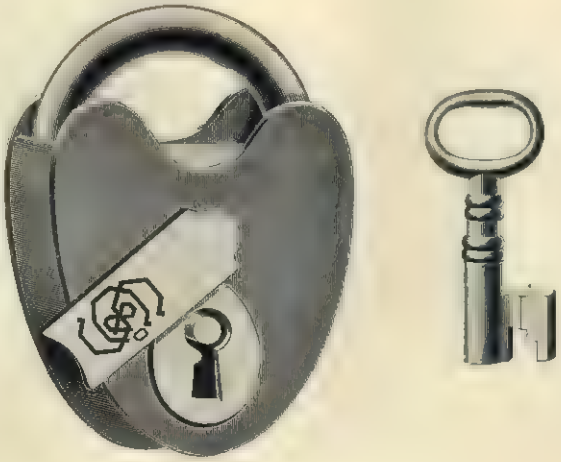


Fig. A-788.

No. 315. Old No. 4.

Numbers.	Size.	Description.	Per dozen. 1 Key.
303	2½ Inch.	6 Changes, Brass Drop and Bushing	$4 50
315	2½ "	1 Tumbler, 6 Changes, Brass Drop and Bushing, 1 Wheel and Side Ward	5 10

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wrought Iron Tumbler Padlocks.

Fig. A–789. No 202. Old No. 0.

Fig. A–790. No. 218. Old No. 1063.

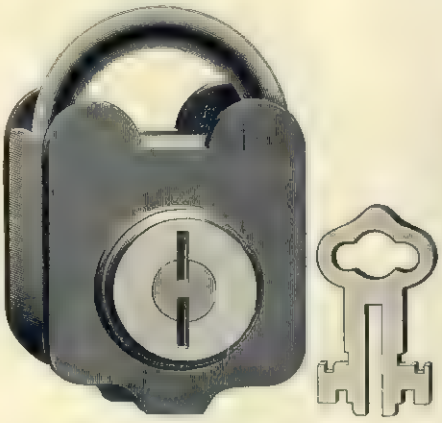


Fig. A–791. No 223. Monogram Back. Old No. 1043.

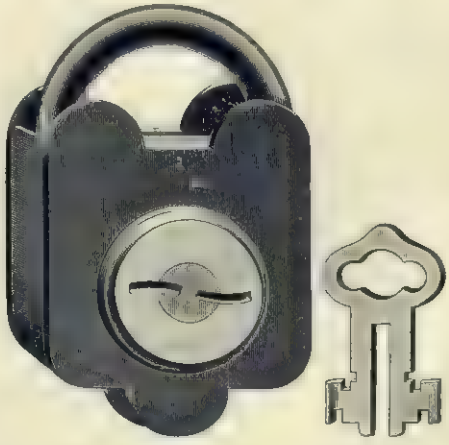


Fig. A–792. No. 232. Monogram Back. Old No. 1053.

Numbers.	Size.	Description.	Per dozen.
202	2⅛ Inch.	4 Changes, Raised Bushing, Brass Drop, Key	$3 25
218	2⅛ "	1 Tumbler, 6 Changes, Brass Bushing, Engraved Drop, 1 Wheel Ward, Revolving Key Pin, Flat Steel Key, 2 Keys	6 75
223	2⅛ "	1 Tumbler, 6 Changes, Brass Bushing, Double Chamber, Revolving Key Pin Double Bitted Flat Steel Key, 2 Keys	7 95
232	2⅛ "	Self Locking, 1 Tumbler, 6 Changes, Brass Bushing, Double Chamber, 1 Ward, Revolving Key Pin, Double Bitted Flat Steel Key, 2 Keys . . .	8 35

Packed one-half dozen in a box.

Wrought Iron Tumbler Padlocks.

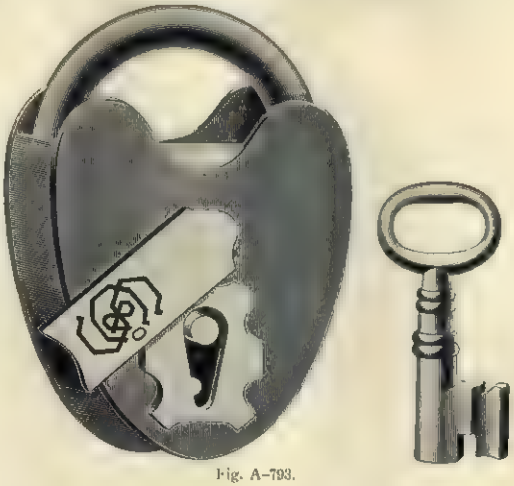


Fig. A-793.
No. 316. Old No. 5.

Fig. A-794.
No. 318. Old No. 1064

Numbers.	Size.	Description.	Per dozen.
316	2½ Inch.	1 Tumbler, 12 Changes, Brass Drop and Bushing, Wheel and Side Wards, 1 Key .	$5 35
318	2¾ "	6 Changes, Engraved Drop, Brass Bushing, Heavy Shackle, 2 Cylinder Keys .	6 75

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wrought Iron Tumbler Padlocks.

Fig. A-795
No. 343, Brass Key. Old No. 1007.

Fig. A-796.
No. 344. Old No. 1004.

Numbers.	Size.	Description.	Per dozen.
343	2½ Inch.	1 Tumbler, 6 Changes, Brass Bushing, Wheel and Side Wards, Double Chamber, 2 Double Bitted Brass Keys	$10 85
344	2½ "	1 Tumbler, 12 Changes, Brass Bushing, 3 Solid Brass Wheels, Bridge Wards, 2 Nickel-plated Patent Steel Keys, Brass Bushing on Back	9 50

Packed one half dozen in a case.

Wrought Iron Tumbler Padlocks.—With Chain.

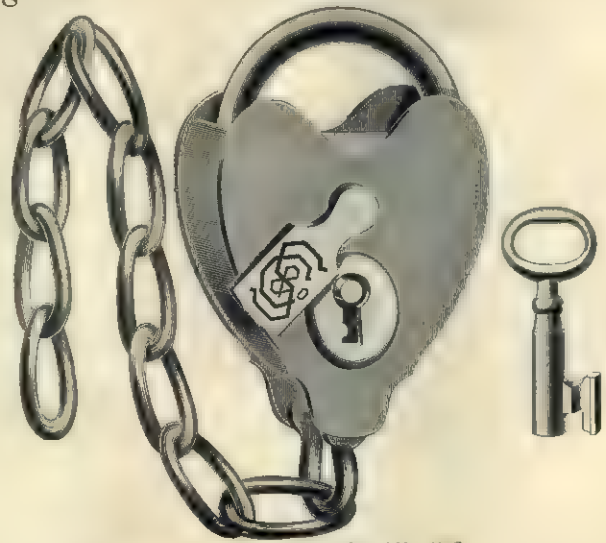


Fig. A-707. Full Size Cut of No. 202C

Fig. A 708. Full Size Cut of No. 216C

Numbers.	Inch.	Japanned	Per dozen.
202C	2¼	Brass Drop, Raised Bushing, with Chain, 4 Changes, 2 Keys	$5 40
216C	2¾	Brass Drop and Bushing, Wheel Ward Revolving Key Pin Flat Steel Key, Brass Bushing on Back, Self-locking Spring Shackle, with Chain, 6 Changes, 2 Keys	9 00

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Wrought Iron Tumbler Padlocks.

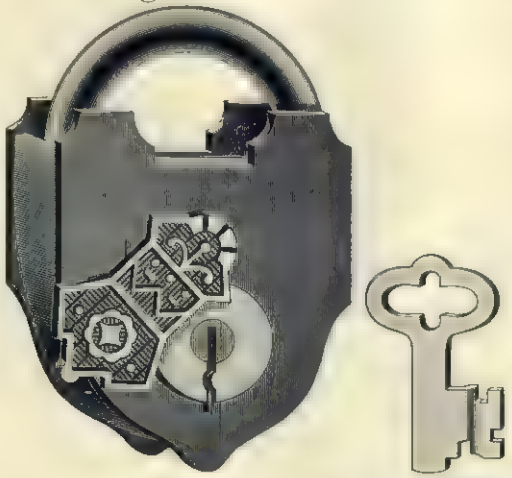


Fig. A-799.

No 386, Monogram Back. Old No. 1031.

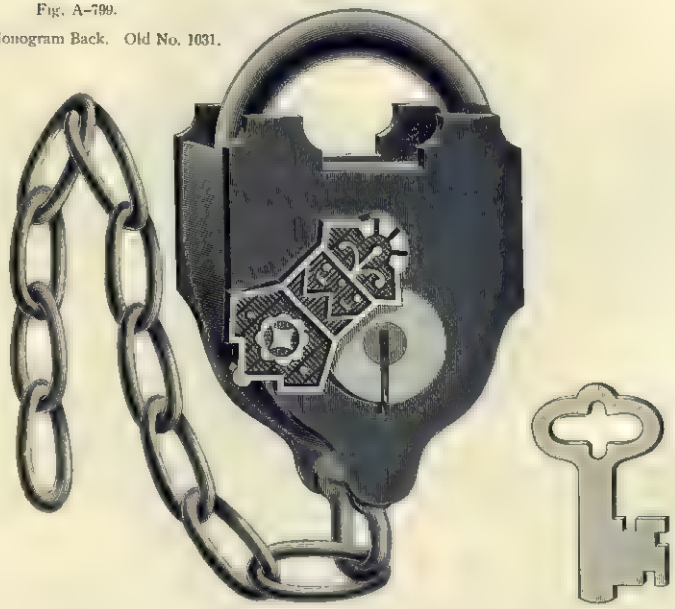


Fig. A-800. No. 386C, Monogram Back. Old No. 1032

Numbers.	Size.	Description.	Per dozen
386	2½ Inch.	1 Tumbler, 6 Changes, Engraved Drop, Brass Bushing, 1 Wheel Ward, Revolving Key Pin, Heavy Shackle, 2 Flat Steel Keys, Monogram Brass Bushing on Back	$ 8 10
386C	2½ "	Same as No. 386, with Chain, 2 Keys.	10 20

Packed one-half dozen in a box.

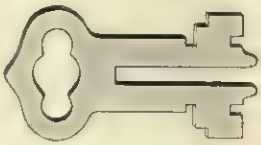
Wrought Iron Tumbler Padlocks.

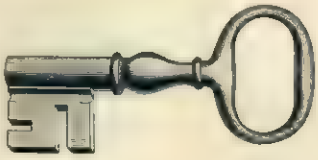
Fig. A-801

No. 404. Monogram Back. Old No. 1033.

Fig. A-802

No. 715 Old No. 8.





Numbers.	Size.	Description.	Per dozen.
404	2½ Inch.	1 Tumbler, 6 Changes, Brass Bushing, 1 Wheel Ward, Double Chamber, Revolving Key Pin, 2 Double Bitted Flat Steel Keys, Monogram Brass Bushing on Back	$9 60
715	3 "	1 Tumbler, 12 Changes, Brass Drop and Bushing, Side and Bridge Wards, Solid Brass Wheel, 1 Key	9 25

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Scandinavian Padlocks.

Malleable Iron.

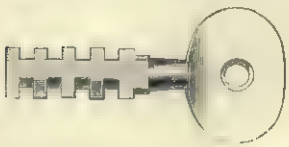
Fig. A-803.

Full Size of No. 110.

McWilliams Patent.

Hand Made.

Fig. A-804. Full Size of No. 150



Numbers.	Tumblers.		Malleable Iron.	Per dozen
104		2 Keys. Weight 2 lbs. per dozen		$ 8 20
106		2 " 6 " "		9 00
108		2 " 10 " "		11 00
110		2 " 13 " "		13 00
112		2 " 19 "		19 50
114		2 " 30		30 00
			Wrought Iron. Hand Made	
150	8	2 Keys. Weight 13 lbs. per dozen		$15 00
152	10	2 " 19 " " "		18 00
154	12	2 " 28 " "		22 50
156	14	2 " 32 " "		27 50
158	16	2 " 52 "		35 00

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"The Tiger" Padlocks.

Fig. A-825.

Handsome in Finish and of the Most Durable and Reliable Construction. They are made of Wrought Steel or Brass.

Each has 2 Brass Tumblers and 2 Plated Steel Keys.

Packages contain one-half dozen with 6 changes

No. **76.** Steel, Dark Finish, 2 Inch . . . . . Per dozen, **$3 00**
No. **77.** Brass, Bright Finish, 2 Inch . . . . . " **4 00**

Brass.

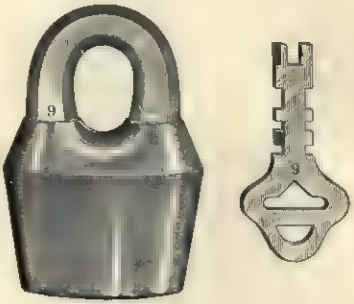


Fig. A-826

No **1892.** Size 2 Inches, All Brass, Spring, 2 Flat Steel Keys . . . . . Per dozen, **$5 00**

Fig A-827

No. **999.** Solid Gun Metal, 2 Flat Steel Keys, Per dozen, **$8 00**

"Horseshoe" Pattern

Bronze Metal Spring Padlocks.

Fig. A-828. No. 610.

No. **610.** Size 2¼ Inch, 2 Flat Steel Keys, per dozen, **$7 50**

All the above cuts are full size. Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Little Giant Padlocks.

Fig. A-829.
Full Size Cut.

No	Description.	Per dozen
400	Brass, with Chain 12 Inches Long	$5 50
403	Nickel Plated, with Chain 12 Inches Long	7 00
7050	Bronze Metal, with Chain	3 20
7060	Bronze Metal, Nickel Plated with Chain	3 70

Padlocks.

Fig. A-830.
Full Size Cut.

No	Description.	Per dozen.
500	Nickel Steel Spring Padlock, with 2 Flat Polished Steel Keys, Body of Lock Bower Barffed Finish, with Polished Shackle	$3 00
303	2 Flat Polished Steel Keys, Aluminum Bronze	3 00

Packed one-half dozen in a box.

A. C. BARTLETT'S OHIO FANCY PLANES.

TOOTH AND MITRE.

No. 38

No. 36 –Tooth, 2⅛ in. cast steel iron, each $1.00
No. 38½–Mitre, smooth shape, 1¾ in., single iron, each .75

ONE IN A PACKAGE.

DADO.

No. 62–Screw stop, ¼, ⅜, ½, ⅝, ¾, ⅞ and 1 in., each $1 50

ONE IN A PACKAGE.

FILLETSTER.

No. 63

No. 66–With cutter, each $1 25
No. 67–With cutter, and brass side stop, " 1.40
No. 68–With cutter, and brass side stop, boxed, each 1.85
No. 69–With cutter, and brass screw stop, boxed, each 2.50

ONE IN A PACKAGE.

NOSING.

No. 113–Nosing step, 2 irons, ⅞, 1, 1⅛ and 1¼ in., each $1 10
No. 113–Nosing step, 2 irons, 1⅜ and 1½ in., " 1.20
No. 113–Nosing step, 2 irons, 1¾ and 2 in., " 1.50

ONE IN A PACKAGE.

MATCH.

One Pair No. 99.

No. 99 Board match, ½, ⅝, ¾, ⅞, 1 in., per pair $1.50
No. 99–Board match, twin, ½, ⅝, ¾, ⅞ in., " 1.50
No. 99–Board match, twin, 1 in., " 1.50

ONE PAIR IN A PACKAGE.

One Pair No. 101

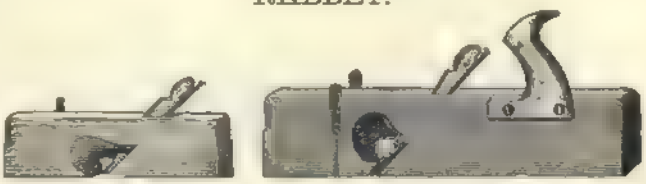
No. 101–Board match, with solid handles, ¾, ⅞, 1 in., per pair $2 25
No. 102 Board match, with solid handles, plated, ¾, ⅞, 1 in., per pair 2 50

ONE PAIR IN A PACKAGE.

No. 106 Plank match, with screw arms, to work grooves, per pair $3.75

ONE PAIR IN A PACKAGE.

RABBET.



No. 146. No. 149. Side Handle.

No. 146 Skew rabbet, ½, ⅝, ¾, ⅞, 1 in., each $0 60
No. 146–Skew rabbet, 1¼ in., " .65
No. 146–Skew rabbet, 1½ in., " 70
No. 146 Skew rabbet, 1¾ in., " 80
No. 146–Skew rabbet, 2 in., " 90
No. 149–Jack rabbet, with center handle and 2 cutters, 1¼, 1½, 1¾, 2 in., each 1 70
No. 149–Jack rabbet, with handle on side, 1¼, 1½, 1¾, 2 in., each 1.90

ONE PAIR IN A PACKAGE

BAILEY'S ADJUSTABLE BENCH PLANES.

WOOD.

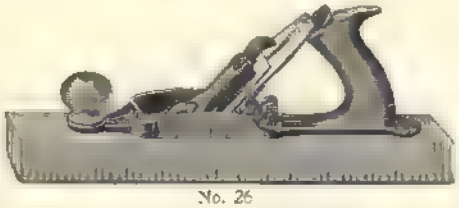
No. 21–Smooth, 7 in. long, 1¾ in. cutter, each $2 00
No. 22 Smooth, 8 in. long, 1¾ in. cutter, " 2.00
No. 23–Smooth, 9 in. long, 1¾ in. cutter, " 2.00
No. 24–Smooth, 8 in. long, 2 in. cutter, " 2.00
No. 25 Block, 9½ in. long, 1¾ in. cutter, " 2.00

ONE IN A BOX.

No. 35.

No. 35–Handled smooth, 9 in. long, 2 in. cutter, each - - - - - - - - - - - - - - - $2.50
No. 36–Handled smooth, 10 in. long, 2⅜ in. cutter, each - - - - - - - - - - - - - - - 2.75
No. 37–Jenny smooth, 13 in. long, 2⅝ in. cutter, each - - - - - - - - - - - - - - - 3.00

ONE IN A BOX.



No. 26

No. 26–Jack, 15 in. long, 2 in. cutter, - each $2.25
No. 27–Jack, 15 in. long, 2⅛ in. cutter, - " 2 50
No. 28 Fore, 18 in. long, 2⅜ in. cutter, - " 2.75
No. 29–Fore, 20 in. long, 2⅜ in. cutter, - " 2.75
No. 30–Jointer, 22 in. long, 2⅜ in. cutter, " 3.00
No. 31–Jointer, 24 in. long, 2⅜ in. cutter, " 3.00
No. 32–Jointer, 26 in. long, 2⅝ in. cutter, " 3.25
No. 33–Jointer, 28 in. long, 2⅝ in. cutter, " 3.25
No. 34–Jointer, 30 in. long, 2⅝ in. cutter, " 3 50

ONE IN A BOX.

The improved form of plane iron furnished on all Bailey and Stanley bench planes renders it unnecessary to detach the cap iron at any time, as the connecting screw will slide back to the extreme end of the slot in the plane iron, without the danger of falling out. The screw may then be tightened by a turn with thumb and finger, and the cap iron will serve as a convenient handle, or rest, in whetting or sharpening the cutting edge of the plane iron.

IRON.

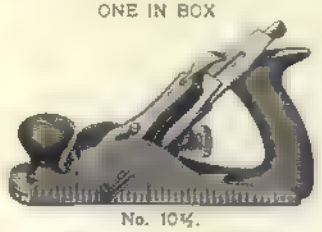
No. 1 –Smooth, 5½ in. long, 1¼ in. cutter, each $2.25
No. 2 –Smooth, 7 in. long, 1⅝ in. cutter, " 2.75
No. 3 –Smooth, 8 in. long, 1¾ in. cutter, " 3.00
No. 4 –Smooth, 9 in. long, 2 in. cutter, " 3.25
No. 4½–Smooth, 10 in. long, 2⅜ in. cutter, " 3.75

ONE IN A BOX

No 6.

No. 5 –Jack, 14 in. long, 2 in. cutter, - each $3.75
No. 5½–Jack, 15 in. long, 2⅜ in. cutter, - " 4.25
No. 6 –Fore, 18 in. long, 2⅜ in. cutter, - " 4.75
No. 7 –Jointer, 22 in. long, 2⅜ in. cutter, " 5.50
No. 8 –Jointer, 24 in. long, 2⅝ in. cutter, " 6.50

ONE IN BOX



No. 10½.

No. 10½–Carriage makers' rabbet, 9 in. long, 2⅝ in. cutter, - - - - - - - - - each $3.75
No. 10–Carriage makers' rabbet, 13 in. long, 2⅛ in. cutter, - - - - - - - - - each 4 50

ONE IN A BOX

CORRUGATED BOTTOM, IRON.

No. 3C –Smooth, 8 in. long, 1¾ in. cutter, each $3.00
No. 4C –Smooth, 9 in. long, 2 in. cutter, " 3 25
No. 4½C–Smooth, 10 in. long, 2⅜ in. cutter, " 3.75
No. 5C –Jack, 14 in. long, 2 in. cutter, " 3.75
No. 5½C–Jack, 15 in. long, 2⅜ in. cutter, " 4.25
No. 6C –Fore, 18 in. long, 2⅜ in. cutter, " 4.75
No. 7C –Jointer, 22 in. long, 2⅜ in. cutter, " 5 50
No. 8C –Jointer, 24 in. long, 2⅝ in. cutter, " 6 50

ONE IN A BOX.

Orders for plane irons should designate the number of the planes for which they are wanted.

STANLEY'S ADJUSTABLE BENCH PLANES.

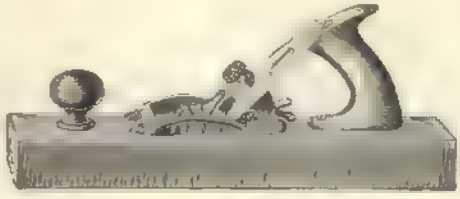
WOOD.

No. 122 Smooth, 8 in. long, 1¾ in. cutter, each $1.50

ONE IN A BOX.

No. 135–Handled smooth, 10 in long, 2⅛ in. cutter, - - - - - - - - - - - - each $2 00

ONE IN A BOX.



No. 127.

No. 127–Jack, 15 in. long, 2⅛ in. cutter, each $2 00
No. 129 Fore, 20 in. long, 2⅜ in. cutter, " 2.25
No. 132–Jointer, 26 in. long, 2⅝ in. cutter, " 2.50

These planes are adjusted by a lever, and are especially adapted for working on soft woods.

ONE IN A BOX.

CIRCULAR.

No. 113–Adjustable, 1¾ in. cutter, - - - each $4.00

This plane has a flexible steel face, which can be easily shaped to any required arc, either concave or convex, by turning the knob on the front of the plane.

ONE IN A BOX.

WROUGHT STEEL.

No. 104–Smooth, 9 in. long, 2⅛ in. cutter, each $2.75

ONE IN A BOX.

No. 105–Jack, 14 in. long, 2⅛ in. cutter, each $3.50

Planes Nos. 104 and 105 have a wrought steel stock, and are adjusted by a lever. They are commended for their lightness and the ease with which they can be worked.

ONE IN A BOX.

No. 40–Improved scrub, iron stock, 9½ in. long, 1¼ in. cutter, - - - - - - - - each $1.00

This tool has a single iron with cutting edge rounded and is particularly adapted for roughing down work before using Jack or other planes.

ONE IN A BOX.

CIRCULAR.

No. 20–Adjustable, nickel plated, 1¾ in. cutter, each - - - - - - - - - - - - - - - - $6 00

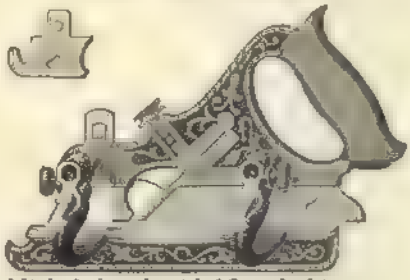
This plane is an improved form of the Victor adjustable plane, and is furnished with latest adjustments, both longitudinal and lateral, together with "Stanley's patent improved plane irons."

ONE IN A BOX

Orders for plane irons should designate the numbers of the planes for which they are wanted.

PATENT ADJUSTABLE PLANES.

STANLEY'S BULL-NOSE PLOW AND MATCHING.

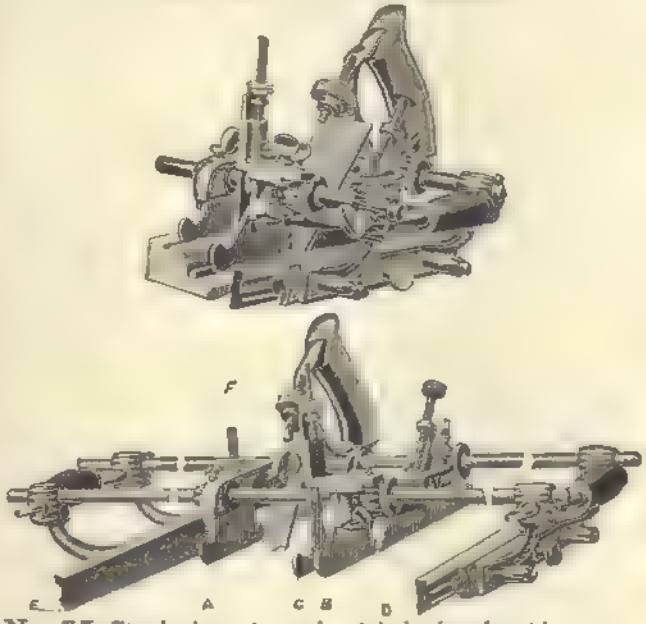


No. 143–Nickel plated, with 10 tools, bits, etc., each $5.00
No. 141–Nickel plated, with 10 tools and a filletster, each - - - - - - - - - - - - - - - - 7.00

Two interchangeable front parts go with this tool. The form shown above is that of a bull-nose plow, and the cutter will easily work up to and into a ⅜ inch hole, or any larger size—as in sash fitting, stair-work, etc. With the other front on, it takes the ordinary form of a plow, and is adapted to all regular uses.

With each tool eight plow bits (⅛, $\frac{3}{16}$, ¼, $\frac{5}{16}$, [illegible], ⅜ and ½ in.), a filletster cutter and a slitting blade, are furnished; also a tonguing tool (¼ in.). ONE IN A BOX.

STANLEY'S UNIVERSAL.



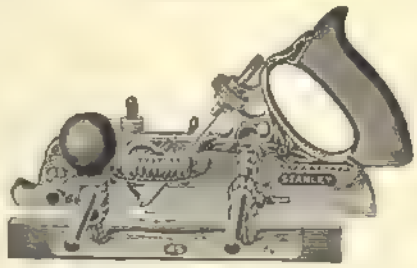
No. 55–Stanley's universal, nickel plated, with 52 tools, bits, etc., arranged in four separate cases, - - - - - - - - - - - - each $16 00

This tool in the hands of an ordinary carpenter can be used for all lines of work covered by a full assortment of so-called fancy planes.

This plane consists of: A main stock (A) with two sets of transverse sliding arms, a depth gauge (F) adjusted by a screw, and a slitting cutter with stop. A sliding section (B) with a vertically adjustable bottom. The auxiliary center bottom (C) is to be placed in front of the cutter, as an extra support, or stop, when needed. This bottom is adjustable both vertically and laterally. Fences (D) and (E). Fence D has a lateral adjustment by means of a screw, for extra fine work. The fences can be used on either side of the plane, and the rosewood guides can be tilted to any desired angle, up to 45°, by loosening the screws on the face. Fence E can be reversed for center beading wide boards. An adjustable stop to be used in beading the edges of matched boards is inserted on left side of sliding section (B).

ONE IN A NEAT WOOD BOX.

STANLEY'S PATENT ADJUSTABLE BEADING.



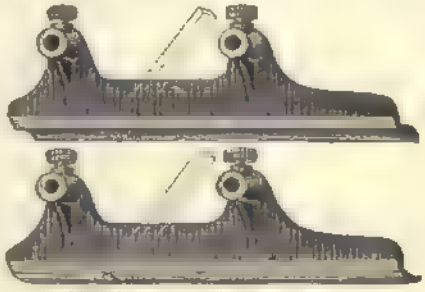
No. 45–Nickel plated stock, with 20 tools, embracing beading and center beading plane, rabbet and filletster, dado, plow, matching plane, sash plane, and a superior slitting plane, - - - - - - - - - - - - each $8.00

Each plane has seven beading tools ($\frac{3}{16}$, $\frac{5}{16}$, ¼, $\frac{7}{16}$, $\frac{9}{16}$, $\frac{7}{8}$ and ½ in.), ten plow and dado bits ($\frac{1}{16}$, $\frac{3}{16}$, ¼, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, ½, $\frac{5}{16}$, ¾ and ⅞ in.), a slitting blade, a tonguing tool and a sash tool, removable rosewood fence.

In the new model many changes have been made; has twenty tools and is set up to assist retail dealers

ONE IN A WOOD BOX.

STANLEY'S HOLLOWS AND ROUNDS.



For Use on No. 45 Plane.

No. 6 [illegible] in. cutter, works ¾ in. circle, per pair $1.40
No. 8 [illegible] in. cutter, works 1 in. circle, " 1.40
No. 10 [illegible] in. cutter, works 1¼ in. circle, " 1.40
No. 12 1 in. cutter, works 1½ in. circle, " 1.40

ONE PAIR IN A BOX.

TRAUT'S ADJUSTABLE DADO, PLOW, ETC.

No. 46–Nickel plated, with 11 bits, including plow bits, slitting and tonguing tools, - - - each $7.00
No. 47–Nickel plated, with 6 bits (⅜, ½, ⅝, ¾, ⅞ and 1¼ in.) and slitting tool, - - - each 4.00

The No. 46 is accompanied by eight plow and dado bits ($\frac{1}{16}$, ¼, $\frac{5}{16}$, [illegible], ⅝, ⅞ and 1¼ in.), a filletster cutter, a slitting blade, and a tonguing too. All, except the slitting blade, are secured in the main stock on a skew. ONE IN A BOX.

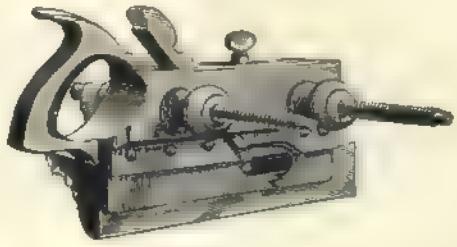
A. C. BARTLETT'S OHIO FANCY PLANES.

TABLE.

No. 176–With gauge, dovetailed, boxed, ¼ and ⅝ in., - - - - - - - - - - - - per pair $1.75

ONE PAIR IN A PACKAGE.

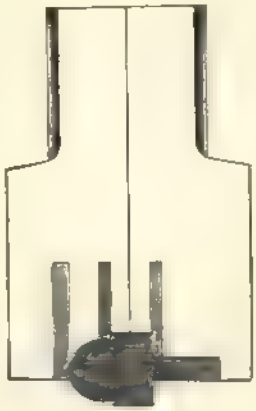
PANEL PLOWS.



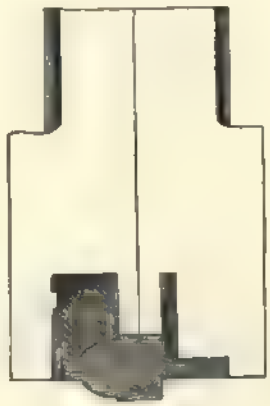
No. 117–Beech, 8 irons, screw stop, - each $ 5.50
No. 119 Beech, 8 irons, screw stop, with handle, - - - - - - - - - - - - - each 6 50
No. 120 Beech, 8 irons, screw stop, with handle, boxed fence, - - - - - - - - each 6 35
No. 123 Beech, 8 irons, boxwood arms, with handle, - - - - - - - - - - - - each 7.75
No. 124–Beech, 8 irons, boxwood arms, with handle, boxed fence, - - - - - - - each 8.00
No. 125–Applewood, 8 irons, screw stop, with handle, boxed fence, - - - - - - - each 7.75
No. 132 Box or rosewood, 8 irons, with handle, each - - - - - - - - - - - - - - - 10 00
No. 133–Box or rosewood, 8 irons, with handle, ivory tipped, - - - - - - - - - - each 11.00

ONE IN A BOX.

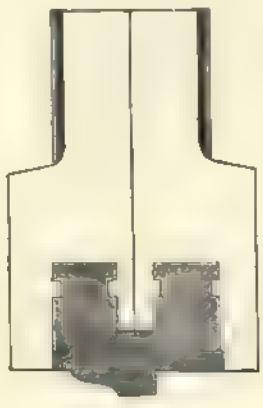
SASH.



No. 167. Gothic.



No. 168. Ovolo.



No. 169. Ogee.

No. 167–Screw arms, self-regulating, boxed, gothic, - each $2.00
No. 168–Screw arms, self regulating, dovetailed, boxed, ovolo, - - - - - - - - - - - - - - - - - " 2.25
No. 169–Screw arms, self-regulating, dovetailed, boxed, ogee, - - - - - - - - - - - - - - - - - " 2.25

ONE IN A PACKAGE.

A. C. BARTLETT'S OHIO FANCY PLANES.

HOLLOWS AND ROUNDS.

Hollow.

Round.

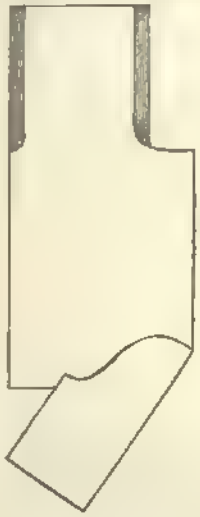
No.	1	2	3	4	5	6
Inches	1/4	3/8	1/2	5/8	3/4	7/8
Per pair	$1 00	1 00	1 00	1 00	1 00	1 0[illegible]

No.	7	8	9	10	11	12
Inches,	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8
Per pair	$1 15	1 15	1 15	1 35	1 35	1 35

Set of nine pairs, one pair each Nos 1 to 9 inclusive, - - - - - - - - per set $9 45

ONE IN A PACKAGE.

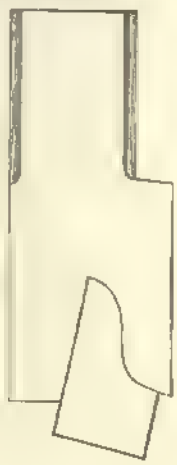
ROMAN OGEE.



No 76.

ROMAN REVERSE OGEE.

No. 82



No 62½

No. 76 –Roman ogee, 1/8 in., - - - - - each $0 75
No. 76 Roman ogee, 3/8, 1/2, 7/8 and 1 in - - - - 85
No. 76 –Roman ogee, 1¼ in., - - - - - " 1.00
No. 76 –Roman ogee 1½ in., - - - - - " 1 15
No. 82 Roman reverse ogee, 1/2 and 5/8 in., - - " 75
No. 82 –Roman reverse ogee, 3/4, 7/8, 1 in., " .85
No. 82 Roman reverse ogee 1¼ in., - - - - 1 00
No. 82 Roman reverse ogee, 1½ in., - - - - 1 15
No. 82½ Roman reverse ogee, with fence, 7/8 in., each - - - - - - - - - - - - - - 90

ONE IN A PACKAGE.

BEAD.

No. 47.

No 5

No. 47 Side, single boxed, 1/8, 1/4, 3/8 and 1/2 in., - - - - - - - - - each $0 50
No. 47 Side, single boxed, 5/8 and 3/4 in., - - " .55
No. 47 Side, single boxed, 7/8 and 1 in., - - " .70
No. 47 Side, single boxed, 1¼ in., - - - .90
No. 47 Side, single boxed, 1½ in., - - - - " 1.00
No. 51 Center, double boxed, 1/8, 1/4, 3/8, 1/2, 5/8 and 1/2 in., - - - - - - - - - each 60
No. 51 Center, double boxed, 5/8 and 3/4 in., " .65
No. 51 Center, double boxed, 7/8 in., - - - " .80

ONE IN A PACKAGE.

SCOTIA.

No 54.

COVE.

No 53

CASING MOULDING.

No 54¾

No. 54 Scotia, or quarter round, 5/8 in., each $0 50
No. 54 Scotia, or quarter round, 3/4, 7/8 and 1 in., - - - - - - - - - - - each .65
No. 53 Cove, 5/8 and 3/4 in., - - - - - 50
No. 53 Cove 7/8 and 1 in - - - - - 65
No. 54¾ Casing moulding, with fence, 7/8 in., to work on edge, - - - - - - - - each 90

ONE IN A PACKAGE

PATENT BLOCK PLANES.

BAILEY'S.

No. 60–Low angle, 6 in. long, 1¼ in. cutter, each $1.50
No. 65–Low angle, 7 in. long, 1¾ in. cutter, " 1.75

ONE IN A BOX.

With Throat and Lateral Adjustment.

No. 9½–6 in. long, 1¾ in. cutter, - - - each $1.50
No. 15 –7 in. long, 1¾ in. cutter, - - " 1.60

ONE IN A BOX.

With Throat and Lateral Adjustment.

No. 16–Nickel trimmings, 6 in. long, 1¾ in cutter, - - - - - - - - - - - each $1.65
No. 17–Nickel trimmings, 7 in. long, 1¾ in. cutter, - - - - - - - - - - - each 1.75

ONE IN A BOX

With Throat and Lateral Adjustment.

No. 9¾ Rosewood handle, 6 in. long, 1¾ in. cutter, - - - - - - - - - - - each $1 75
No. 15¾-Rosewood handle, 7 in. long, 1¾ in cutter, - - - - - - - - - - - each 1.85

ONE IN A BOX.

With Throat and Lateral Adjustment.

No. 18–Knuckle joint, nickel trimmings, 6 in. long, 1¾ in cutter, - - - - - - - each $1.75
No. 19–Knuckle joint, nickel trimmings, 7 in. long, 1¾ in. cutter, - - - - - - - each 1.85

The knuckle joint in the cap makes it a lever, too, and placing the cap in position, will also clasp the cutter securely in its seat.

ONE IN A BOX.

STANLEY'S.

No. 101–3½ in. long, 1 in. cutter, - - - each $0.20

ONE IN A BOX.

No. 103.

No. 102–5½ in. long, 1¼ in. cutter, - - each $0.40
No. 103–Adjustable, 5½ in. long, 1¼ in. cutter, each - - - - - - - - - - - - - - - .60

ONE IN A BOX.

No. 110–7½ in. long, 1¾ in. cutter, - - each $0.60

ONE IN A BOX

No. 220–Adjustable, 7½ in. long, 1¾ in. cutter, each - - - - - - - - - - - - - $0.85

ONE IN A BOX.

No. 130–Double-ender, 8 in. long, 1¾ in. cutter, each - - - - - - - - - - - - - - $0.80

This plane has two slots and two cutter seats. It can be used as a block plane, or, by reversing the position of the cutter and the clamping wedge (see dotted lines in the engraving), it can be used to plane close up into corners, or other difficult places.

ONE IN A BOX.

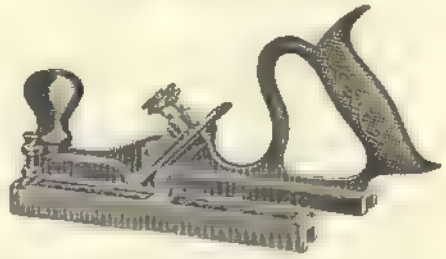
No. 75–Bull-nose rabbet, iron stock, 4 in. long, 1 in. cutter, - - - - - - - - - - each $0.50

ONE IN A BOX.

Orders for plane irons should designate the numbers of the planes for which they are intended

PATENT ADJUSTABLE PLANES.

STANLEY'S ADJUSTABLE TONGUING AND GROOVING.



No. 48–Nickel plated stock and fence, for ¾ to 1¼ in. boards, including tonguing and grooving tools, - - - - - - - - - - - - each $2.50

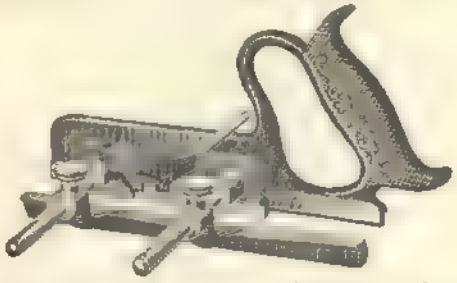
No. 49–Nickel plated stock and fence, for ⅜ to ¾ in. boards, including tonguing and grooving tools, - - - - - - - - - - - - each 2.50

These planes have two separate cutters a suitable distance apart. When the guide or fence is set as shown above, both cutters work and a tongue can be made.

The fence is hung on a pivot, and can be swung around, end for end. This movement covers one of the cutters, and also furnishes a guide for grooving an exact match for the tongue.

ONE IN A BOX.

STANLEY'S ADJUSTABLE BEADING.



No. 50 Nickel plated stock and fence, with ⅛, ⅛, ¼, ⅜, ⅜, ½ and ½ in. cast steel bits, each $4.00

By adjustment of the fence, center beading can be done up to 5 in. from the edge of the board. Except for working across the grain, the spurs need not be used.

ONE IN A BOX.

STANLEY'S DUPLEX RABBET AND FILLETSTER.

No. 78–Iron stock and fence, 8½ in. long, 1½ in cutter, - - - - - - - - - - - - each $1.50

Remove the arm to which the fence is secured, and a handled rabbet plane is had, and with two seats for the cutter, so that the tool can be used as a bull nose rabbet if required.

The arm to which the fence is secured can be screwed into either side of the stock, thus making a superior right or left hand filletster with adjustable spur and depth gauge.

ONE IN A BOX.

STANLEY'S IMPROVED RABBET.

No. 180–Iron stock, 8 in. long, 1⅛ in. wide, each $1.00
No. 181–Iron stock, 8 in. long, 1¼ in. wide, " 1.00
No. 182–Iron stock, 8 in. long, 1 in. wide, " 1.00
No. 190–Iron stock, 8 in. long, 1⅛ in. wide, with spur, - - - - - - - - - - - - each 1.15
No. 191–Iron stock, 8 in. long, 1¼ in. wide, with spur, - - - - - - - - - - - - each 1.15
No. 192–Iron stock, 8 in. long, 1 in. wide, with spur, - - - - - - - - - - - - each 1.15

This plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

ONE IN A BOX.

STANLEY'S ADJUSTABLE CHAMFER.

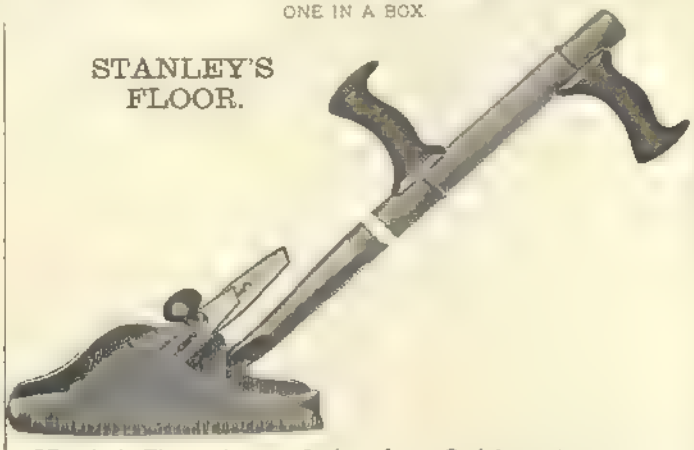
No. 72–Iron stock, 9 in. long, 1⅝ in. cutter, each - - - - - - - - - - - - - - - $2.00

No. 72½–Same as No. 72, with beading and moulding attachment, including 6 cutters, sharpened at both ends, - - - - - - each 3.00

The front section of these planes is movable up and down. It can be firmly secured to the rear section at any desired point by means of a thumb screw. Without the use of any guide, these planes will do perfect chamfer or stop-chamfer work [illegible].

ONE IN A BOX.

STANLEY'S FLOOR.



No. 74–Floor plane, 10½ in. long, 2⅝ in. cutter, each - - - - - - - - - - - - - - - $4.50

This tool will be found useful for planing floors, bowling alleys, skating rinks, decks of vessels, etc. The weight of the plane is about 10 lbs., and the full length of the handle 45 in.

ONE IN A WOOD BOX.

PLANES, BEADERS AND SCRAPERS.

SIDE RABBET PLANES.

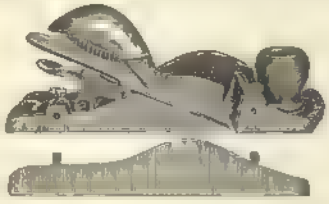
No. 98–Stanley's, nickel plated, 4 in. long, right hand, - - - - - - - - - - - - each $0.90

No. 99–Stanley's nickel plated, 4 in. long, left hand, - - - - - - - - - - - - each .90

Convenient tools for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give each tool a form by which it will work close up into corners when desired.

ONE IN A BOX.

RABBET AND BLOCK PLANES.

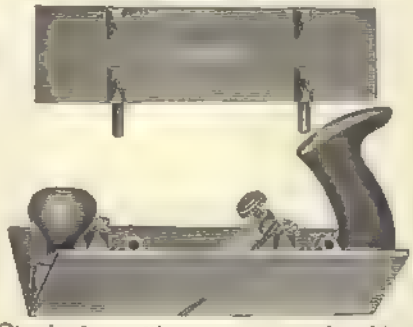


No. 140–Stanley's, with detachable side, 7 in. long, 1¾ in. cutter, - - - - - - - - each $1.25

A detachable side will easily change this tool from a block plane to a rabbet plane and vice versa. The cutter is set on a skew.

ONE IN A BOX

CORE-BOX PLANES.



No. 57–Stanley's, with one pair of additional sections, for semi-circles, up to 5 in. in diameter, - - - - - - - - - - - - - each $3.00

Additional Sections, 2½ in. wide, - per pair 1.00

A tool much needed by pattern-makers, wheelwrights and others, for planing out semi-circles.

This plane is constructed so that the sides can be extended by additional sections, 2½ in. wide, until a diameter of 10 in. can be worked, if desired.

ONE IN A BOX.

HAND BEADERS.

No. 66–Stanley's universal, nickel plated stock, with 7 steel cutters, - - - - - - - each $1.00

ONE IN A BOX

VENEER SCRAPERS.

No. 12–Bailey's adjustable, 3 in. cutter, - each $3.50

ONE IN A BOX

SCRAPER PLANES.

No. 112 Stanley's adjustable 9 in. long 3 in. cutter, - - - - - - - - - - - - each $3.00

Cutters, for veneer scraping, - - - - - - - " .25

Cutters, for toothing, Nos. 22, 28, 32 (22, 28 or 32 teeth per in.), - - - - - - - - each .35

This tool, by its peculiar construction, can be used for scraping and finishing veneers, cabinet work or hardwoods in any form or it can be used equally well as a tooth plane.

ONE IN A BOX.

CABINET SCRAPERS.

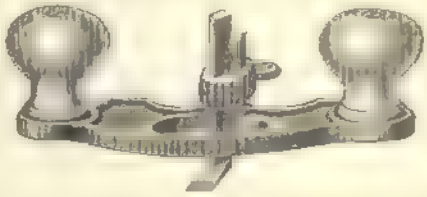
No. 1–Cast steel, polished, 2½×5 in., - per doz. $1.50

No. 2–Cast steel, polished, 4×6 in., - " 2.65

No. 3–Cast steel, polished, 3×6 in., - " 1.75

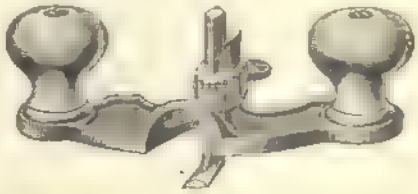
ONE DOZEN IN A BOX

ROUTER PLANES.



No. 71½–Nickel plated, closed throat, ¼ and ½ in. steel bits, - - - - - - - - - each $1.25

ONE IN A BOX



No. 71–Nickel plated, open throat, ¼ and ½ in. steel bits, - - - - - - - - - - - each $1.50

ONE IN A BOX

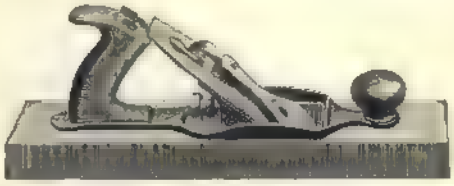
DERBY ADJUSTABLE BENCH PLANES.

WOOD.

No. 35.

No. 21 Smooth, 7 in. long, 1¾ in cutter, each $2 00
No. 22 Smooth, 8 in. long, 1¾ in cutter, " 2 00
No. 23 Smooth, 9 in. long, 1¾ in cutter, " 2 00
No. 24 Smooth, 8 in. long, 2 in cutter, " 2 00
No. 35 Handled smooth, 9 in. long, 2 in cutter, " 2 50
No. 36 Handled smooth, 10 in., 2⅜ in cutter, 2 75

ONE IN A PACKAGE.

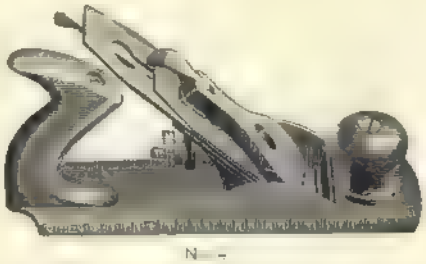


No. 26.

No. 26–Jack, 15 in. long, 2 in. cutter, each $2.25
No. 27–Jack, 15 in. long, 2⅜ in. cutter, " 2.50
No. 28–Fore, 18 in. long, 2⅜ in. cutter, " 2.75
No. 29 Fore, 20 in. long, 2⅜ in. cutter " 2 75
No. 30–Jointer, 22 in. long, 2⅜ in. cutter, " 3 00
No. 31 Jointer, 24 in. long, 2⅜ in. cutter, " 3 00
No. 32 Jointer, 26 in. long, 2⅝ in. cutter, " 3 25
No. 33 Jointer, 28 in. long, 2⅝ in. cutter, " 3 25
No. 34–Jointer, 30 in. long, 2⅝ in. cutter, " 3 50

ONE IN A PACKAGE

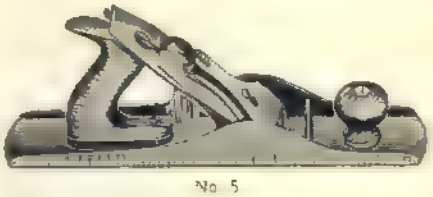
IRON.



No. 4.

No. 3 Smooth, 8 in. long, 1¾ in. cutter, each $3 00
No. 4 Smooth, 9 in. long, 2 in. cutter, " 3.25
No. 4½ Smooth, 10 in. long, 2⅜ in. cutter, adjustable front, each 3.75

ONE IN A BOX.



No. 5

No. 5 Jack, 14 in. long, 2 in. cutter, each $3.75
No. 6–Fore, 18 in. long, 2⅜ in. cutter, " 4 75
No. 7 Jointer, 22 in. long, 2⅜ in. cutter " 5 50
No. 8–Jointer, 24 in. long, 2⅝ in. cutter, " 6 50

ONE IN A BOX.

DERBY BLOCK PLANES.

No. 110

No. 101–Toy, 3 in. long, 1 in. cutter, each $0.20
No. 102 Block, 5½ in. long, 1¾ in. cutter, " .40
No. 110 Block, 7 in. long, 1¾ in. cutter, .60

Nos. 101, 6 BALANCE ONE IN A BOX.

No. 120.

No. 103–Adjustable block, 5½ in. long, 1¼ in. cutter, each $0 60
No. 120–Adjustable block, 7 in. long, 1¾ in. cutter, each .85

ONE IN A BOX.

No. 9½

No. 9½–Block, 6 in. long, 1¾ in. cutter, each $1 50
No. 15 Block, 7 in. long, 1¾ in. cutter, " 1 60

ONE IN A BOX.

No. 9¾–Block, wood handle, 6 in. long, 1¾ in. cutter, each $1.75

ONE IN A BOX

Orders for plane irons should designate the number of the planes for which they are wanted.

PLANE IRONS.

A. C. BARTLETT'S OHIO.

Cut.

Inches,	1¾	1⅞	2	2⅛	2¼
Per dozen	$2.25	2.38	2.50	2.63	2.88
Inches,	- - -	2⅜	2½	2⅝	2¾
Per dozen	- - -	$3.13	3.38	3.63	4 00

Double.

Inches,	1¾	1⅞	2	2⅛	2¼
Per dozen	$4 00	4.00	4.13	4.25	4 50
Inches,	- - -	2⅜	2½	2⅝	2¾
Per dozen	- - -	$4.75	5.25	5.50	6.50

CUT, ONE DOZEN DOUBLE, HALF DOZEN IN A BOX.

PLOW BITS.

No. 8 Sets of 8, ⅛ to ⅝ in., for wood plows, per set - - - - - - - - - - - - - - - $1 80

No. 45 New bits complete for No. 45 Stanley's plane, including 7 beading, 10 plow and dado bits, slitting blade and tonguing tool and a sash tool, - - - - - - - - - - per set 3 50

TOOTH.

For No. 36 Tooth Planes.

Inches,	2	2⅛	2¼
Each	$3.00	3.50	3.75

BAILEY'S AND STANLEY'S.

Bailey's Cut.

Inches,	1⅝	1¾	2	2⅛	2⅜	2⅝
Each	$0.25	.28	.30	.33	.37	.40

Bailey's Double.

Inches,	1¾	2	2⅛	2⅜	2⅝
Each	$0.50	.55	.60	.65	.70

Stanley's Cut.

Inches,	1¾	2⅛	2⅜	2⅝
Each	$0 28	.33	.37	.40

Stanley's Double.

Inches,	1¾	2⅛	2⅜	2⅝
Each	$0 50	60	.65	.70

CUT ONE DOZEN DOUBLE HALF DOZEN IN A BOX

BLOCK.

1⅝ in. Irons for Bailey's block planes Nos 9½, 9¾, 15, 15½, 16, 17, 18 and 19, - each $0 20

1⅝ in. Irons for Stanley's block planes Nos 110, 120 and 130 - - - - - - - - each .17

Extra Caps and Screws for Stanley's block planes Nos. 110, 120 and 130, - - each .25

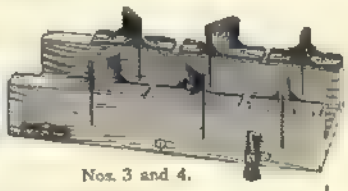
Extra Caps and Levers for Bailey's block planes Nos. 9½, 9¾, 15, 15½, 18 and 19, each .25

Always give number of plane in ordering.

MITRE BOXES.

OLMSTED'S IMPROVED.

Nos. 1 and 2.



Nos. 3 and 4.

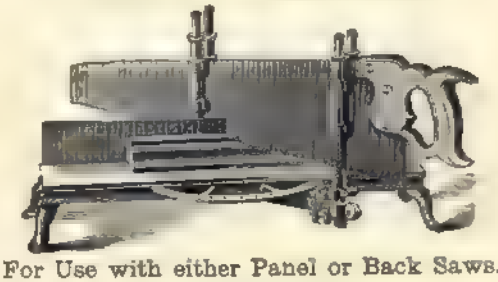
Hardwood, Oiled, Iron Guides.

No.	1	2	3	4
For wood, in.,	1½×3	2½×4	1½×3	2½×4
Each - -	$1.00	1.50	1.25	1.75

The guides can be adjusted to any thickness or pattern of saw, the frame cannot be cut away.

TWO IN A BOX.

STANLEY'S IMPROVED.

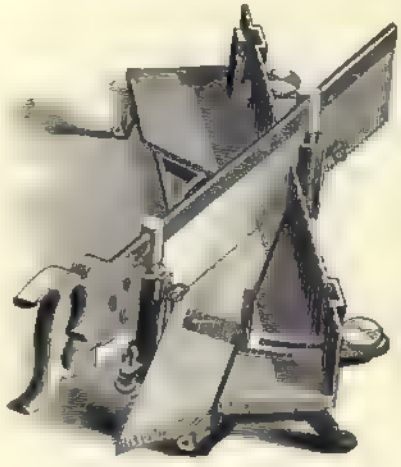


For Use with either Panel or Back Saws.

No. 50–Length 20 in., without saw, - - each $7.00

ONE IN A BOX.

NEW LANGDON, IMPROVED.



Complete with Disston's No. 6 Saw.

No.	27	28	29	34
Saw, inches.,	20×4	22×4	24×4	28×5
Each - - -	$9.50	10.00	10.50	14.00

The new Langdon mitre box cuts by using the circular arms or guides from right angles to 73 degrees on 2½ in. material, varying more or less with the width.

ONE IN A BOX.

A. C. BARTLETT'S OHIO BENCH PLANES.

No. 3.

No. 5.

Warranted Irons, Polished Lignum-vitæ Start.

No. 3–Smooth, 2 to 2¼ in., double irons, 8 in. long, ... each $0 90
No. 5–Handled smooth, 2 to 2¼ in., double irons, 10½ in. long, ... " 1.75

36 IN A CASE

Warranted Irons, Polished Lignum-vitæ Start.

No. 10–Jack, 2 to 2¼ in., single irons, 16 in. long, ... each $0.85
No. 13–Jack, 2 to 2¼ in., double irons, 16 in. long, ... " 1.00

36 IN A CASE

No. 19.

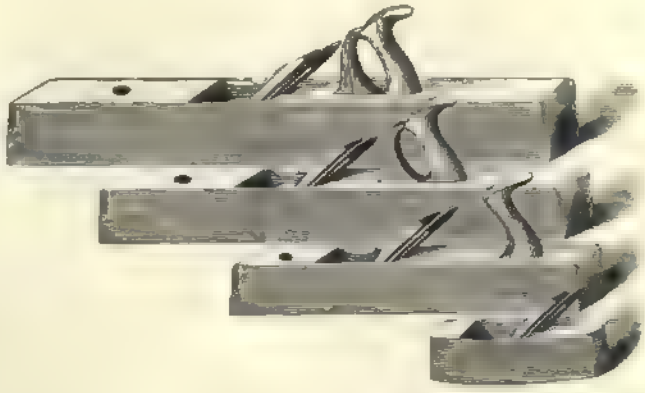
No. 25.

Warranted Irons, Polished Lignum-vitæ Start.

No. 19–Fore, 2⅜ to 2½ in., double irons, 22 in. long, ... each $1 40
No. 25–Jointer, 2½ to 2¾ in., double irons, 26 in. long, ... " 1.50
No. 25–Jointer, 2½ to 2¾ in., double irons, 28 in. long, ... " 1 60
No. 25–Jointer, 2½ to 2¾ in., double irons, 30 in. long, ... " 1.75

FORE, 24. JOINTER, 20 IN A CASE

OGONTZ.



Polished Ebony Start.

No. 6 Smooth, 2 to 2¼ in., double irons, 8 in. long, ... each $0 90
No. 12–Jack, 2 to 2¼ in., double irons, 16 in. long, ... " 1 00
No. 20–Fore, 2⅜ to 2½ in., double irons, 22 in. long, ... " 1 40
No. 30–Jointer, 2½ to 2¾ in., double irons, 26 in. long, ... " 1.50

SMOOTH, 36, JACK, 36. FORE, 24. JOINTER, 20 IN A CASE

Pocket Knives.

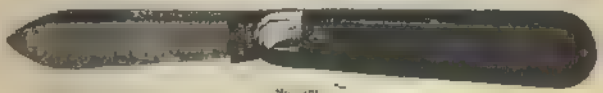
Miller Bros. Cutlery Co.'s

No. 9065

No. 9065—One Blade, Iron Handle, 3½ in. . . . . Per Dozen, $

No. 9067

No. 9067—Barlow, One Blade, Black Bone Handle, Iron Lined, 3¾ in. Per Dozen, $



No. 14041

No. 14041 One Blade, Ebony Handle, Iron Lined, Polished Steel Bolster, 3½ in., Per Dozen, $
" 14042 " " " " " " " 3¾ "

No. 9001

No. 9001 One Blade, Ebony Handle, Iron Lined, Polished Steel Bolster, 4 in., Per Dozen, $
" 9002 " " Cocoa " " " " " 4½ " "

Blade Closes in a Slot.

POCKET AND TABLE CUTLERY,

RAZORS, SCISSORS, SHEARS, ETC.

Pocket Knives.

Miller Bros. Cutlery Co.'s.

No. 1001

No. 1001—Pruning [illegible] Handle, [illegible] Per Dozen

No. 1011

No. 1011 Pruner [illegible] Handle [illegible] Nickel Steel Bolsters and Nickel Caps on Pin Per Dozen

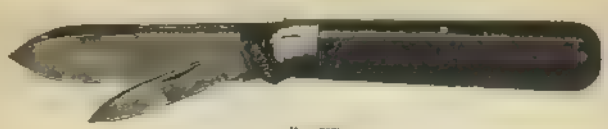
No. 4001

No. 4001—One Blade, Ebony Handle, Iron Lined, Polished Steel Bolster, 3½ in. . . Per Dozen

Half Dozen in a Box.

Pocket Knives.

Miller Bros. Cutlery Co.'s



No. 2057

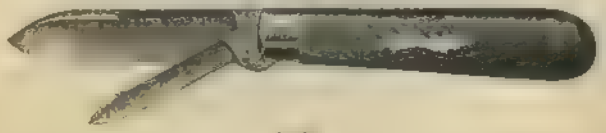
No. 13051—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 4¼ in. . . . Per Dozen $
" **13052**— " " Cocoa " " " " " 4¼ in.

No. 13051

No. 130518—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 3¾ in. . . . Per Dozen $
" **130528**— " " Cocoa " " " " " 3¾ in.

No. 9076S

No. 9076S Barlow, Two Blades, White Bone Handle, Iron Lined, Nickel Silver Bolsters, 3¾ in. . . . Per Dozen $
" **9077** " " " Cocobolo " " " " " 3¾ in.



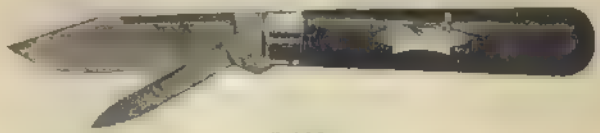
No. 9151

No. 9151—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, 3¼ in. . . . Per Dozen $
" **9152**— " " Cocoa " " " " " 3¼ in.

Half Dozen in Box.

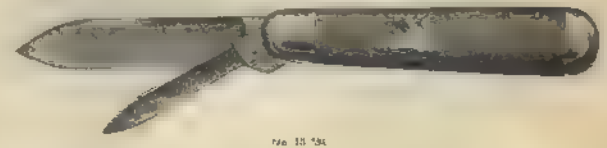
Pocket Knives.

Miller Bros. Cutlery Co.'s



No. 91518

No. 91518—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3½ in. — Per Dozen $



No. 131820

No. 131810—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3½ in., Per Dozen,
" 131820— " " Cocus " " " " " " " 3½ in., "

No. 14051

No. 14051—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 3½ in., Per Dozen $
" 14052 " Cocus " " " " " " 3½ in., "

No. 14051SP

No. 14051SP—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 3½ in., Per Dozen $
" 14052SP— " " Cocus " " " " " " 3½ in., "

TAKE DOZEN OR A BOX.

Pocket Knives.

Miller Bros. Cutlery Co.'s.

No. 2151

No. 2151 Two Blades, Ivory Handle, Brass Lined, German Silver Bolster, [illegible] in. Per Dozen $
" 2152— " " Cocoa " " " " " " "
" 2186— " " White Bone " " " " " " "

No. 21838—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster, [illegible] in. Per Dozen $

No. 3250

No. 3250— Two Blades, Cocoa Handle, Brass Lined, Polished Steel Bolster, 3½ in. Per Dozen $

No. 5118

No. 5118—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster, 3½ in. Per Dozen $

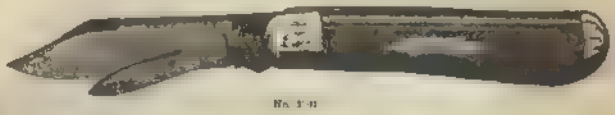
Half Dozen in a box.

Pocket Knives.

Miller Bros. Cutlery Co.'s

No. 2051.

No. 12051—Two Blades, Rhoc Handle, Iron Lined, Polished Steel Bolster and Cap, 2½ in., Per Dozen
" 12052— " " Cocoa " " " " " " " 3½ " "



No. 1[illegible]

No. 51810—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3¼ in. Per Dozen [illegible]

[illegible]

No. 12352—Two Blades, [illegible] Handle, Brass Lined, German Silver Bolsters and Cap, 3½ in., Per Dozen, [illegible]
" 12362— " " White Bone [illegible] Iron Lined, German Silver Bolsters and Cap, 3½ in. "

No. [illegible]

No. 4131—Two Blades, Ebony Handle, Iron Lined, German Silver Bolster and Cap, 3½ in., Per Dozen, [illegible]
" 4132— " " Cocoa " " " " " " " 3½ in., " "

Half Dozen in a Box.

Pocket Knives.

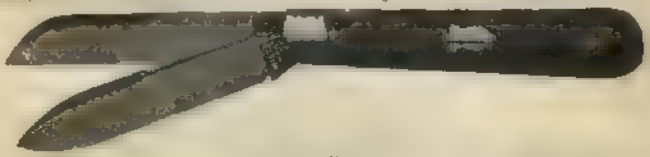
Miller Bros. Cutlery Co.'s.

No. 3140.

No. 3140—Two Blades, Ebony Handle, Brass Lined, Polished Steel Bolster and Cap, 3½ in., Per Dozen, $
" 3240— " " Cocus " " " " " " " " 3¾ in.,

No. 3240S.

No. 3140S—Two Blades, Ebony Handle, Brass Lined, Polished Steel Bolster and Cap, 3½ in., Per Dozen, $
" 3240S— " " Cocus " " " " " " " " 3¾ in.,



No. 1315J.

No. 1315J—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster 3½ in., Per Dozen $

No. 6091.

No. 6091—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster C. S. Cap 3½ in., Per Dozen $
" 6093— " " Cocus " " " " " " " " 3¾ in.,

No. 3110.

No. 3110—Two Blades, Ebony Handle, Brass Lined, Polished Steel Bolster 3½ in., Per Dozen, $
" 3210— " " Cocus " " " " " " " " 3¾ in.,

Half Dozen in a Box.

Pocket Knives.

Miller Bros. Cutlery Co.'s.

No. 3210C.

No. 3110C— Two Blades, Ebony Handle, Brass Lined, Nickel-silver Bolster and Cap, 3½ in. Per Dozen $
" 3210C— " Coca "

No. 61310C

No. 61310 Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3¾ in., Per Dozen $
" 61320 " Cocoa " " " " 3¾ "

No. 3161C

No. 3161C—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3½ in., Per Dozen $

No. 7131.

No. 7131 Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3 in., Per Dozen
" 7132 " Cocoa " " " " 3½ in.,
" 7133 " Stag " " " " 3¾ in.,

Half Dozen in a Box.

Pocket Knives.

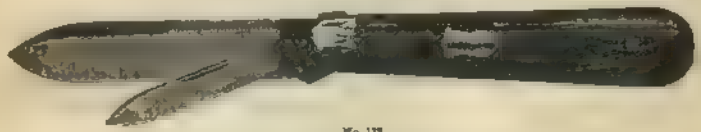
Miller Bros. Cutlery Co.'s

No. 5121C.

No. 5121C—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, 3½ in. Per Dozen, $
" 5121CC—" " Cocus " " " " " " 3½ in.

No. 12031.

No. 12031—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolster, 4 in. . . Per Dozen, $
" 12032—" " Cocus " " " " " " 4 in. . . .



No. 111.

No. 111—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, 4 in. . . Per Dozen, $
No. 112—" " Cocus " " " " " " 4 in. . . .

No. 5111—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, 4 in . . Per Dozen, $

Half Dozen in a Box.

Pocket Knives.

Miller Bros. Cutlery Co.'s.

No. 140—Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolsters, 3¼ in. . . . Per Dozen $
" 340— " " Cocoa " " " " " 3½ " . . . "

No. 5337

No. 5331—Three Blades, Ebony Handle, Iron Lined, Polished Steel Bolsters, 3¼ in. . . . Per Dozen $
" 5337— " " Stag " " " " " 3½ " . . . "
" 5331 " " Ebony " Brass " German Silver " 3¼ " . . . "

No. 332

No. 332—Three Blades, Cocoa Handle, Brass Lined, German Silver Bolsters, 4 in. . . . Per Dozen, $

Half Dozen in a Box.

Pocket Knives.

Miller Bros. Cutlery Co.'s

No. 7531.

No. 7531 Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, 3½ in., Per Dozen $
" 7532 " Cocoa " " " " " 4 "

No. 2231.

No. 2231 Two Blades, Ebony Handle, Iron Lined, Polished Steel Bolsters, 4½ in., Per Dozen $
" 2227 " Stag " " " " 4 "

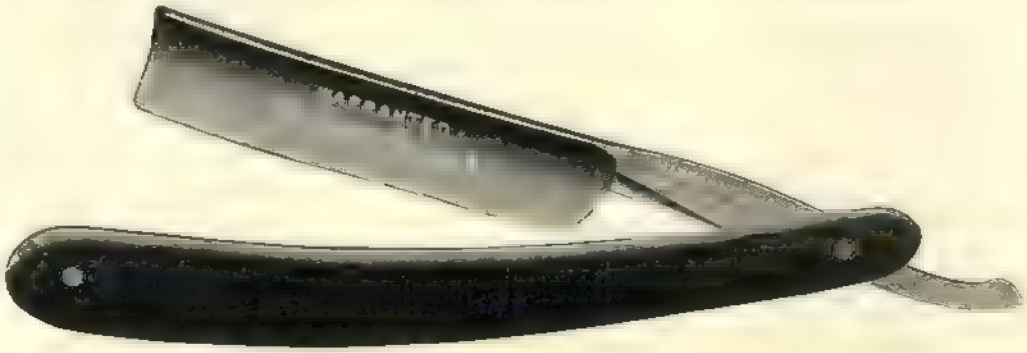
No. 557.

No. 557—Two Blades, with Flesh and Hoof Tools, Stag Handle, Iron Lined, Polished Steel Bolsters, 4 in., Per Dozen $

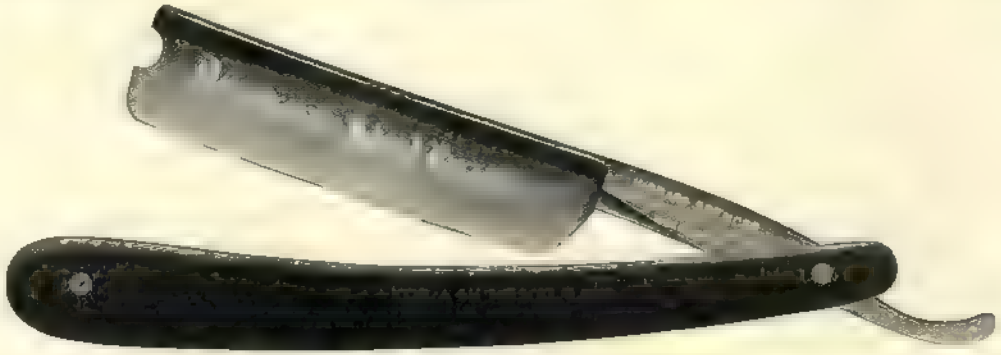
HALF DOZEN IN A SET.

RAZORS.

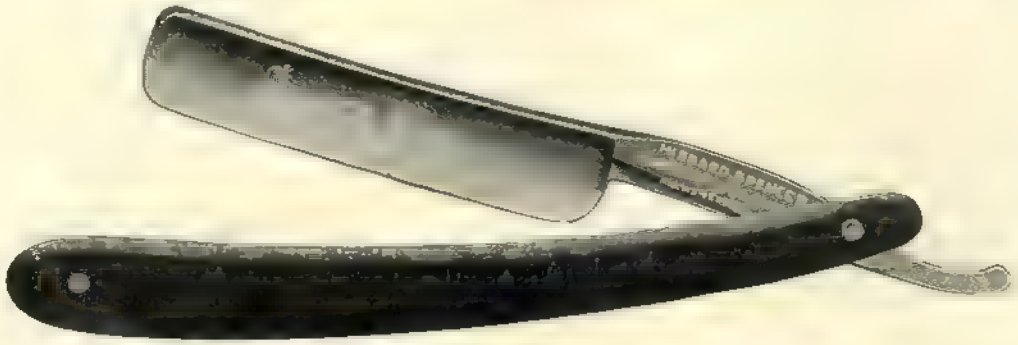
HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.



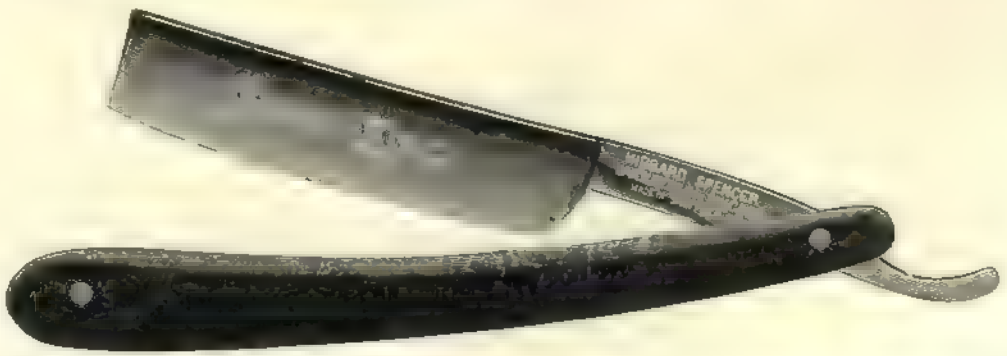
No. 785–5/8 in. blade, medium hollow ground, rubber handle, - - - - - - - - per dozen $8 00



No. 775 5/8 in. blade, medium hollow ground, rubber handle, - - - - - - - - per dozen $8.00



No. 745 5/8 in. blade, hollow ground, rubber handle, - - - - - - - - - per dozen $18.00

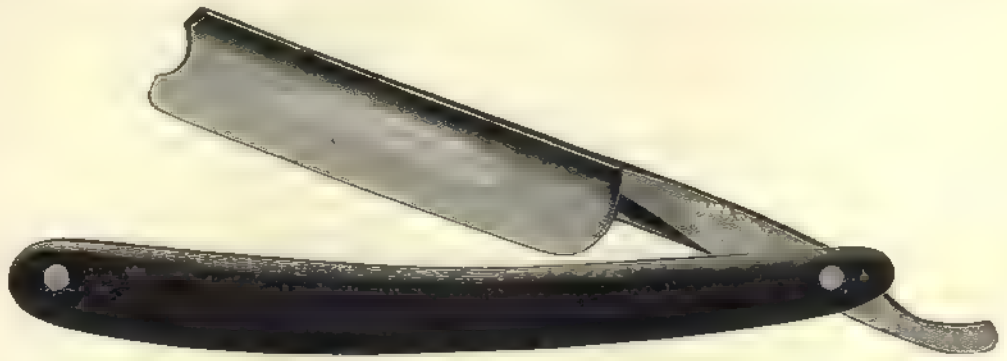


No. 755–5/8 in. blade, hollow ground, rubber handle, - - - - - - - - - per dozen $18 00

HALF DOZEN IN A BOX.

RAZORS.

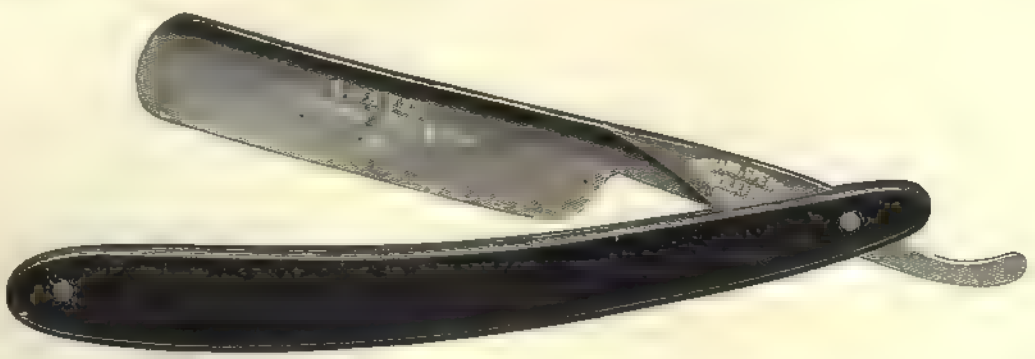
HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.



No. 15 5/8 in. blade, medium hollow ground, rubber handle, - - - - - - - - per dozen $16.00

No. 765 5/8 in. blade, hollow ground, rubber handle, - - - - - - - - - per dozen $18 00

No. 35–5/8 in blade, hollow ground, rubber handle, - - - - - - - - - per dozen $18.50

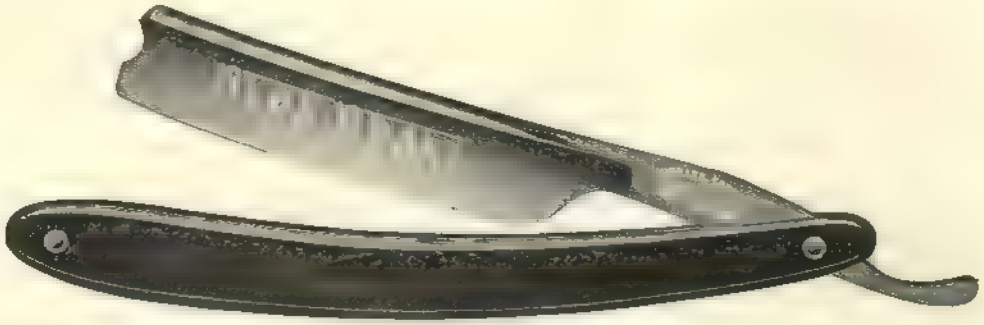


No. 335–5/8 in. blade, hollow ground, rubber handle, - - - - - - - - - per dozen $20.00

HALF DOZEN IN A BOX

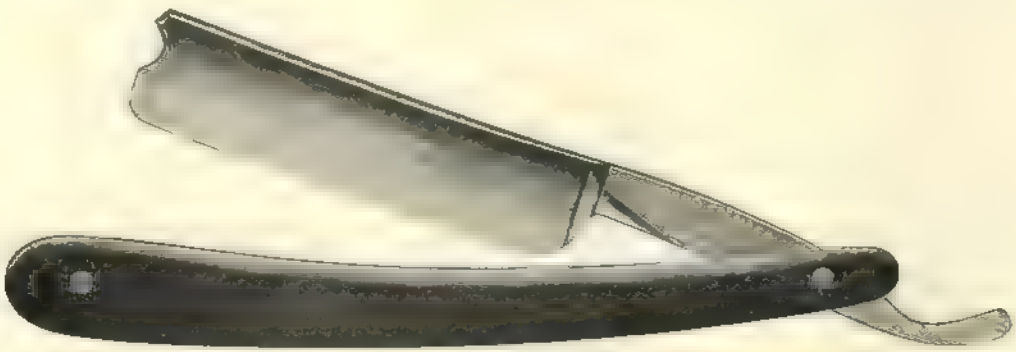
RAZORS.

HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.

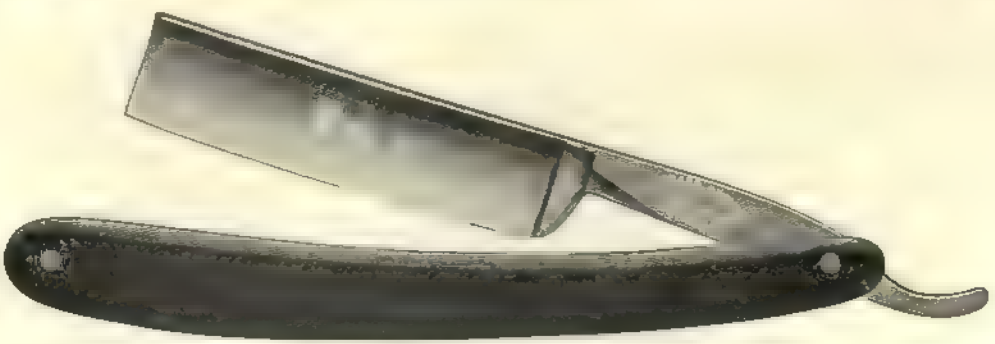


No. 45–5/8 in., thin blade, ground lengthwise, rubber handle, ... per dozen $18.00

No. 595 5/8 in. blade, hollow ground, etched in gold, rubber handle, ... per dozen $18.00



No. 605 5/8 in. blade, hollow ground, etched in gold, rubber handle, ... per dozen $18.00

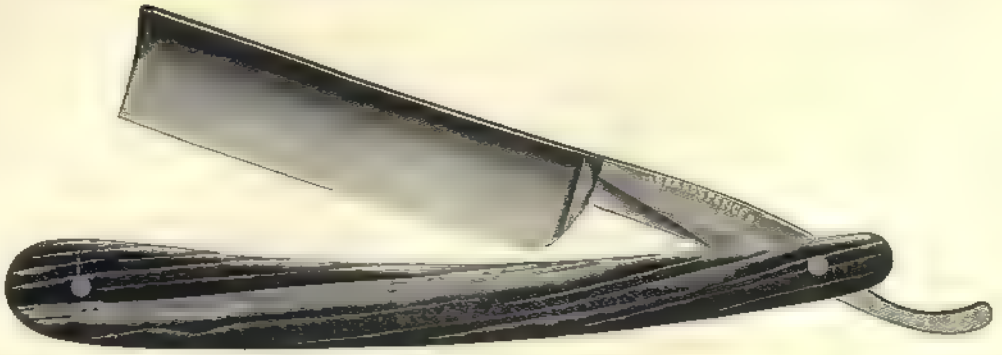


No. 435–5/8 in. blade, hollow ground, etched in gold, rubber handle, ... per dozen $19.00

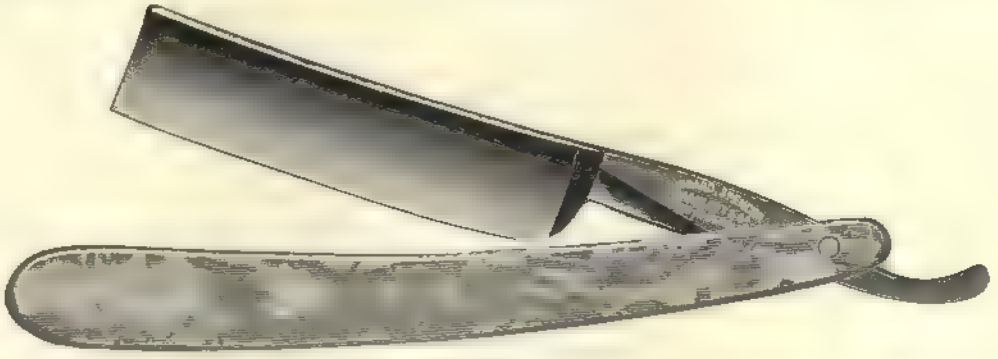
HALF DOZEN IN A BOX.

RAZORS.

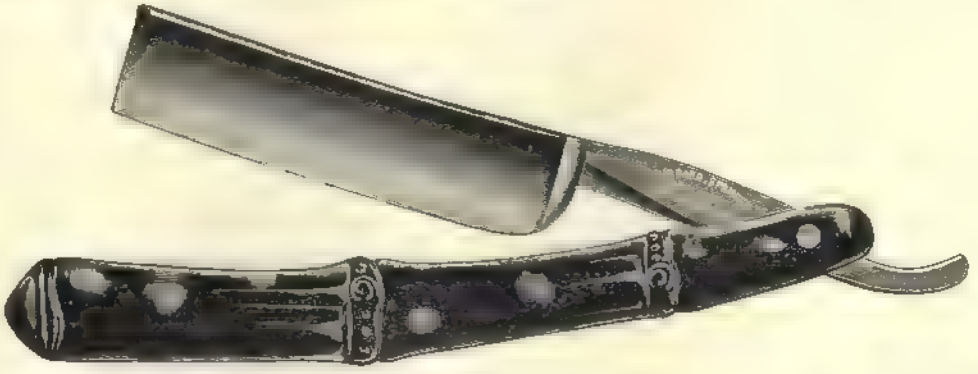
HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.



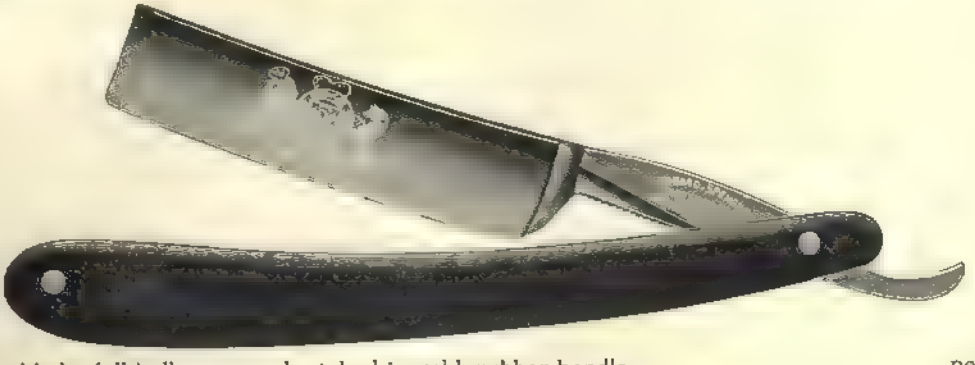
No. 865 -5/8 in. blade, full hollow ground, fancy celluloid handle, - - - - - - per dozen $20.00



No. 885–5/8 in. blade, full hollow ground, mottled celluloid handle, - - - - - per dozen $20.00



No. 875–5/8 in. blade, full hollow ground, imitation bamboo handle, - - - - per dozen $20.00

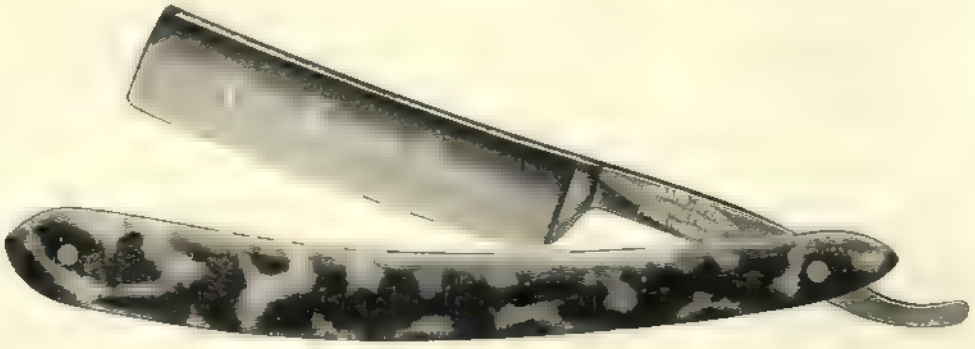


No. 825–5/8 in. blade, full hollow ground, etched in gold, rubber handle, - - - - per dozen $20 00

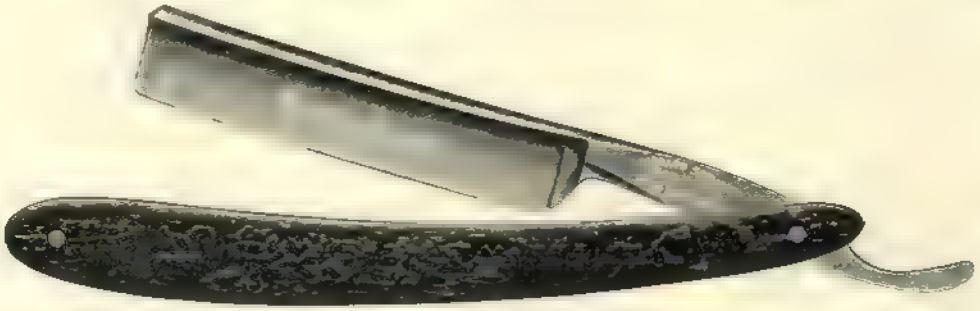
HALF DOZEN IN A BOX

RAZORS.

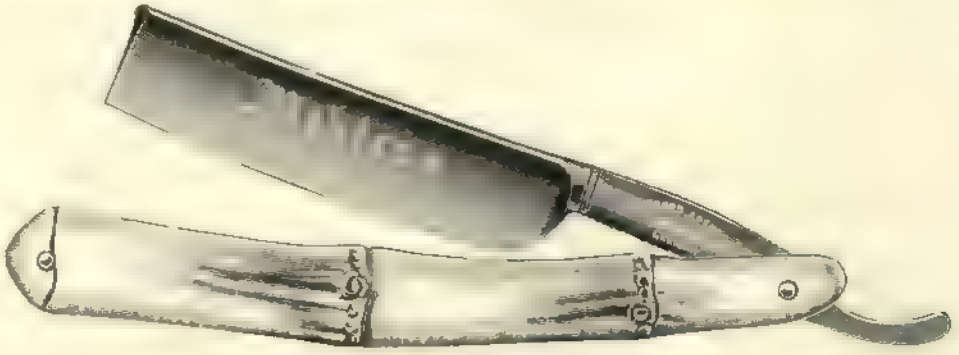
HIBBARD, SPENCER, BARTLETT & CO'S WARRANTED



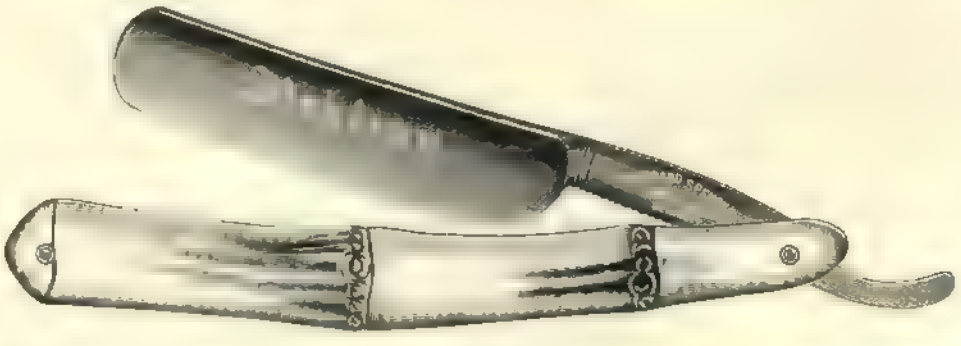
No. 315 5/8 in. blade, hollow ground, shell handle, - - - - - - - - - per dozen $20.00



No. 475 5/8 in. blade, hollow ground, mottled rubber handle, - - per dozen $22.00



No. 575 5/8 in. blade, full hollow ground, imitation bamboo handle, per dozen $24.00

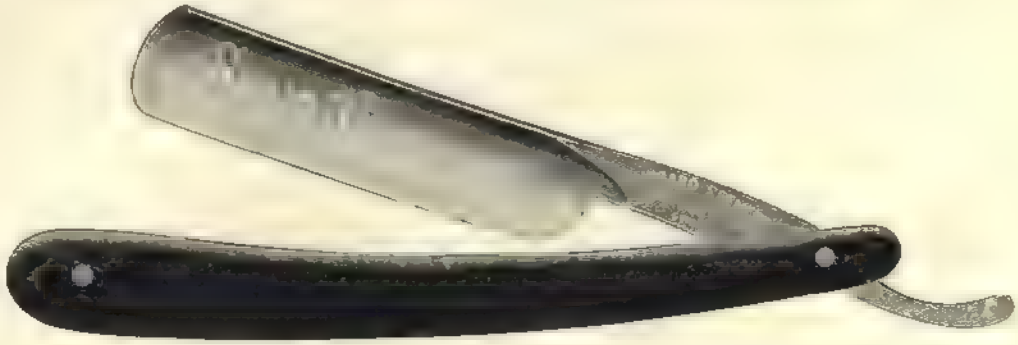


No. 585 5/8 in. blade, full hollow ground, imitation bamboo handle - - per dozen $24.00

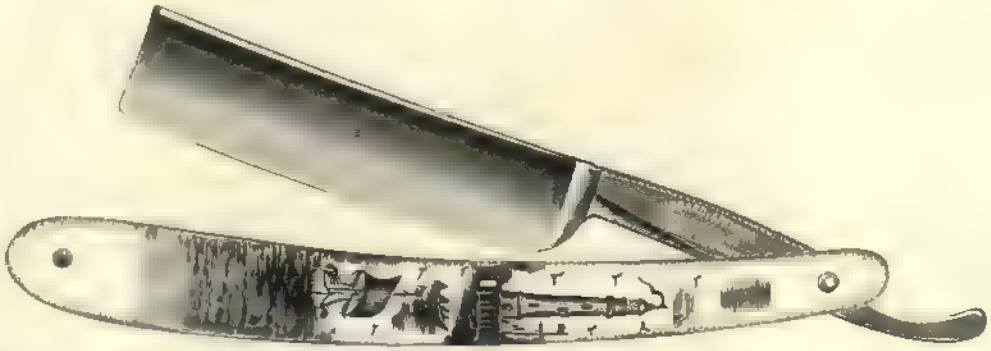
HALF DOZEN IN A BOX

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.



No. 505 5/8 in. blade, full hollow ground, etched in gold, rubber handle, ... per dozen $20.30



No. 845 5/8 in. blade, extra hollow ground, fancy ivoride handle, ... per dozen $24 00

No. 835 5/8 in blade, extra hollow ground, fancy celluloid handle, ... per dozen $24 00

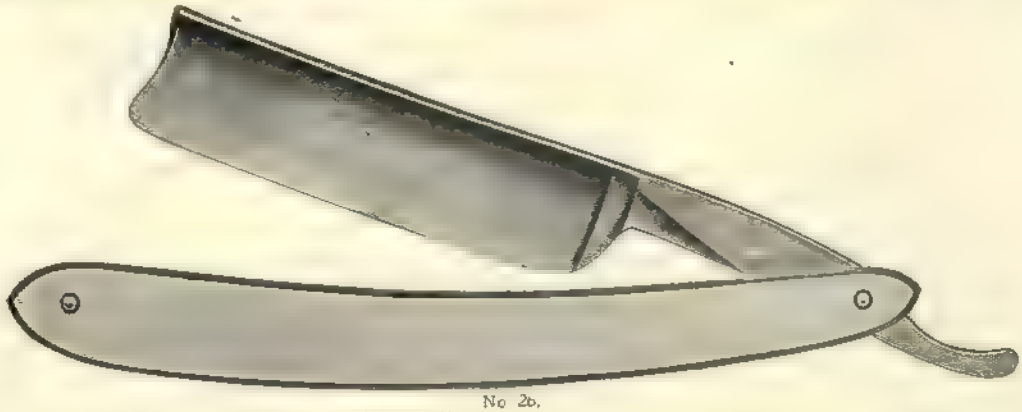
No. 855-5/8 in blade extra hollow ground, fancy celluloid handle, ... per dozen $24 00

HALF DOZEN IN A BOX

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.

No. 515 5/8 in. blade, full hollow ground, rubber handle, ... per dozen $23.00

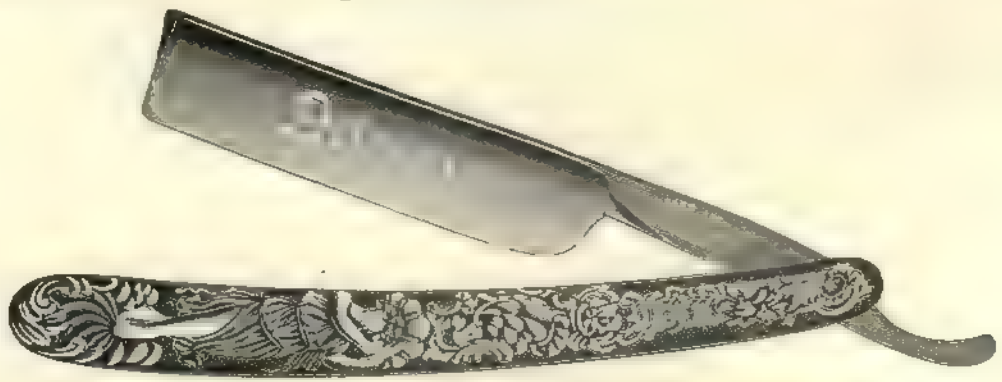


No 26.

No. 25–5/8 in. blade, full hollow ground, ivoride handle, ... per dozen $24.00
No. 26–3/4 in. blade, full hollow ground, ivoride handle, ... " 24 00

No 395

No. 394–1/2 in. blade, barbers' extra hollow ground, rubber handle, ... per dozen $24.00
No. 395 5/8 in. blade, barbers' extra hollow ground, rubber handle, ... " 24 00

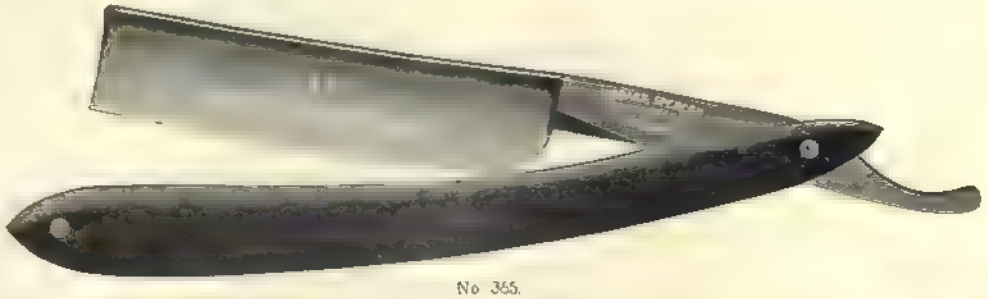


No. 625–5/8 in. blade, full hollow ground, aluminum handle, ... per dozen $24.00

HALF DOZEN IN A BOX.

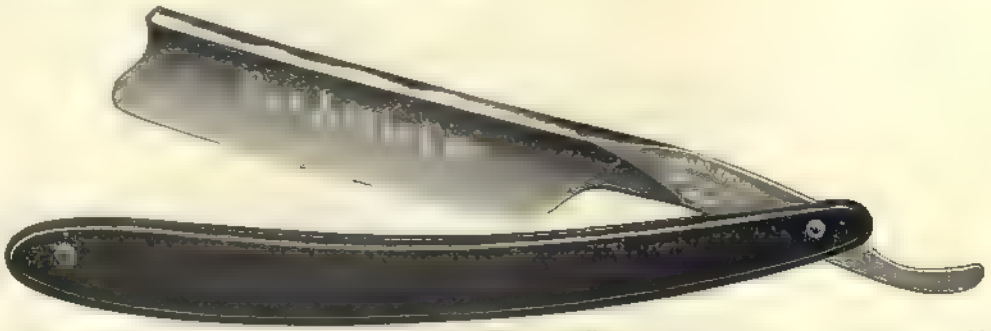
RAZORS.

HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.

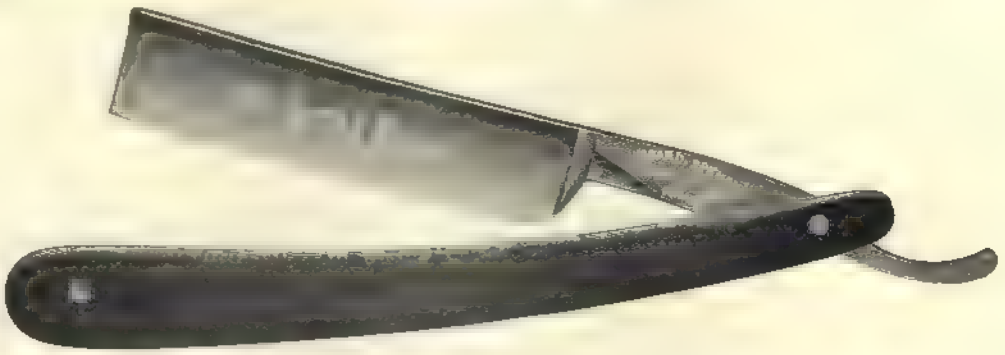


No 365.

No. 364 ½ in. blade, extra hollow ground, rubber handle, - - - - - - - - per dozen $21.00
No. 365 5/8 in. blade, extra hollow ground, rubber handle, - - - - - - - - " 22.00
No. 366–¾ in blade, extra hollow ground, rubber handle, - - - - - - - - " 22.50

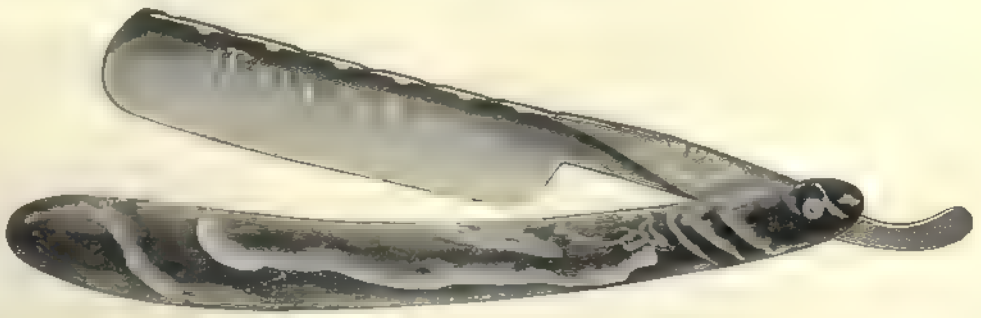


No. 375–5/8 in. blade, hollow ground crocus polished, rubber handle, - per dozen $26.00



No 85

No. 84–½ in. blade, Hamburg ground, etched in gold, rubber handle, - - - per dozen $24 00
No. 85–5/8 in. blade, Hamburg ground, etched in gold, rubber handle, - - - - - " 26.00
No. 86 ¾ in. blade, Hamburg ground, etched in gold, rubber handle, - - - - " 26 50

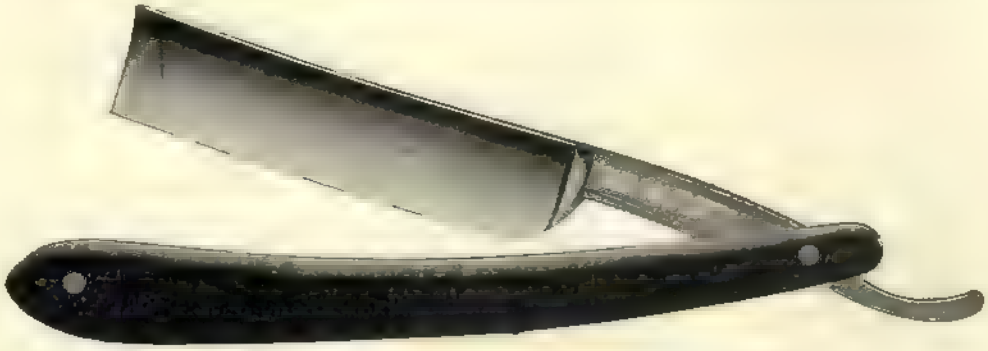


No. 545–5/8 in. blade, extra hollow ground, etched in gold, variegated handle, - - - per dozen $26.00

HALF DOZEN IN A BOX

RAZORS.

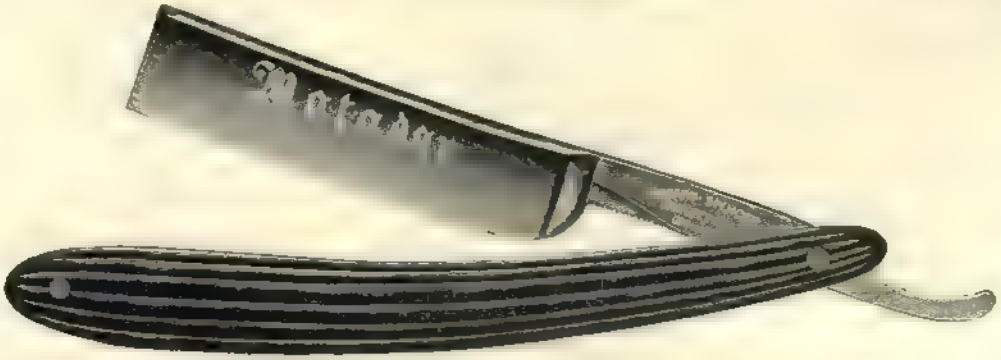
HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.



No. 795 "Our Mascotte," 5/8 in blade, extra hollow Hamburg ground, rubber handle, · · per dozen $30.00

No. 565 5/8 in. blade, extra hollow Hamburg ground, etched in gold, fancy rubber handle, · per dozen $30.00

No. 645 5/8 in. blade, extra hollow Hamburg ground, fancy celluloid handle, · · · · per dozen $30.00

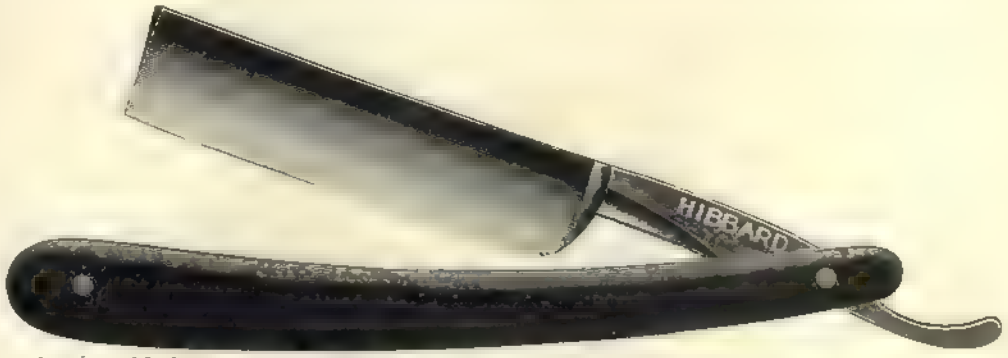


No. 636–5/8 in blade, extra hollow Hamburg ground, fluted rubber handle, · · · per dozen $32.00

HALF DOZEN IN A BOX

RAZORS.

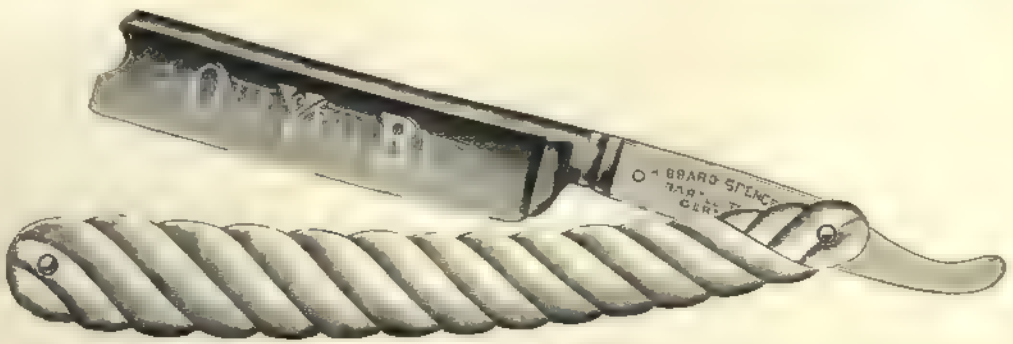
HIBBARD SPENCER, BARTLETT & CO'S, WARRANTED



No. 805 Hibbard, 5/8 in blade, extra hollow Hamburg ground, rubber handle . . per dozen $30.00

No. 815–Hibbard, 5/8 in. blade, extra hollow Hamburg ground, rubber handle, . . per dozen $30.00

No. 615–5/8 in. blade, extra hollow Hamburg ground, etched in gold, rubber tang with carved rubber handle, per dozen $36.00

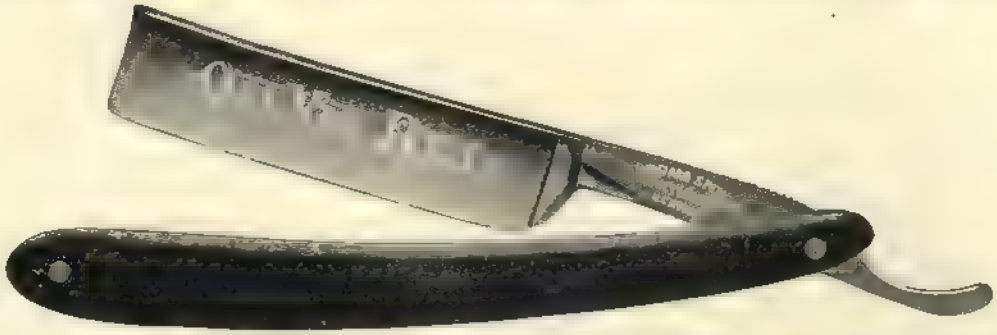


No. 535–5/8 in. blade, extra hollow Hamburg ground, etched in gold, ivory tang, Ivoride handle, per dozen $48 00

HALF DOZEN IN A BOX

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.



No. 525–5/8 in. blade, Hamburg hollow ground, etched in gold, rubber handle, - - - per dozen $30 00

No. 385

No. 383–3/8 in. blade, Hamburg ground, crocus polished, etched in gold, rubber handle, - per dozen $29.00
No. 384–1/2 in. blade, Hamburg ground, crocus polished, etched in gold, rubber handle, - " 29.50
No. 385 5/8 in. blade, Hamburg ground, crocus polished, etched in gold, rubber handle, - " 33 00
No. 386 -3/4 in. blade, Hamburg ground, crocus polished, etched in gold, rubber handle, - " 34.00

No. 415 5/8 in. blade, extra hollow Hamburg ground, etched, fancy ivoride handle, - - per dozen $34.00

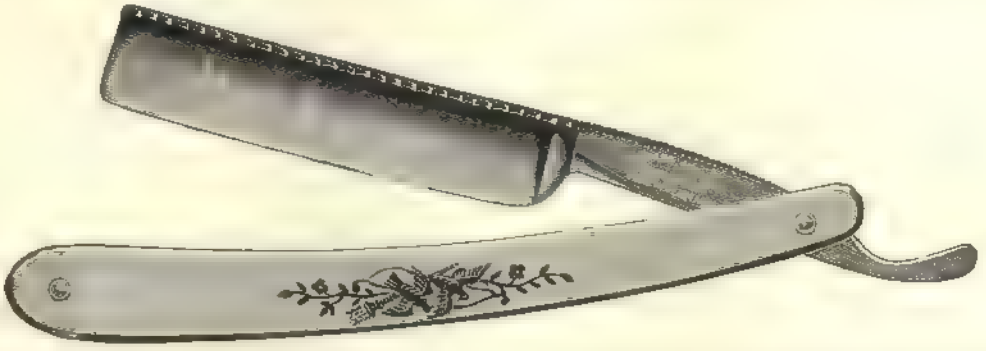
No. 425–5/8 in. blade, extra hollow Hamburg ground, etched, fancy ivoride handle, - - per dozen $34.00

HALF DOZEN IN A BOX.

RAZORS.

HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.

No. 445 -½ in. blade, extra hollow Hamburg ground, etched in gold, rubber handle, . . per dozen $31.50



No. 555–½ in blade, extra hollow Hamburg ground, etched in gold, ivory handle, with gold decoration, per dozen $34.00

No. 655–⅝ in. blade, full hollow ground, shell handle, with gold decoration, ... per dozen $32.00

No. 455–⅝ in. blade, full hollow ground, lettered in gold, fancy rubber handle, . . . per dozen $33.00

HALF DOZEN IN A BOX.

POCKET KNIVES.

No. 010–1 blade, scored ebony handle, iron lined glazed, 2⅝ in — per dozen $0.75
No. 011–2 blades, scored ebony handle, iron lined glazed, 2⅝ in — " 1 00

No. 0356–1 blade, cocoa handle, iron lined glazed 2¾ in — per dozen $1 50

No. 0357 1 blade, ebony handle, iron lined, glazed 2⅞ in — per dozen $1.50

No. 0105–1 blade, ebony handle, iron lined, glazed, 3 in., — per dozen $1 80
No. 0210–2 blades, ebony handle, iron lined, glazed, 2⅞ in., — " 2 20

No. 634 2 blades, japanned tin handle, iron lined glazed 3⅛ in — per dozen $1 30

No. 0687–2 blades, cocoa handle, iron lined glazed, 3¼ in — per dozen $1.40
No. 0686 2 blades, ebony handle, iron lined, glazed 3¼ in — " 1 40
No. 0639 2 blades, cocoa handle iron lined glazed, 3¼ in — " 2 50
No. 0640 2 blades, ebony handle iron lined, glazed 3¼ in — " 2 50

No. 0296–2 blades, ebony handle, iron lined, glazed, 3¼ in., — per dozen $2 25

ONE DOZEN IN A BOX

POCKET KNIVES.

No. 0701 1 blade, ebony handle, iron lined, glazed, 3¼ in., ... per dozen $1.70

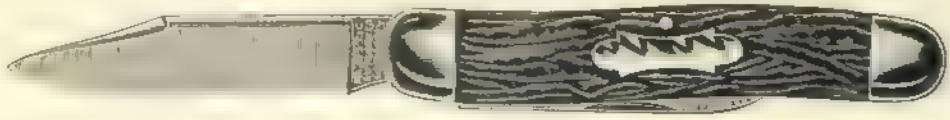
No. 0680.

No. 0680–2 blades, nickel plated iron handle, glazed, 3¼ in., ... per dozen $2.80
No. 0679–2 blades, nickel plated iron handle, glazed, easy opener, 3½ in., . . " 2.80

No. 0107

No. 0107–2 blades, black handle, iron lined, 3¼ in., ... per dozen $2.20
No. 0235–2 blades, white bone handle, iron lined, 3¼ in, ... " 2.35

ONE DOZEN IN A BOX.



No. 0638–2 blades, iron handle, glazed, 3½ in., ... per dozen $3.20

No. 0637 -2 blades, iron handle, glazed, 3½ in, ... per dozen $3.20

No. 0636–2 blades, iron handle, glazed, 3½ in., ... per dozen $3.20

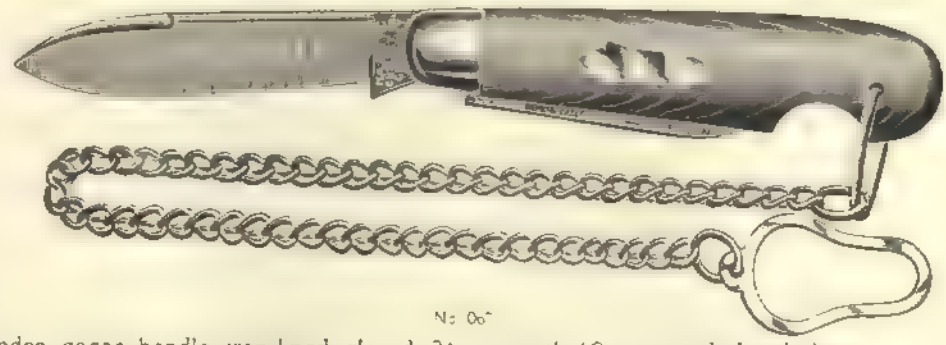
HALF DOZEN IN A BOX

No. 0599½

No. 0599 –1 blade, iron handle, glazed, 3⅜ in., ... per dozen $1.30
No. 0599½–1 blade, iron handle, glazed, 4¼ in., ... " 2.80

ONE DOZEN IN A BOX.

POCKET KNIVES.

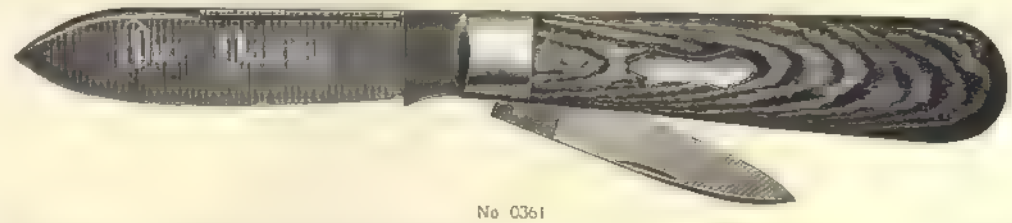


No. 0671

No. 0671 2 blades, cocoa handle, iron lined, glazed, 3½ in. with 18 in. nickel plated chain, - per dozen $3 25
No. 0670 2 blades, ebony handle, iron lined, glazed, 3½ in., with 18 in. nickel plated chain, - " 3 25
No. 0672 2 blades, stag handle, iron lined, glazed, 3½ in., with 18 in. nickel plated chain, - " 3 25

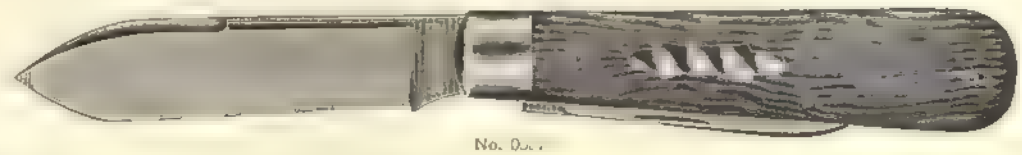
No. 0667

No. 0667 2 blades, cocoa handle, iron lined, glazed, 3½ in., - - - - - - - per dozen $3.20
No. 0668-2 blades, ebony handle, iron lined, glazed, 3½ in., - - - - - - - " 3.20
No. 0669-2 blades, stag handle, iron lined, glazed, 3½ in., - - - - - - - " 3.20



No. 0361

No. 0361-2 blades, cocoa handle, iron lined, glazed, 3½ in., per dozen $3.60
No. 0362-2 blades, ebony handle, iron lined, glazed, 3½ in., - - - " 3.60



No. 0337

No. 0337-2 blades, cocoa handle, iron lined, glazed, 3½ in., - - per dozen $3.60
No. 0338-2 blades, ebony handle, iron lined, glazed, 3½ in., - - - - - " 3.60

No. 0576

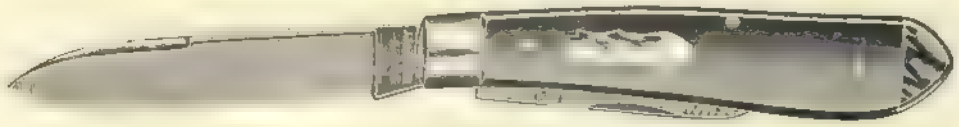
No. 0576-2 blades, ebony handle, brass lined, crocus polished, 3⅞ in. - - - - per dozen $6.40
No. 0575-2 blades, stag handle, brass lined, crocus polished, 3⅞ in., - - - " 6 40

No. 0663

No. 0663-2 blades, cocoa handle, brass lined, glazed, 3⅞ in., - - - - - - per dozen $6.40
No. 0664-2 blades, ebony handle, brass lined, glazed, 3⅞ in., - - - - - - " 6.40

HALF DOZEN IN A BOX

POCKET KNIVES.

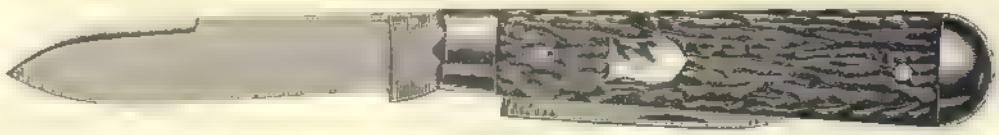


No. 0603

No. 0604 2 blades, cocoa handle, brass lined, glazed, 3½ in. . . . per dozen $4.40
No. 0603 2 blades, ebony handle, brass lined, glazed, 3½ in. . . . " 4.40
No. 0605 2 blades, stag handle, brass lined, glazed, 3½ in. . . . " 4.40

No. 0607

No. 0607 2 blades, cocoa handle, brass lined, glazed, 3½ in. . . . per dozen $4.40
No. 0606 2 blades, ebony handle, brass lined, glazed, 3½ in. . . . " 4.40
No. 0608 2 blades, stag handle, brass lined, glazed, 3½ in. . . . " 4.40



No. 0610

No. 0610 2 blades, cocoa handle, brass lined, glazed, 3½ in. . . . per dozen $4.40
No. 0609 2 blades, ebony handle, brass lined, glazed, 3½ in. . . . " 4.40
No. 0611 2 blades, stag handle, brass lined, glazed, 3½ in. . . . " 4.40

No. 0371 2 blades, cocoa handle, brass lined, glazed, 3½ in. . . . per dozen $4.40
No. 0372 2 blades, ebony handle, brass lined, glazed, 3½ in. . . . " 4.40

No. 0433 2 blades, stag handle, brass lined, glazed, 3½ in. . . . per dozen $5.80

No. 0406

No. 0406 2 blades, cocoa handle, brass lined, etched, 3½ in. . . . per dozen $7.20
No. 0407 2 blades, ebony handle, brass lined, etched, 3½ in. . . . " 7.20

HALF DOZEN IN A BOX

POCKET KNIVES.

No. 0570–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., . . per dozen $6 80
No. 0571 2 blades, ebony handle, brass lined, crocus polished, 3½ in., . . . " 6.80
No. 0572–2 blades, stag handle, brass lined, crocus polished, 3½ in., . . . " 6 80

No. 0657–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., . . . per dozen $6 40
No. 0656–2 blades, stag handle, brass lined, crocus polished, 3½ in., . . . " 6.40

No. 0661–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., . . . per dozen $6.40
No. 0662–2 blades, ebony handle, brass lined, crocus polished, 3½ in., . . . " 6 40
No. 0660–2 blades, stag handle, brass lined, crocus polished, 3½ in., . . . " 6.40

No. 0492 2 blades, cocoa handle, brass lined, crocus polished, 3½ in . . . per dozen $6.80
No. 0493–2 blades, ebony handle, brass lined, crocus polished, 3½ in . . . " 6.80
No. 0491–2 blades, stag handle, brass lined, crocus polished, 3½ in . . . " 6 80

No. 0331–2 blades, cocoa handle, brass lined, glazed, 3⅝ in., . . . per dozen $6.80
No. 0332 2 blades, ebony handle, brass lined, glazed, 3⅝ in. . . . " 6 80
No. 0333 2 blades, stag handle brass lined glazed, 3⅝ in. . . . " 7.20

No. 0598 1 blade and gouge, cocoa handle, brass lined crocus polished 3½ in. . . per dozen $7.20

HALF DOZEN AT A TIME

POCKET KNIVES.

No. 0489

No. 0489–2 blades, cocoa handle, brass lined, crocus polished, 3¼ in., ... per dozen $6.80
No. 0490–2 blades, stag handle, brass lined, crocus polished, 3¼ in., . . " 6.80

No. 0488

No. 0486–2 blades, cocoa handle, brass lined, crocus polished, 3¼ in., ... per dozen $6.80
No. 0487 2 blades, ebony handle, brass lined, crocus polished, 3¼ in., ... " 6.80
No. 0488–2 blades, stag handle, brass lined, crocus polished, 3¼ in., ... " 6.80

No. 0659

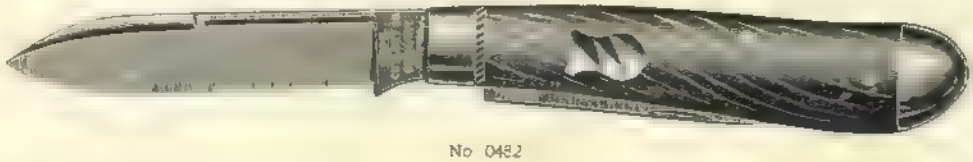
No. 0659–2 blades, cocoa handle, brass lined, crocus polished, 3⅝ in., . . . per dozen $6.40
No. 0658–2 blades, ebony handle, brass lined, crocus polished, 3⅝ in., . . . " 6.40

No. 0582

No. 0582–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., . . . per dozen $6.80
No. 0581–2 blades, stag handle, brass lined, crocus polished, 3½ in., . . . " 6.80

No. 0334

No. 0334–2 blades, cocoa handle, brass lined, glazed, 3½ in., ... per dozen $7.20
No. 0335–2 blades, ebony handle, brass lined, glazed, 3½ in., ... " 7.20



No. 0482

No. 0482–2 blades, cocoa handle, brass lined, crocus polished, 3⅜ in., ... per dozen $6.80
No. 0483–2 blades, stag handle, brass lined, crocus polished, 3⅜ in., ... " 6.80

HALF DOZEN IN A BOX.

POCKET KNIVES.

No. 0455

No. 0454–2 blades, cocoa handle, brass lined, crocus polished, 3 in., . . . per dozen $5.85
No. 0455–2 blades, buffalo handle, brass lined, crocus polished, 3 in., ... " 6.00

No. 0496 2 blades, ebony handle, brass lined, crocus polished, 3 in . . per dozen $6.80

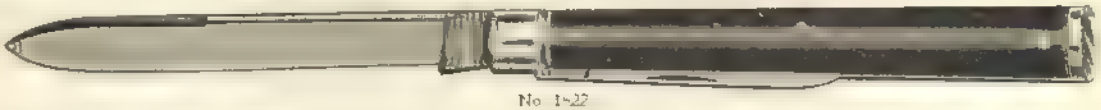
No. 0497–2 blades, buffalo handle, brass lined, crocus polished, 3½ in., ... per dozen $6.80

No. 0574–2 blades, stag handle, brass lined, crocus polished, 3¼ in. per dozen $6 80

No. 0573–2 blades, stag handle, brass lined, crocus polished, 3½ in. . per dozen $6 80

No. 0589

No. 0589 -2 blades, ebony handle, brass lined, crocus polished, 3½ in. . . . . per dozen $6 80
No. 0590–2 blades, stag handle, brass lined, crocus polished, 3½ in., ... " 6.80

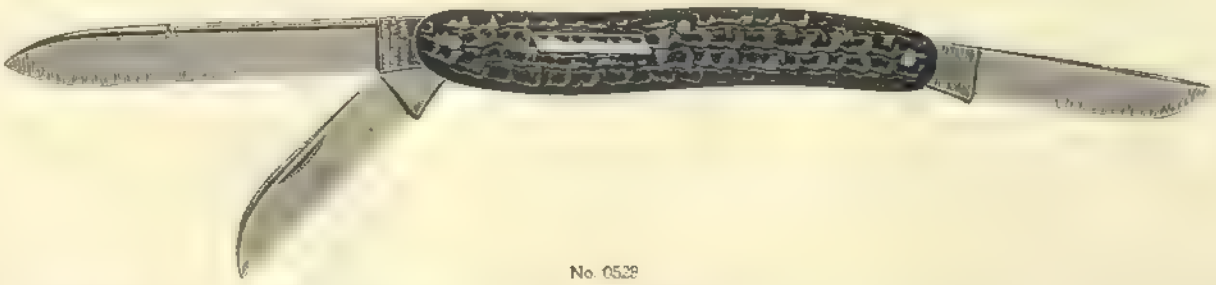


No. 1622

No. 1622 2 blades, buffalo handle, brass lined, crocus polished 3⅞ in., ... per dozen $10 00
No. 1632 -2 blades, stag handle, brass lined, crocus polished, 3⅞ in., ... " 10.00
No. 1662 2 blades, pearl handle, brass lined, crocus polished, 3⅞ in., ... " 20 00

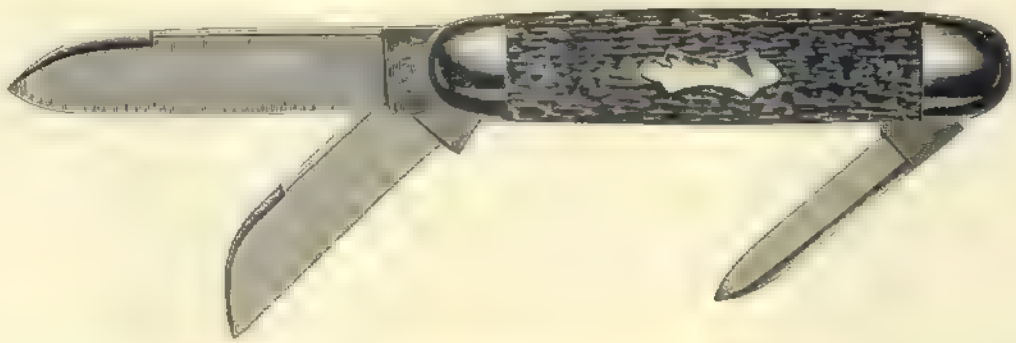
HALF DOZEN IN A BOX.

POCKET KNIVES.

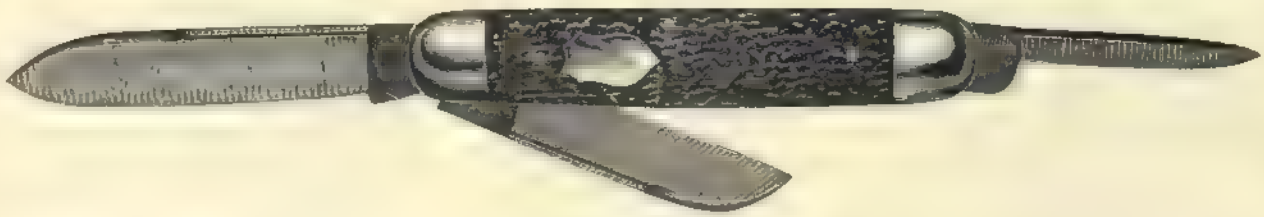


No. 0529

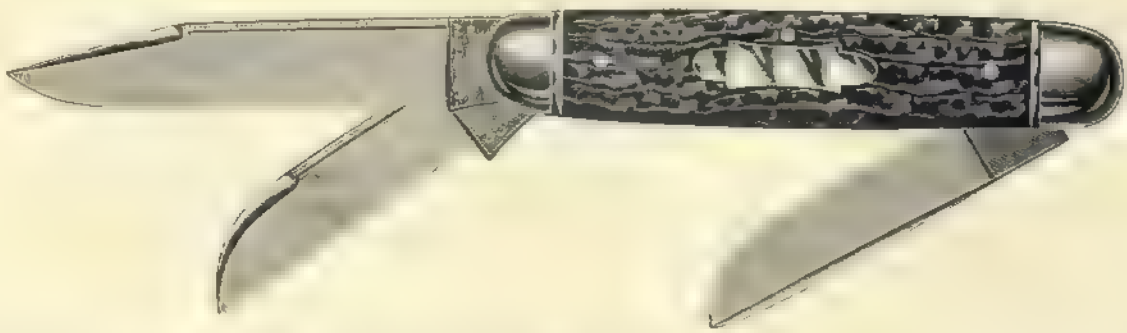
No. 0529 3 blades, buffalo handle, brass lined, crocus polished, 3¼ in., - - - - per dozen $7 75
No. 0528–3 blades, stag handle, brass lined, crocus polished, 3¼ in., - - - - - " 7.75



No. 0469 3 blades, stag handle brass lined glazed, 3¾ in., - - - - - - per dozen $7 50



No. 0285 3 blades, stag handle, brass lined, crocus polished, 3½ in - - - - - per dozen $9 60

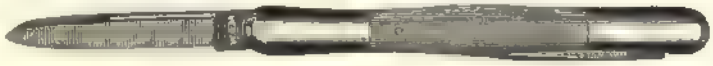


No. 0577-3 blades, stag handle, brass lined, crocus polished, 4 in - - - - per dozen $13 75

HALF DOZEN IN A BOX

POCKET KNIVES.

No. 1392–2 blades, white bone handle, brass lined, crocus polished, 2⅜ in., - - - - per dozen $2.50



No. 0674

No. 0674–2 blades, ivory celluloid handle, brass lined, crocus polished, 2¾ in., - - - per dozen $2.75
No. 0675–2 blades, pearl handle, brass lined, crocus polished, 2¾ in., - - - - - " 2.90

No. 092

No. 092 2 blades, German silver bound, inlaid with ivory celluloid, crocus polished, 2⅝ in., - per dozen $2.50
No. 091 2 blades, German silver bound, inlaid with shell celluloid, crocus polished, 2⅝ in. - " 2.50

No. 0673 2 blades, pearl handle, brass lined, crocus polished, 2¾ in. - - - - - per dozen $4.80

No. 0698 2 blades, pearl handle, brass lined, crocus polished, 2¾ in., - - - - - per dozen $4.80

No. 1502 2 blades, pearl handle, brass lined, crocus polished, 3 in., - - - - - per dozen $4.40

No. 0557 2 blades, pearl handle, brass lined, crocus polished, 2½ in., - - - - - per dozen $5.60

No. 0703–3 blades, pearl handle, brass lined, crocus polished, 2⅛ in., - - - - - per dozen $6.00

HALF DOZEN IN A BOX

POCKET KNIVES.

No 0613

No. 0613–2 blades, pearl handle, brass lined, crocus polished, 2¼ in., - - - per dozen $4 40
No. 0614–2 blades, pearl handle, brass lined, crocus polished, with nail file 2¼ in., - - - " 4 40

No. 0533 2 blades, pearl handle, brass lined, crocus polished, 2 in., - - - - - per dozen $4.00

No. 0308 2 blades, pearl handle, brass lined, crocus polished, 2⅜ in., - - - - - per dozen $5.60

No. 0186–2 blades, pearl handle, brass lined, crocus polished, 2½ in., - - - - per dozen $4 40

No. 0409 2 blades, pearl handle, brass lined, crocus polished, 2½ in., - - - - - per dozen $3.60

No. 0306 2 blades pearl handle, brass lined, crocus polished, 2½ in., - - - - - per dozen $5.20

No. 0309 2 blades, pearl handle, brass lined, crocus polished, 2⅝ in., - - - per dozen $6.40

No 0413

No. 0307 2 blades, fancy pearl handle, crocus polished, 2½ in., - - - - - - per dozen $4.80
No. 0413–3 blades, fancy pearl handle, crocus polished, 2¾ in., - - - - - - " 7.20

HALF DOZEN IN A BOX.

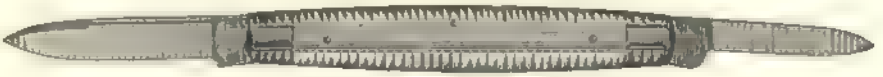
POCKET KNIVES.

No. 0410

No. 0410–2 blades, stag handle, German silver lined, crocus polished, 2½ in., . . . per dozen $4 80
No. 0411 -2 blades, ivory handle, German silver lined, crocus polished, 2½ in., . . . " 5.20
No. 0412 2 blades, pearl handle, German silver lined, crocus polished, 2½ in., . . . " 6.40

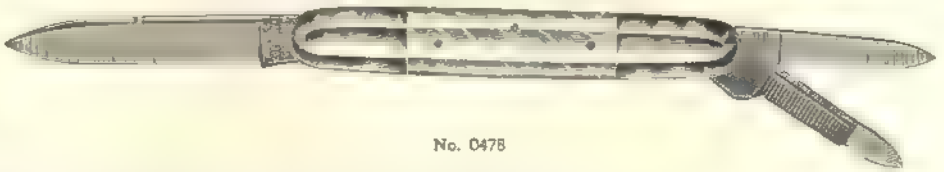
No. 0253–2 blades, fancy pearl handle, brass lined, crocus polished, 2½ in., ... per dozen $5.60

No. 2422–2 blades, pearl handle, brass lined, crocus polished, 3 in., ... per dozen $6.70



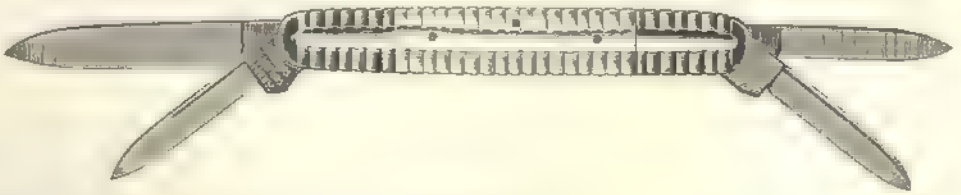
No. 0348–2 blades, fancy pearl handle, brass lined, crocus polished, 2¾ in., ... per dozen $6.80

No. 0543–2 blades, pearl handle, brass lined, crocus polished, 2½ in., ... per dozen $5.60



No. 0478

No. 0542–2 blades, pearl handle, brass lined, crocus polished, 2⅞ in., ... per dozen $4 00
No. 0478–3 blades, pearl handle, brass lined, crocus polished, 2⅞ in., ... " 4.40



No. 0479–4 blades, pearl handle, brass lined, crocus polished, 3 in., ... per dozen $4.40

HALF DOZEN IN A BOX.

POCKET KNIVES.

No. 0387.

No. 0387–2 blades, ebony handle, brass lined, glazed, 3⅛ in., - - - - - - per dozen $2.70
No. 0388–2 blades, stag handle, brass lined, glazed, 3⅛ in., - - - - - - " 2.70

No. 0385

No. 0385–2 blades, ebony handle, brass lined, glazed, 3 in., - - - - - - per dozen $2 70
No. 0386–2 blades, white bone handle, brass lined, glazed, 3 in., - - - - - - " 2.70

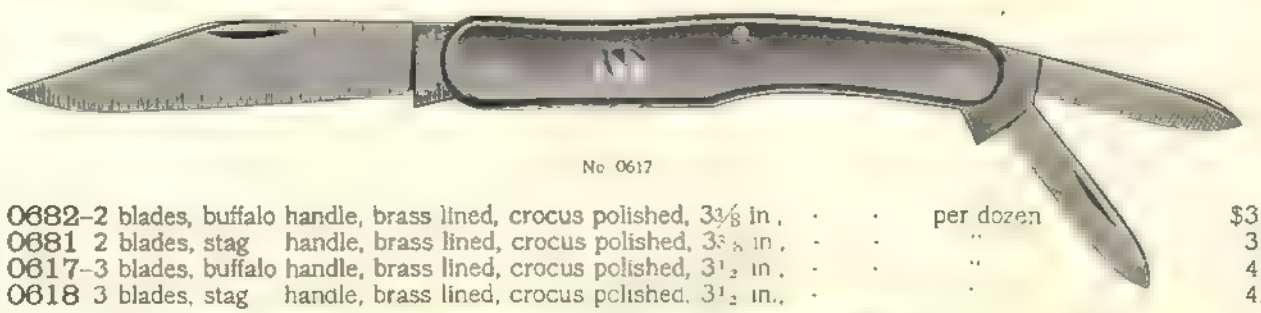
No. 0695.

No. 0696–2 blades, stag handle, brass lined, glazed, 3½ in., - - - - - - per dozen $2.40
No. 0695–2 blades, white bone handle, brass lined, glazed, 3½ in, - - - - - - " 2.40

No. 0650 2 blades, stag handle, brass lined, glazed 3¼ in, - - - - - - - - per dozen $2.50

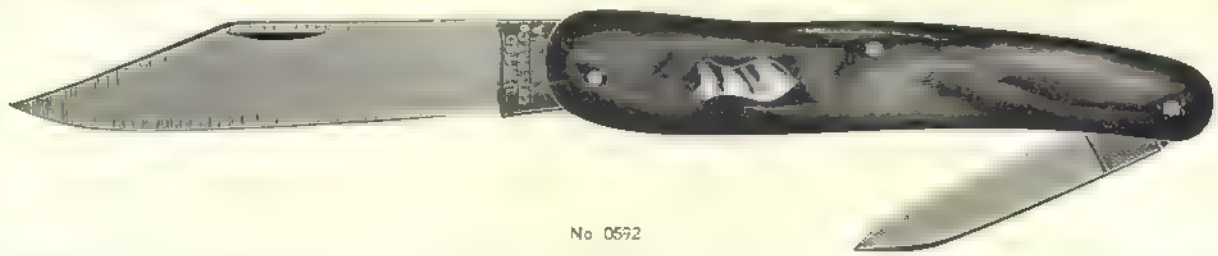
No. 0684

No. 0684–2 blades, buffalo handle, brass lined, glazed, 3½ in. - - - - per dozen $3 25
No. 0683–2 blades, stag handle, brass lined, glazed, 3½ in. - - - - - " 3.25



No 0617

No. 0682–2 blades, buffalo handle, brass lined, crocus polished, 3⅜ in, - - per dozen $3 25
No. 0681 2 blades, stag handle, brass lined, crocus polished, 3⅜ in, - - " 3 25
No. 0617–3 blades, buffalo handle, brass lined, crocus polished, 3½ in, - - " 4 80
No. 0618 3 blades, stag handle, brass lined, crocus polished, 3½ in., - - 4.80



No 0592

No. 0592–2 blades, buffalo handle, brass lined, crocus polished, 4 in., - - - - - per dozen $5 20
No. 0591–2 blades, stag handle, brass lined, crocus polished, 4 in., - - - - - " 5 20

HALF DOZEN IN A BOX

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Fig A–2712.
Cone.

Cones or Mandrels.

From 150 to 300 Pounds.

Price . . . . . Per pound, $. . . .

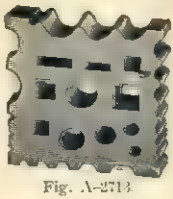


Fig. A–2713.
Swage Block.

Swage Blocks.

From 100 Pounds to 300 Pounds.

Price . . . . . Per pound, $. . . .

Tire Benders.

Worcester.

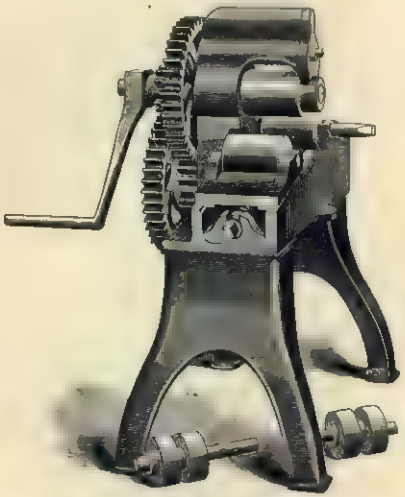


Fig. A–2714

This is a strong and well made machine, having open side so that tires can be taken out without springing. The bearings or track of carriages on all our Tire Benders are planed perfectly parallel, which insures the tire going through the rolls and the ends coming together perfectly square. A pair of grooved rolls for bending iron edgewise is furnished when ordered.

No. 2 Tire Bender.

Bending iron to ⅝ inches thick by 3 inches wide. Weight, 250 pounds. Geared, 9 to 1.

Price $40 00

Price with Grooved Rolls 55 00

Kinsley's, Complete with Cranks.

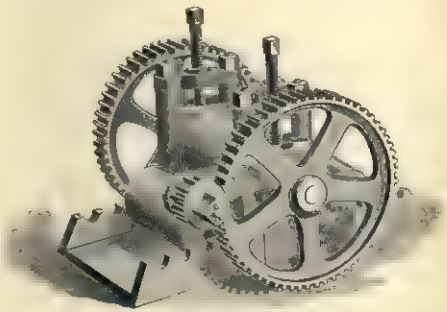


Fig. A–2715.

		Each.
No. 3.	Will Bend Iron 3½x⅜ In. and Weighs 163 lbs.	$20 00
No. 4.	Will Bend Iron 6x1 In. and Weighs 322 lbs .	32 50
No. 5.	Will bend Iron 6x1¼ In. and Weighs 360 lbs .	36 00

Green River Tire-Bending Machine No. 2.

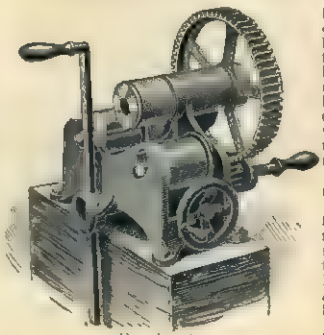


Fig. A–2716

This machine will bend accurately and easily tires from the lightest to ⅝ inch thick. The circle to be made is fixed by means of a right and left hand screw, operated by the hand-wheel acting equally upon the two lower rollers.

The rollers are 3 inches wide.

The upper roller is faced with steel and milled to insure the regular feeding through of the work. It is strongly geared, and two cranks may be used if desired.

Weight, 140 lbs.

Price . . $25 00

Green River Tire Shrinkers.

Horizontal No. 1.

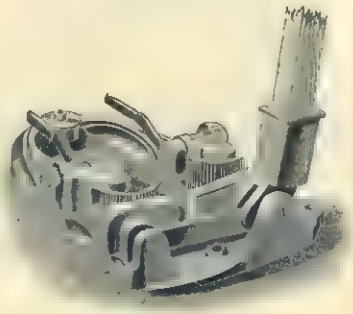


Fig. A-2717.

These Machines save all cutting and welding of tires.

They are easily worked, durable and economical, and meet universal approval among our customers.

They are managed by one man with perfect ease, and work well on all tires within their capacity.

They occupy a space about 2 feet square on the floor.

The handles may be taken out of the sockets when not in use.

The bolts used on these machines are steel, and are supported at both ends so as not to spring.

The tire lies in a properly shaped former, and force being applied to the handle with the left hand, the right hand remains at liberty to use the hammer in keeping the work true and straight, the only safe way of getting a perfect result at a single heat.

The cams which grip the work are readily set at the will of the workman, and are instantly withdrawn from the finished tire by means of the levers. All slipping at starting, and all jamming and sticking after finishing, are thus avoided.

No. 1.—For Smallest Tires, and up to ¼x3 Inches . . **$17 50**

Weight, 180 pounds.

Stoddard's Lightning Tire Upsetters.

One Man Can Operate.

These Upsetters take the tire on the flat side, and have clamping head, as shown in cut, that prevents light tires from kinking.

All Machines are Tested before Leaving the Factory.

PRICES.

No. 1 is a 2-inch Machine **$14 00**
Will upset a tire from ⅛ to ¼ inch thick, and any width up to two inches.

No. 2 is a 4-inch Machine **22 50**
Will upset any tire to four inches wide.

No. 3 is a "Special" 4-inch Machine **26 00**
Has sets of loose jaws. Can be adjusted for large and small circles, and also for upsetting axles up to 1¼ inches thick.

No. 4 is a 6-inch Machine **36 00**
This is for upsetting tires six inches wide.

No. 5 is a "Special" 6-inch Machine **45 00**
Has two sets of loose jaws. Can be adjusted for large and small circles, and also for upsetting axles up to two inches thick. This is for upsetting tires six inches wide.

New Green River Upright Tire Shrinkers.

IMPROVED.

Fig. A-2718.

These Shrinkers will work as easily and satisfactorily as our well-known Horizontal Machines.

The gripping cams, standing open to receive the work, are adjusted instantly to the tire, and are readily withdrawn to release it after the operation.

No. 2.—For Smallest Tires and up to 1x4 Inches in Size. **$20 00**

Weight, 250 pounds.

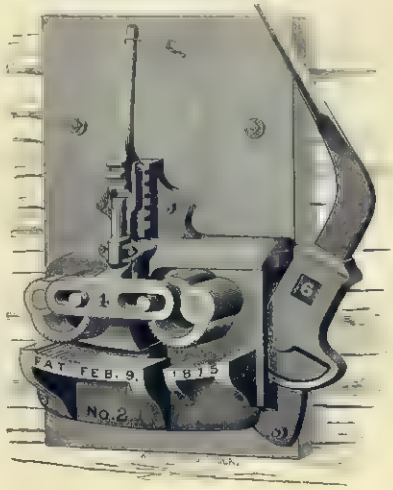


Fig. A-2719

Always ready to receive the tire.

Note the position of handles as above.

Tuyere Irons.

"Duck's" Nest.

Fig. A-2720.

	Sizes,	20	B
	Weight, Lbs.,	14	16
Each		$1 00	1 25

"Clark's" Patent.

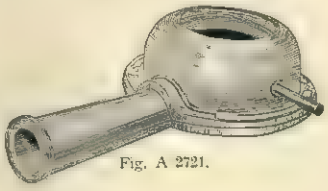


Fig. A 2721.

	Sizes,	1	2	3	4
	Weight, Lbs.,	16	20	30	40
Each		$2 00	2 50	3 00	5 00

"California" Water.

Fig. A-2722.

	Nos.	1	2
	Length, Inches,	12	16
	Weight, Lbs.,	40	65
Each		$4 00	6 00

"Pacific."

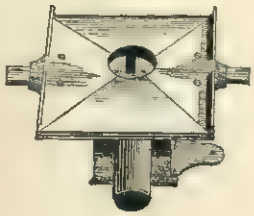


Fig. A-2723

Either right or left hand, with Round or Triangular Ball.

Weight, 50 Lbs . . . . . Each, $5 00

Sutton Tuyere.

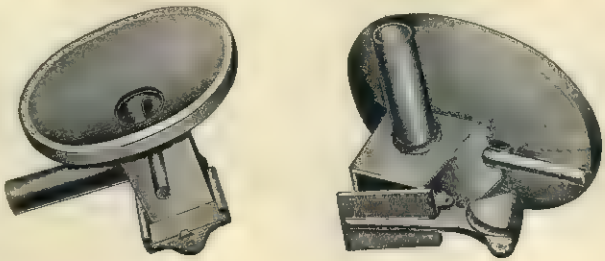


Fig. A-2724.

This Tuyere has the Fire Bowl cast with the Tuyere.

Weight, 40 Pounds . . . . . Each, $5 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Bellows.

Eastern Pattern.

Fig. A-2725.

Size, Inches,	18	20	22	24	26	28	30	32	34	36	38	40
Average Wt., Lbs.,	30	35	40	45	50	55	65	75	85	95	105	115
Price, each .	$9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	19 00	21 00	22 50

California Heavy (Patent Nozzle).

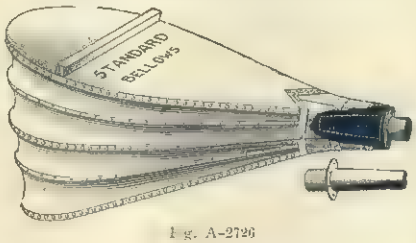


Fig. A-2726

Size, Inches,	18	20	22	24	26	28	30	32	34	36	38	40
Average Wt., Lbs.,	30	35	40	45	50	60	70	80	90	100	115	130
Price, each . . .	$9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	19 00	21 00	22 50

California Extra Heavy (Iron Braced).

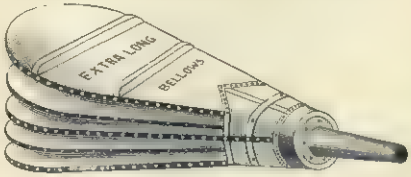


Fig. A-2727.

Size, Inches,	36	38	40	42	44	46	48	50
Average Wt., Lbs.,	150	160	170	200	220	240	260	280
Price, each	$27 00	28 50	30 00	31 50	44 00	57 50	72 00	87 50

Hand Bellows.

Fig. A-2728

Moulders' Bellows.

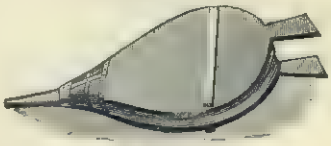


Fig. A-2729

Hand Bellows.

Size, Inches,	6	7	8	9	10	12
Per dozen	$6 00	7 00	8 00	9 00	10 00	12 00

Moulders' Bellows.

Size, Inches,	10	12	14	16
. . . . .	$20 00	24 00	28 00	32 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hand Punch and Shears.

With Drilling and Wire Cutting Attachment.

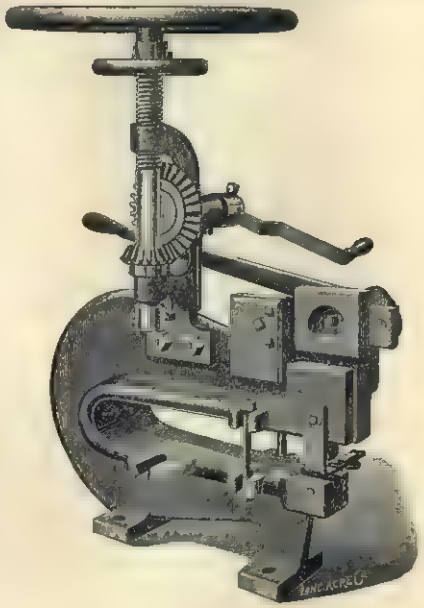


Fig. A–2741.

The machine here illustrated is more especially designed to punch light sheet metal to center of wide sheet. It will easily punch No. 12 iron or other softer metal, ¼ inch hole to the center of a 30 inch sheet, or larger holes in thinner metal that distance from center.

By using the stay bolts, as illustrated, it will punch as large as ¼ inch hole through ¼ inch thickness of iron or its equivalent in thinner metal, 3¾ inches from edge of sheet. The punch and die are instantly adjusted by first passing the punch up through the die seat, and then in the punch socket, and then dropping the die into its seat, the alignment of the holes being so accurate that there is no possibility of careless or incompetent workmen getting them out of line to endanger the breaking or mutilating the punch and die.

The punch, where desired, has a drill attached, which is as efficient as many more costly hand drills. Also shearing and wire-cutting attachment. The shear is for band iron 3-16 thick and 2 inches wide, or by reversing 4 inches wide. The wire cutter will cut iron wire ¼ inch diameter.

Each machine is furnished with 3 punches and dies, ⅛, 3-16, and ¼. Holes for oiling are properly located, and are put there for oil as often as needed. For wire cutting, drop the handle straight down and pull up.

Complete, Shears, Punch, Wire Cutter and Drilling Machine, **$40 00**
The Above, without Drill Attachments **33 00**

Tube Sheet Cutter.

Hayes' Patent.

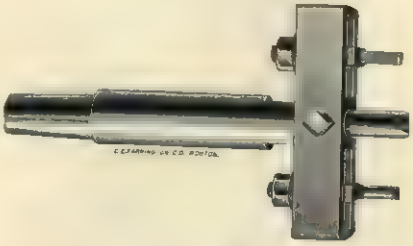


Fig A–2742.

This tool will cut tube holes from 2½ to 6 inches diameter. The knives have a tapering shank which fits a corresponding taper in the cross arms. This taper fitted together with the shoulders clamping upon the bottom of the cross arms makes the tool firm and rigid in any position. It can be easily and quickly adjusted exactly.

The center is best tool steel, ¾ in diameter. It is fluted on the end. The main shank is purposely left large, in order that it may be turned to fit any taper.

Each **$30 00**

Keystone Wire Cutter.

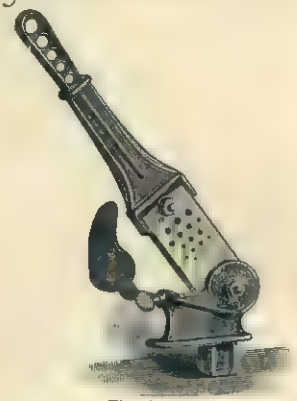


Fig. A–2743.

This Cutter cuts wire rods in short lengths to gauge without leaving burr. It has 14 holes graduated from ⅛ inch to smallest size. No Springs to get out of order. Can be put into vice or on bench and screwed down.

Each **$6 50**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Track Drills.

The "IXL."

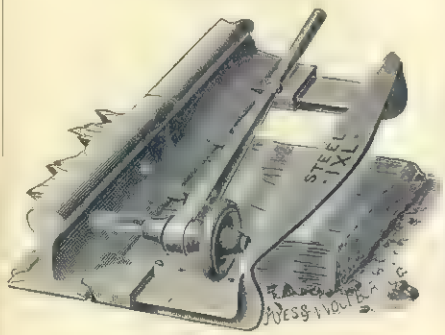


Fig. A-2744

1. It is strong, light and easily operated.
2. The clamp, being of steel, will not break.
3. It drills the holes for a joint without drawing the spikes or moving the clamp.
4. The machine from one hole to another is done more easily than with any other drill.
5. The Ratchet may be used *wherever a ratchet is needed*, it being a good ratchet drill, with hand feed-wheel. **Each, $8.00.**

The Beland.

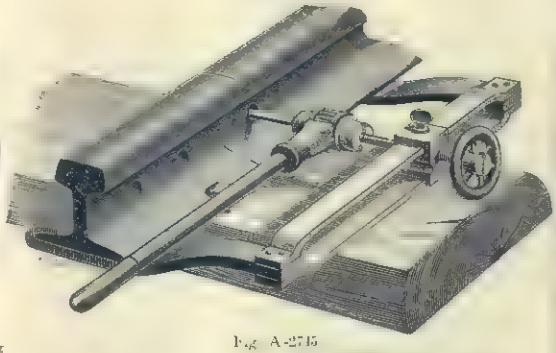


Fig. A-2745

Wrought Iron Frame with Cast Steel and Malleable Iron Ratchet

Each $10 00

Weston's Ratchet Drills.

Style "A"

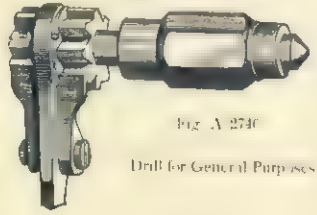


Fig. A-2746

Drill for General Purposes

	Lever, Inch, 12	14
Each	$8 00	8 50

Style "B"

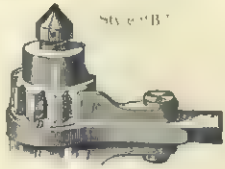


Fig. A-2747.

Boiler Ratchet for Confined Places

	Lever, Inch, 14
Each	$8 00

Space Required, 3½ Inches. Will Feed ½ Inch.

Patent Friction Drills.

SLEEVE.

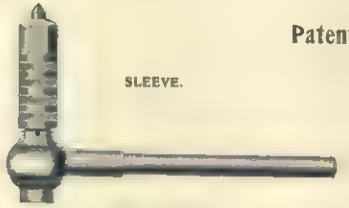


Fig. A-2748

BOILER MAKERS'.

Fig. A-2749.

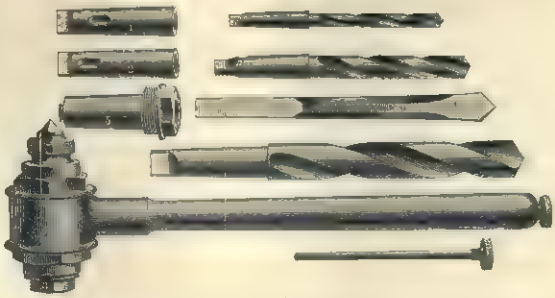
No lost motion. Instantaneous clutch. Will work successfully in places so contracted that a ratchet is entirely useless.

No. 1, 10 Inch Handle . . . . . Each,	$10 00
No. 2, 12 Inch Handle . . . . . "	12 00
No. 3, 15 Inch Handle . . . . . "	15 00
No. 5, 20 Inch Handle . . . . . "	23 00

No. 1, 10 Inch Handle . . . . Each,	$ 9 00
No. 2, 12 Inch Handle	10 50
No. 3, 15 Inch Handle	13 50

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Renshaw's Ratchet Drill.



Group Fig. A–2754.

The handle, 15 inches long, is drop forged, of tough wrought iron. The spindle, of steel, has substantial ratchet teeth cut in its periphery, engaging with a pawl lodged in the handle, which covers both pawl and ratchet, and protects them from dirt. The feed-screw is of steel, 3 inches long 1 7 16 inches diameter, and hollow, being hardened, it is not liable to injury in ordinary use. It gives the drill large capacity in small compass, the length from top of feed screw to bottom of drill collet being only 5 inches. By transferring the collet and feed-screw, as arranged for right hand drilling, to opposite ends of the spindle the ratchet may be used for left hand drilling, a feature that practical men will appreciate. Four sockets are furnished with each drill. Nos. 1, 2 and 3 correspond in size of holes with sockets of same numbers made by the Morse Twist Drill and Machine Company, for drills ¼ to 1¼ inch diameter, with shanks of the Morse standard taper. Socket No 5 is for square shank drills of any size between ½ to 1½ inch diameter, which are the extreme sizes that this ratchet is adapted to carry. No. 3 and No. 5 sockets are held in the spindle by screw thread. No 1 and No 2 sockets have taper shanks fitting No. 3 socket, and can be forced out of position by turning in the feed screw until it bears upon their end. The feed-rod, when not in use, is placed in the handle and held by screw thread. The sockets can be utilized in any drilling spindle that may be fitted to receive them.

Ratchet Drill Complete, without Drills **$25 00**

Ratchet Drills.

STANDARD.

All Polished.

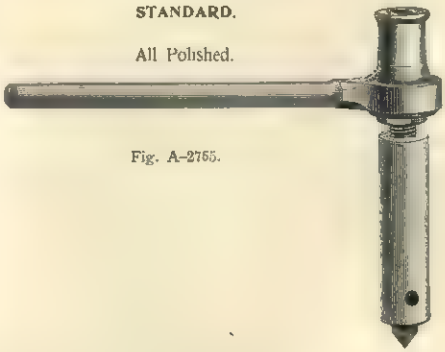


Fig. A–2755.

Numbers,	1	2	3
Lever, Inches,	12	15	20
Each	**$9 00**	**10 50**	**12 00**

Angular Ratchet Drills.

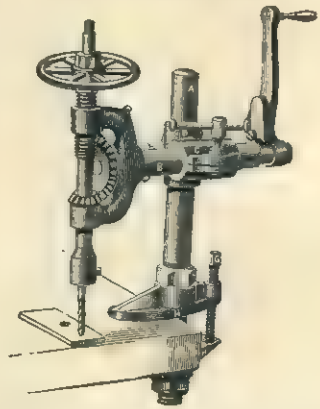


Fig A–2756.

They will work at any angle. By placing the crank on the drill spindle, it will work with a ratchet or without. We send a chuck with each machine which will hold 1/16 to ¼ inch drills.

PRICES.

No. **2.** Weight 52 Pounds, Drills up to 1 Inch Hole, **$25 00**
No **3.** Weight 106 Pounds, Drills up to 1½ In. Hole, **40 00**

The No. 2 Drill has two sets of gears, making either speeded or geared back machine.

New Swivel Clamp Drill.

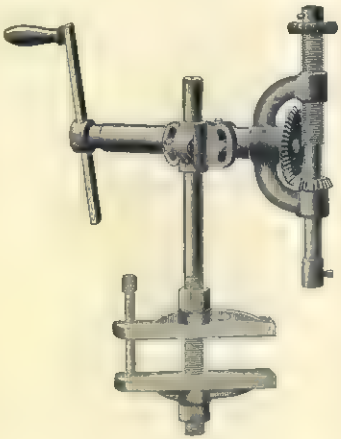


Fig. A-2757

Takes 41-64 Inch Round Shank Twist Drills

Each $20 00

Upright Bench Drills.

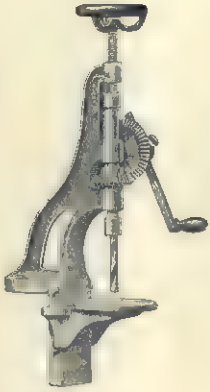


Fig. A-2758. No. 8

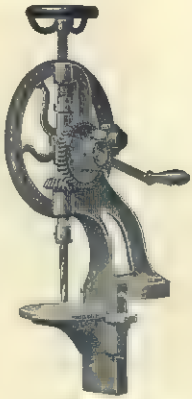


Fig. A-2759. No. 9

Number,	8	9
Drills Hole, Inch,	½ to ¾	⅛ to ⅝
Weight, Pounds,	55	75
Each,	$12 00	15 00

Takes 41-64 Inch Round Shank Twist Drills.

Prices Given Are for Machines Only. Twist Drills Are Extra.

Horizontal Drills.

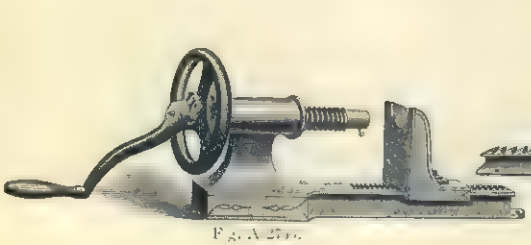


Fig. A-2760.

Horizontal Nos. 0 and 4

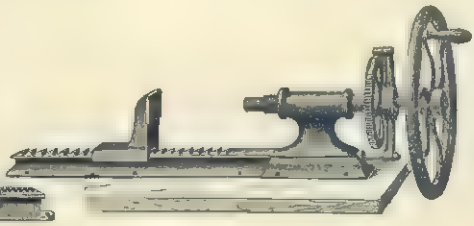


Fig. A-2761.

Horizontal Nos. 2 and 5

No. 0	Plain Finished Japanned Drill 26 Inches Long	Each, $ 4 00
No. 4.	Well Finished Drill, 26 Inches Long	" 6 00
No. 2	Ratchet Feed, 33 Inches Long, Plain	" 10 00
No 5	Ratchet Feed, 44 Inches Long, with Fly Wheel	" 20 00

Prices Given Are for Machines Only. Twist Drills Are Extra.

Upright Self-Feeding Drills.

"SUNSET."

Suitable for Drills from ⅛ to 1 Inch.

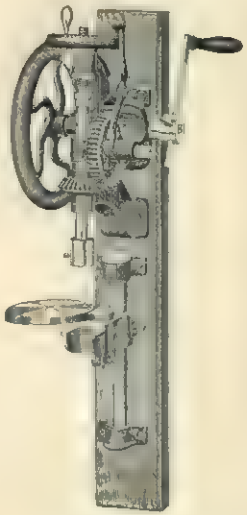


Fig. A 2762

A 1.

Suitable for Drills from ⅛ to 1 Inch.

Fig. A–2763.

NO. 1.

Suitable for Drills from ⅛ to ¾ Inch.

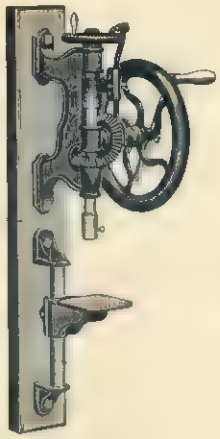


Fig. A–2764.

Length, 42 Inches. Weight, 98 Pounds.

Prices and Description.

"Sunset."

This Drill is double back-geared, and can be changed from slow to fast speed. Takes 41-64 inch round shank twist drills.

Each $15 00

A1.

The screw is cut in the solid steel of the spindle itself; the feed nut, in the shape of a wheel, runs with the spindle and does not feed until sufficient force is used to run slower than the spindle. By applying friction to this nut or wheel by way of a brake the spindle is forced up or down according to the direction it is driven. The eye being kept on the work the feed is regulated according to circumstances, care being taken not to apply too much pressure to the thumb-screw in using small drills.

The point of the drill is lifted swiftly out of the finished hole by simply turning the crank backwards,—a great convenience and saving of time, the left hand being always free.

The swing table is of construction, saves at least half the usual friction, and the remainder is greatly reduced by the use of anti-friction ball bearings where the thrust of the spindle comes.

The bed-piece is entirely of iron, the gears keyed in place, and everything made to stand long service.

Can not be fitted for power.

A1.—Drills as large as 1 inch in diameter and to center of 15-inch circle. Hole in spindle, takes 4½ inch Round shank, twist drills. Run of feed, 4¾ inches. Table can be raised or lowered 14 inches. Weight, boxed, 175 pounds.

Each $18 00

No. 1.

Has 3 Changes of Automatic Self-feed instantly adjusted from fine to coarse. Takes 41-64 inch round shank twist drills.

Each $28 00

Twist Drills Are Not Included in Above Prices.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Upright Self-Feeding Drills.

NO. 1½.
Suitable for Drills from ⅛ to 1 Inch.

NO. 2.
Suitable for Drills from ⅛ to 1¼ Inch.

NO. 3.
Suitable for Drills from ¼ to 1½ Inch.

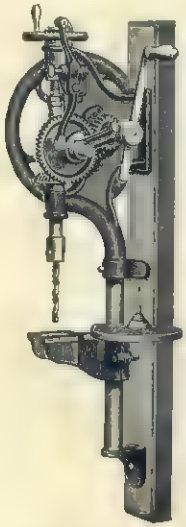


Fig. A–2765.
Length 44 Inches. Weight, 120 Pounds.

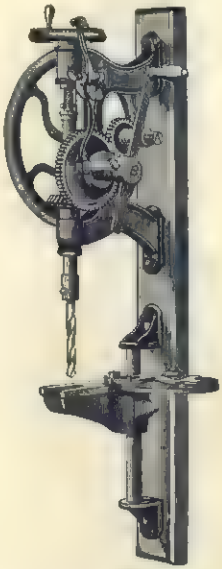


Fig. A–2766.
Length, 54 Inches. Weight, 160 Pounds.

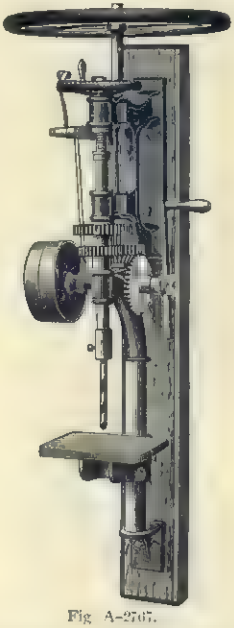


Fig. A–2767.
Length, 65 Inches. Weight, 250 Pounds.

Prices and Descriptions.

No. 1½.

This machine has nearly a continuous feed, which may be quickly adjusted by a thumb-screw to three rates of speed. A fast or slow motion may be given the Drill by changing the handle from shaft **A** to shaft **B**, as desired by the operator. By this arrangement the capacity of the Drill has been increased nearly one-third.

Each **$34 00**

Takes 41-64 Inch Round Shank Twist Drills

No. 2.

Is similar to No. 1½ and has all the late improvements. The Swing Table as applied to these machines will be found useful in many ways, and much more convenient than the old method of driving them in and out with a hammer, thereby running the risk of breaking the foot-piece. It is out of the way when not in use and may be quickly swung into position when wanted.

Each . . . . . **$48 00** **Arranged for Power with Pulleys** **$52 00**

Takes 41-64 Inch Round Shank Twist Drills.

No. 3.

Has cut gears so arranged that a quick or slow motion may be given the Drill as desired, for light and heavy work, making it a desirable tool for the machine shop or factory answering as well as higher cost machines. Can be used for either Hand or Power.

With Pulleys **$79 00**

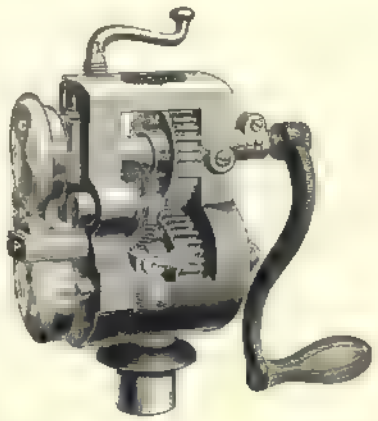
Takes 41-64 Inch Round Shank Twist Drills.

Twist Drills are not included in the above prices.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

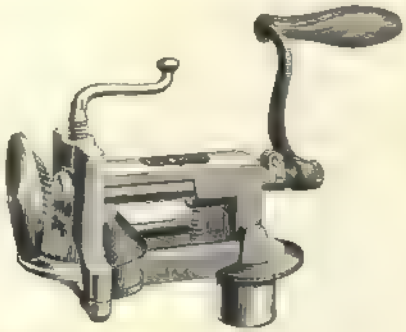
TINNERS' MACHINES.

COLUMBIAN WIRING



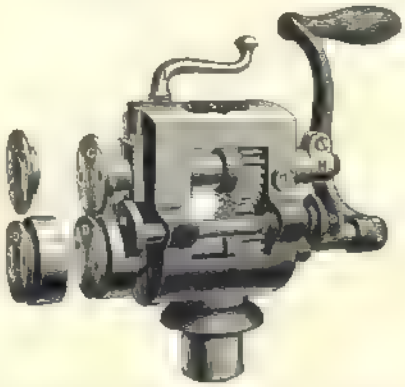
With Standard, - - - - - each $12.00

COLUMBIAN SETTING DOWN.



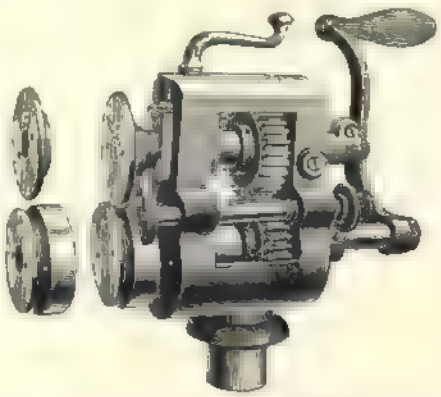
With Standard, - - - - - each $9.75

COLUMBIAN TURNING.



With Extra Upper and Lower Face.

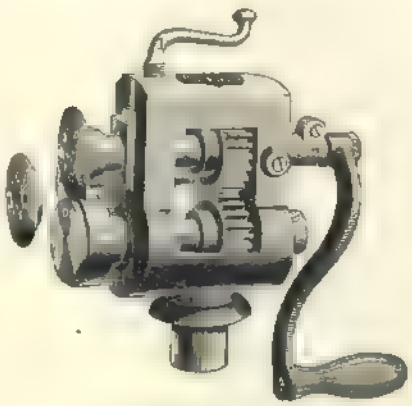
Small, with standard, - - - - - each $9.75



With Extra Upper and Lower Face.

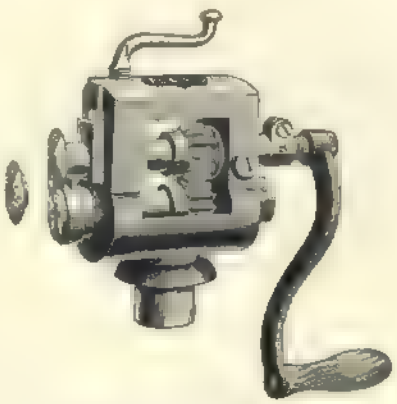
Large, with standard, - - - - each $10.00

COLUMBIAN BURRING.



With Extra Upper Face.

Small, with standard, - - - - - each $8.50

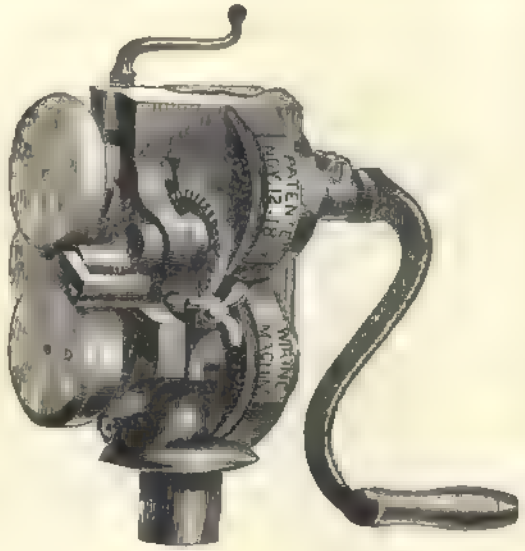


With Extra Upper Face.

Large, with standard, - - - - each $9.00

TINNERS' MACHINES.

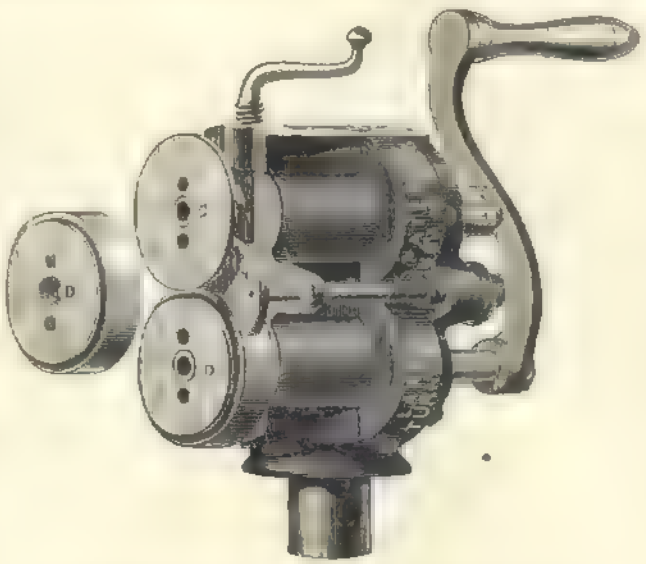
STOW'S ENCASED WIRING MACHINES.



With Adjustable Boxes and Duplicate Parts.

With Standard,	each	$14.00
Without Standard,	"	13.25

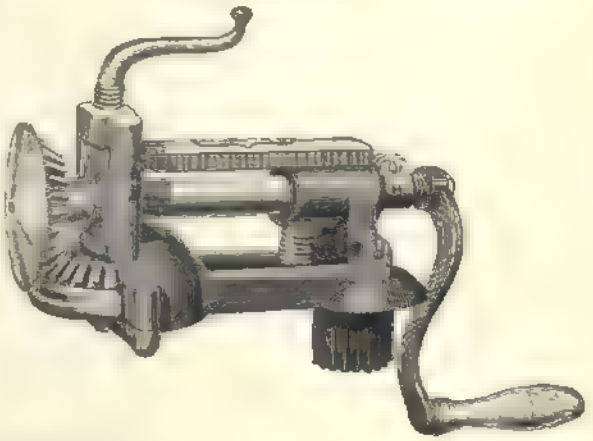
STOW'S ENCASED TURNING MACHINES.



With Extra Faces, Adjustable Boxes and Duplicate Parts.

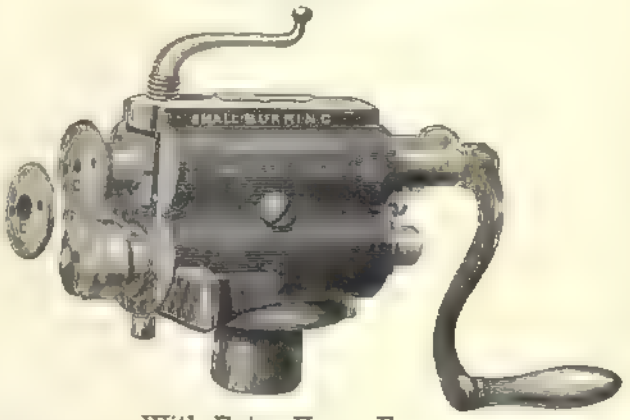
Small, with standard,	each	$11.25
Small, without standard,	"	10.50
Large, with standard,	"	11.50
Large, without standard,	"	10 75
Extra Faces,	"	1.00

STOW'S ENCASED SETTING DOWN MACHINES.



With Standard,	each	$9.75
Without Standard,	"	9.00

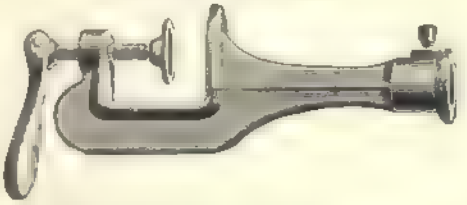
STOW'S ENCASED BURRING MACHINES.



With Extra Upper Face.

Small, with standard,	each	$10.00
Small, without standard,	"	9.25
Large, with standard,	"	10.50
Large, without standard,	"	9.75

STOW'S IMPROVED MACHINE STANDARDS.

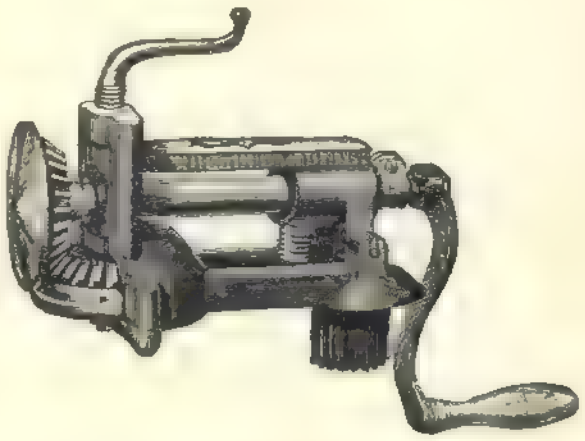


Improved Machine Standards, - each $1.00

These standards are so made to be used on any bench, varying in thickness from one to three and one half inches. The necessity of cutting holes in the bench is obviated, and the tinner is enabled to use a machine in any part of his shop most convenient to his work. The wrench is always attached to the standard. These standards are also adapted to Raymond's machines.

TINNERS' MACHINES.

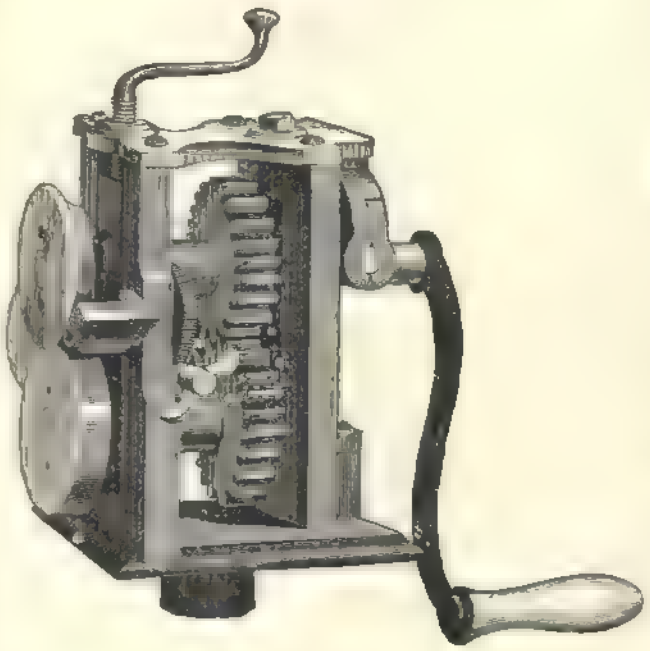
RAYMOND'S PATENT SETTING DOWN MACHINES.



With Adjustable Boxes.

With Standard,	each	$9.75
Without Standard,	"	9.00

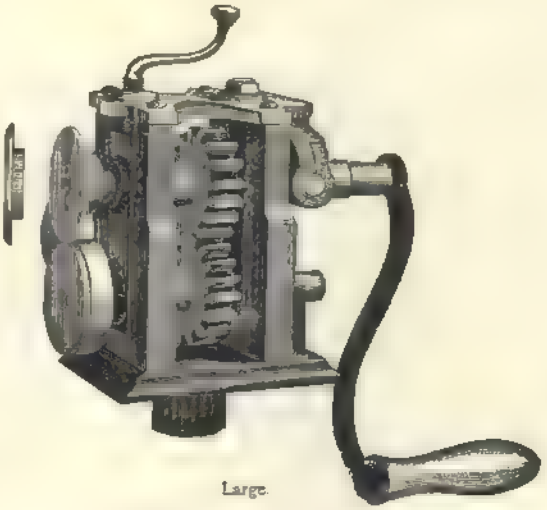
RAYMOND'S PATENT WIRING MACHINES.



With Adjustable Boxes.

With Standard,	each	$12.00
Without Standard,	"	11.25

RAYMOND'S PATENT BURRING MACHINES.

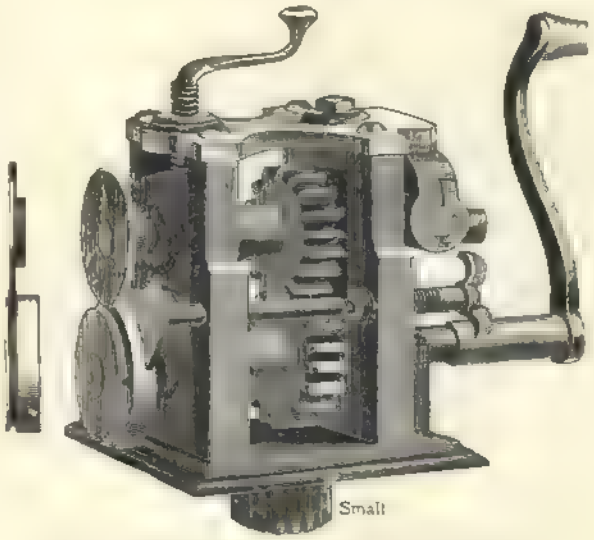


Large.

With Extra Upper Face.

Small, with stand,	each	$8.50
Small, without stand,	"	7.75
Large, with stand,	"	9.00
Large, without stand,	"	8 25

RAYMOND'S PATENT TURNING MACHINES.



Small

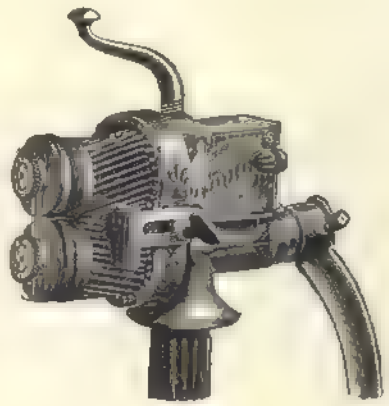
With Adjustable Boxes and Extra Faces.

Small, with standard,	each	$10.00
Small, without standard,	"	9.25
Large, with standard,	"	10.25
Large, without standard,	"	9.50

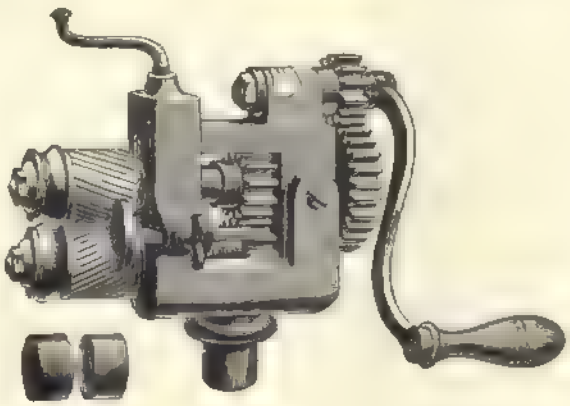
Stow's Improved standards are adapted to all of Raymond's machines.

TINNERS' TOOLS AND MACHINES.

CRIMPING MACHINES.

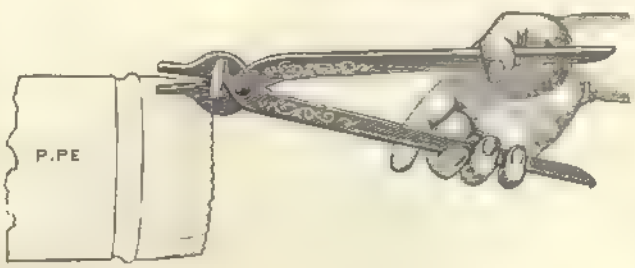


Packham's, for stove and conductor pipe, each $10 00



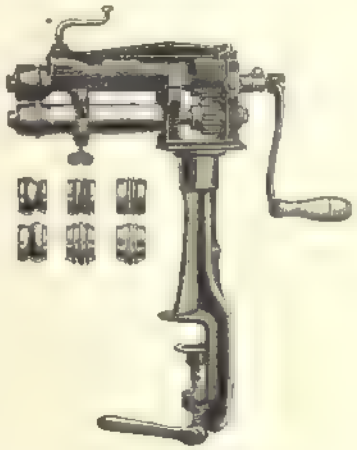
No. 7–Stove pipe crimper and beader, complete with standard each $12.00

CRIMPING TONGS.



Packham's, for pipe and metal, per pair $1 25

STOW'S PATENT BEADING MACHINES.



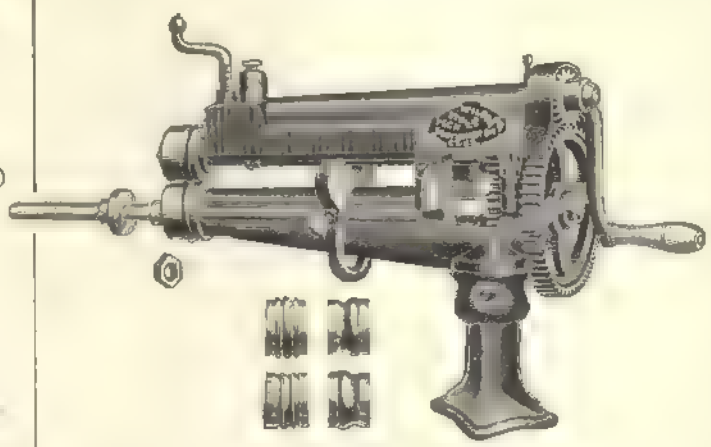
No. 4 with Standard.

With Adjustable Boxes and Duplicating Parts.

No. 4–6 in., with 4 pairs of rollers and rotary standard, each $19.75
No. 5–4 in., for tin, with 5 pairs of rollers and rotary standard, each 16.75

The 4 pairs of rollers accompanying the No. 4 beader, are the single bead, ogee bead, small triple bead and triple coffee pot bead.

IMPROVED BEADING MACHINES.



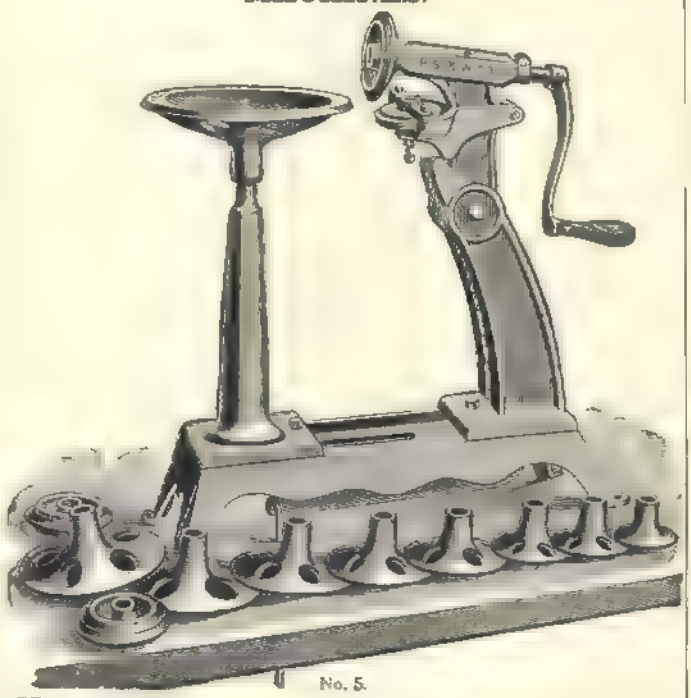
No. 1. with Standard.

No. 1–13 in., with 3 pairs rollers and rotary standard, each $32.25
No. 2–10 in., with 3 pairs rollers and rotary standard, each 31.25
No. 3– 7½ in., with 3 pairs rollers and rotary standard, each 26.25

The impressions given are 1⅛ in., 1 in., ⅜ in., ½ round, ogee coffee pot, cullender, elbow, astragal, and any form required.

TINNERS' MACHINES.

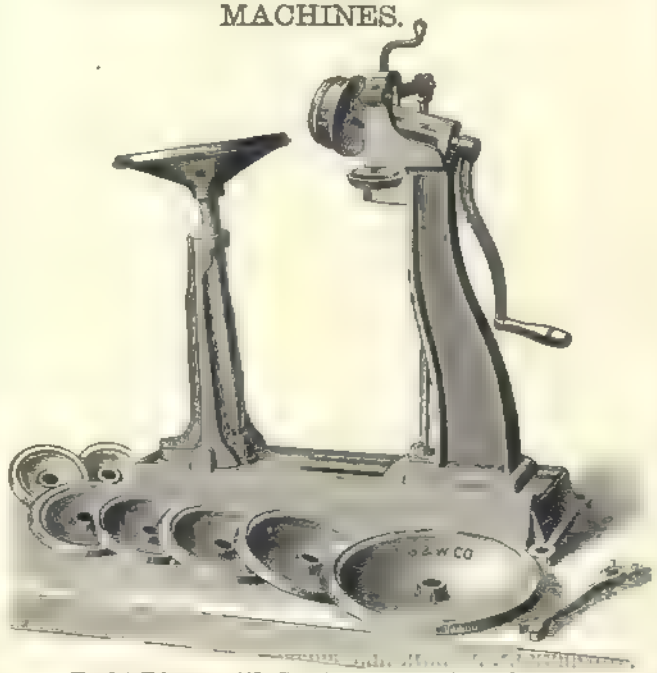
STOW'S PATENT DOUBLE SEAMING MACHINES.



No. 5.

No. 5–With setting down attachment, each $28.00
No. 10–Without setting down attachment, " 24.00
Extra Discs, " 1.25
Extra Heads, " 2.50

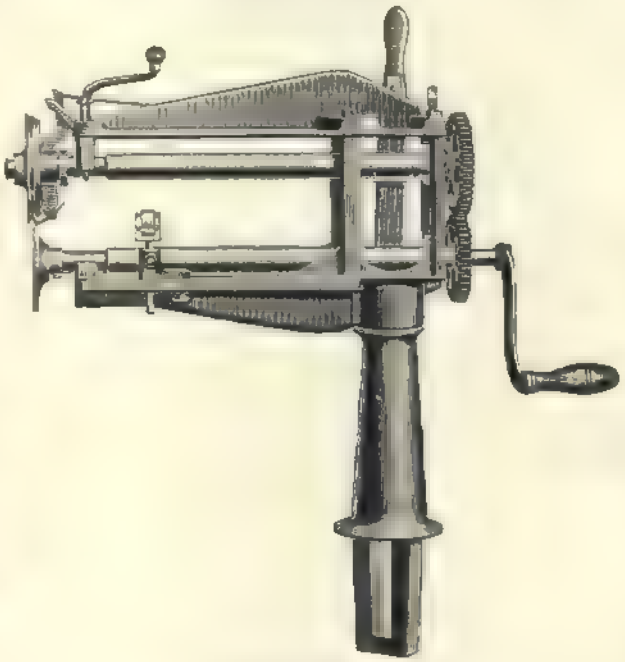
OLMSTED'S DOUBLE SEAMING MACHINES.



Eight Discs, with Setting Down Attachment.

No. 1, each $30.00
Extra Discs, " 2.00

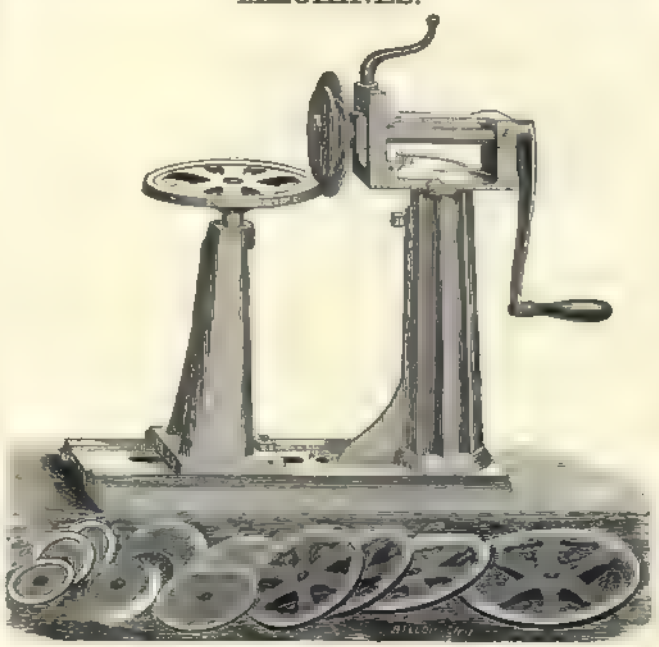
MOORE'S PATENT DOUBLE SEAMING MACHINES.



With Standard.

No. 2–Moore's patent, 13 in., for common work, each $19 00
Extra Faces, each 2.50

HULBERT'S PATENT DOUBLE SEAMING MACHINES.

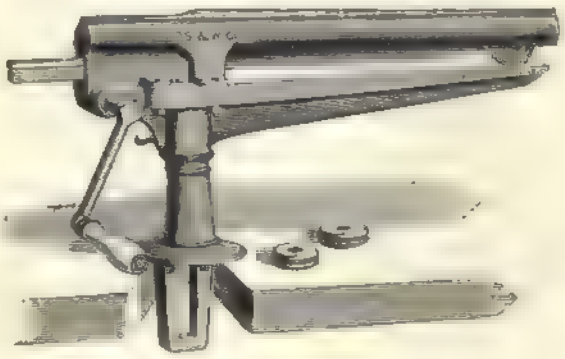


Ten Discs, Four Faces.

No. 1–With deflector, each $30.00
No. 2–Without deflector, " 25 00

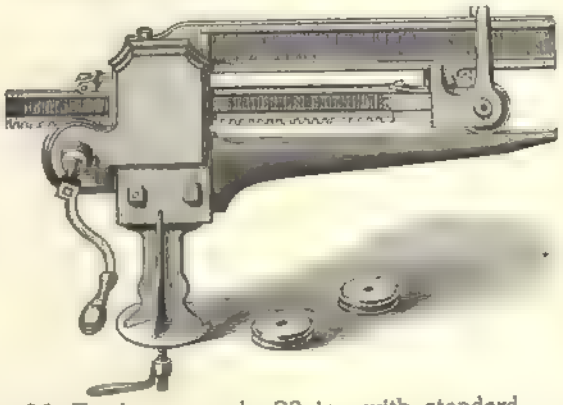
TINNERS' MACHINES.

ENCASED GROOVING MACHINES.



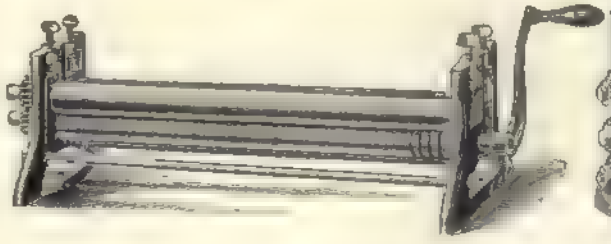
No. 1 For heavy work, 20 in., with rotary standard, - - - - - each $13 50
Extra Standards, - - - - - " 75
Extra Rollers, - - - - - " .75

BRASS MOUNTED GROOVERS.



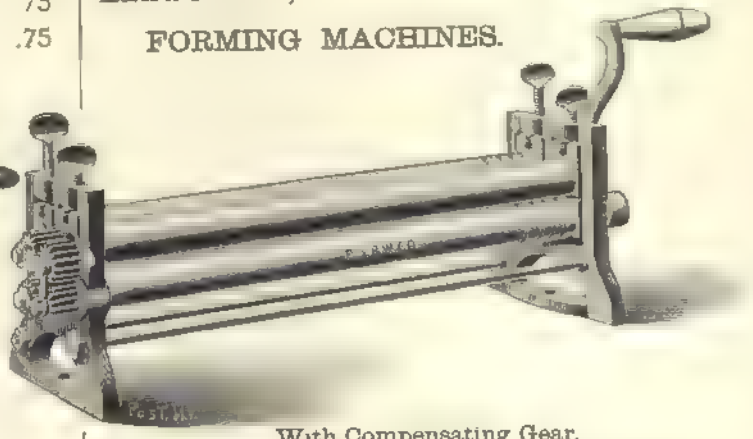
No. 01 For heavy work, 20 in., with standard, each - - - - - - - - $13 50
Extra Standards, - - - - - each 75
Extra Rollers, - - - - - .75

FORMING MACHINES.



No. 2-Stove pipe former, 1¾ in rolls, 30 in long, each - - - - - - - - - $18.00
No. 1 Stove pipe former, 2 in rolls 30 in. long, each - - - - - - - - - 19.00

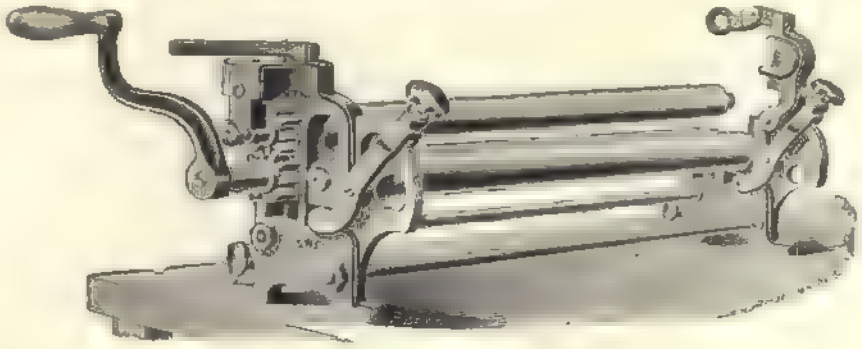
FORMING MACHINES.



With Compensating Gear.

No. 11–Patent stove pipe former, 1¾ in. rolls, 30 in. long, - - - - - - each $19.00
No. 12 Patent stove pipe former, 2 in rolls, 30 in. long, - - - - - - each 20.00

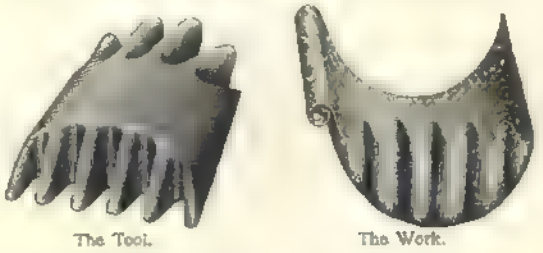
FORMING MACHINES.



No. 100–Grannis' patent slip roll, stove pipe former 2 in rolls, 30 in long. - - - - - each $22.00

TINNERS' TOOLS AND MACHINES.

EAVE TROUGH END FORMERS.



The Tool. The Work.

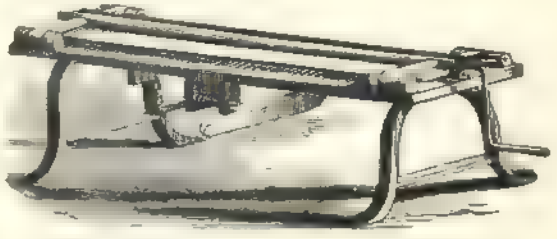
No. 6–Bishop's, cast iron, two sizes, for 3 to 5 in. trough, - - - - - per set of two $1.50

For closing end of eave trough in corrugations as shown in Illustration. An end can be closed much quicker, neater and cheaper than in any other way. A cut trough can have an end put in both parts, preventing waste. Old work can be closed from a ladder. The frost will not burst the end out. The forms are light enough to use anywhere where you wish the work done, and are made in two sizes on which you can close all sizes from 3 to 5 in. trough.

GUTTER BEADERS AND RODS.

No. 11–Iron bottom, with enclosed rod, 20 in. long, 3/8, 1/2 and 5/8 in. rod, - - each $4.00
No. 02 Iron bottom, with enclosed rod, 30 in. long, 5/8 and 3/4 in. rod, - - - each 6.00
Gutter Rods, steel, 3/8, 1/2 and 5/8 in. diameter, 20 in. long, for No. 11 beaders, - each 2.00
Gutter Rods, steel, 1/2, 5/8 and 3/4 in. diameter, 30 in. long, for No. 02 beaders, - each 3.00

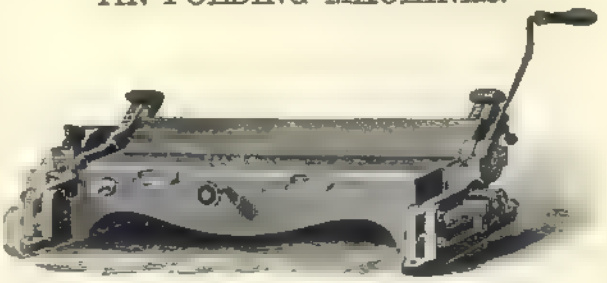
GUTTER BEADERS.



No. 10–Stow's improved, cast steel rod, 20 in long, - - - - - - - each $5 50

No. 1–Stow's patent, cast steel rod 20 in long by 3/8, 1/2 and 5/8 in. diameter, - each $ 5.50
No. 0 Stow's patent, cast steel rod, 30 in. long by 1/2, 5/8 and 3/4 in. diameter, - each 10.00

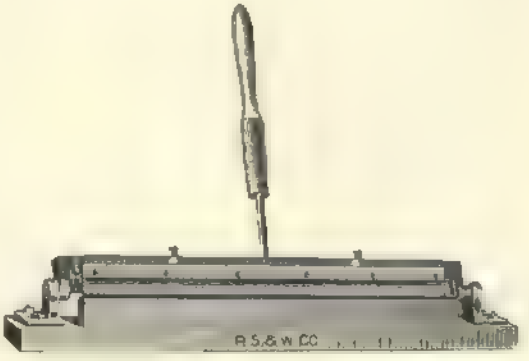
TIN FOLDING MACHINES.



No. 152-Stow's patent adjustable, 20¾ in will turn locks from 1/8 to 1 in., - each $30.00
No. 154 Stow's patent adjustable, 31 in., will turn locks from 1/8 to 1 in., - - each 40.00

SHEET IRON FOLDING MACHINES.

No. 1–30 in., Wright's improved, without strips, will turn locks 1/8 and 1/4 in., - each $12.00
No. 12–30 in., Wright's improved, with steel strips, will turn locks 1/16, 1/8, 1/4 and 5/8 in., each - - - - - - - - 15.00



No. 1–30 in., wood bottom, - - each $10.00

TINNERS' MACHINES.

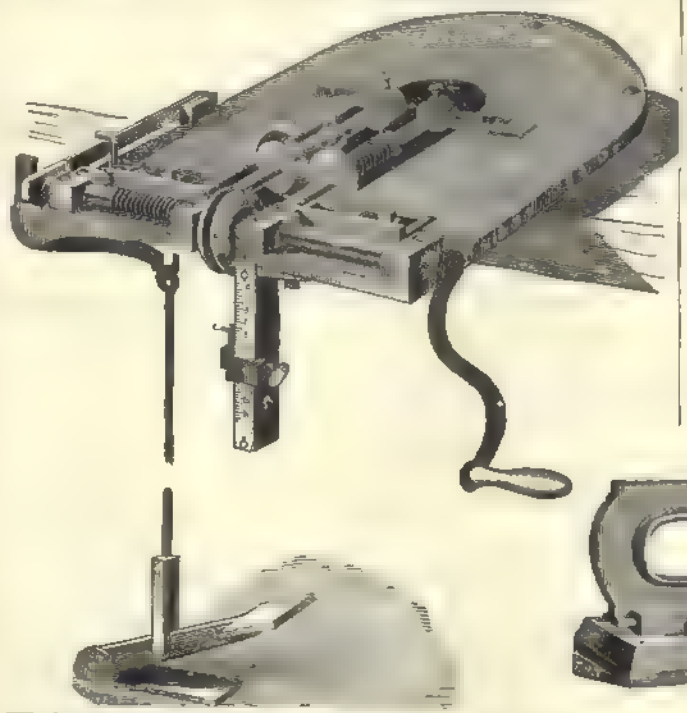
STOW'S IMPROVED SQUARING SHEARS.

For Cutting Sheet Metal.

No. 120–With frame, for tin, cuts 22 in., each - - - - - - - $35 00

No. 130–With frame, for sheet iron, cuts 31 in., each - - - - - - - - - - 50.00

NEWTON'S CIRCULAR SHEARS.



With Two Pairs of Discs, One Pair Each of 2⅜ and 5⅞ Inches in Diameter.

Newton's, - - - - - - each $22.00

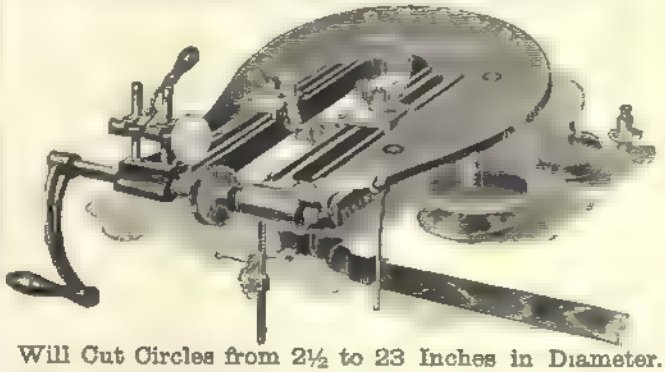
Will cut circles from 3 to 14 in. in diameter.

HULL'S ACME SQUARING SHEARS.

For Cutting Sheet Metal.

No. 2–Acme, with frame, cuts 31 in., - each $50 00

FLANDER'S CIRCULAR SHEARS.

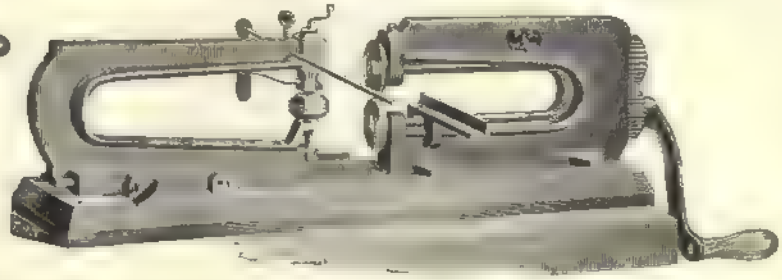


Will Cut Circles from 2½ to 23 Inches in Diameter.

No. 1–For tin, with 4 pairs of discs, one each, 1⅞, 3, 4⅞ and 7⅝ in. in diameter, 1 pair of cutters, without edge turner, - each $25.00

No. 1–With edge turner, as shown above, " 30.00

WAUGH'S CIRCULAR SHEARS.



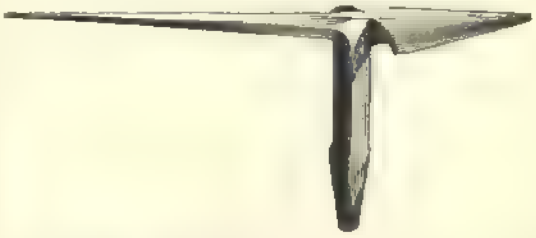
Will Cut Circle from 2¼ to 16 Inches in Diameter.

No. 1–For tin, with one pair discs and cutters, each - - - - - - - - $33.00

TINNERS' TOOLS.

WROUGHT IRON STAKES, WITH STEEL FACES.

No. 1–Large stake or beakhorn, 45 lbs, each $15 00



Common Blowhorn, large end 9 in, small end 17½ in., - - - - each $5.00

No. 1 Double seaming, large end 17 in, small end 12 in, - - - - - each $9.00
No. 2–Double seaming, each end 11 in, " 8.00

Creasing

Creasing, with Horn

Common Creasing, 14½ in. long, - each $4.00
Creasing with Horn, round end 9½ in, flat end 6½ in., - - - - - each 4.50

Canada Mould.

Needle Case.

Needle Case, flat end 8 in., small end 10½ in., - - - - - each $2.25
Candle Mould, small end 8 in, horn 8½ in., each - - - - - - 2 75

Square.

Hatchet.

Square.

Common Square, face, 2⅝×4½ in., - each $3.00

Hatchet.

No. - -	1	2	3	4	5	6
Length of blade, in,	16	14½	13	11	9	7
Each - -	$5.00	4 25	3 50	2 75	2 25	1 75

CAST IRON STAKES.

Double Seaming, with four heads, - - - - - - - - - - each $9.00
Extra Heads, for double seaming, - - - - - - - - - - " 1.50

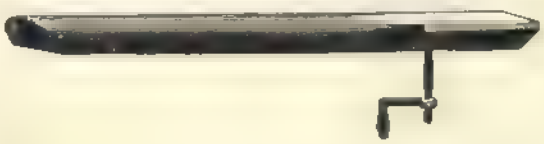
TINNERS' TOOLS.

CAST IRON STAKES.

Round Head, - - - - - each $1.25

No. 0–Mandrel, 3 ft. 4 in. long to the standard, each - - - - - - - - - $6.00
No. 1–Mandrel, 2 ft. 10 in. long to the standard, each - - - - - - - - - 5.00

No. 1–Conductor, turned, large end 15 in., small end 11¼ in. long, - - - each $4.00



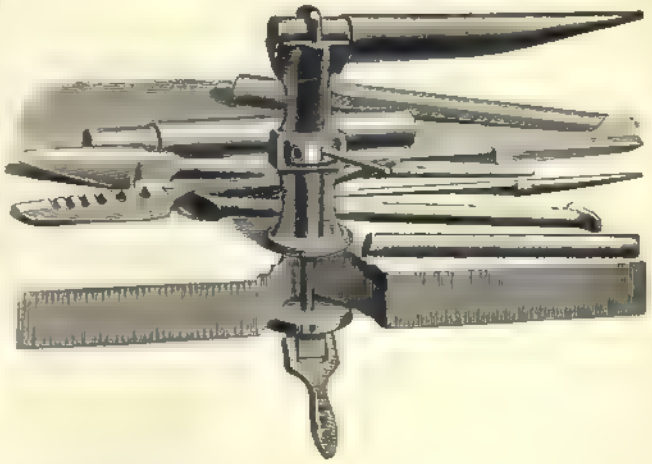
Hollow Mandrel, 3 ft. 4 in., entire length, each $5.50

BENCH PLATES.

Cast Iron, Polished.

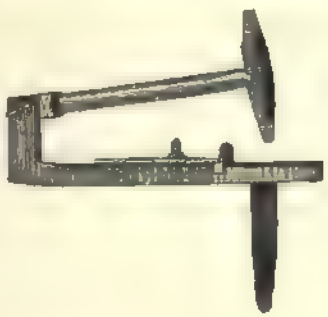
No. 1–37×8 in., - - - - - each $5.00
No. 2–30×8 in., - - - - - " 3.00

UNIVERSAL STAKE HOLDERS.



Stake Holder, - - - - each $ 4.00
Beakhorn, for stake holder, - - " 10 00
Blowhorn, for stake holder, - " 3.75
Creasing and Horn, for stakeholder, " 3.50
Double Seaming, for stake holder, - " 6 00
Conductor, for stake holder, - - " 4.00
Candle Mould, for stake holder, " 2.00
Needle Case, for stake holder, - " 1.75
Full Set, complete, with stake holder, " 35.00

SQUARE PAN SWEDGES.



Square Pan Swedges, - - - each $5.00

SQUARE PAN TURNERS.

No. 1–Square pan turners, steel, 20 in., each $2.50

TINNERS' TOOLS.

ROOFING DOUBLE SEAMERS.

Roofing Double Seamers, 2 pairs to match, per set - - - - - - - - $1.75

WOOD ROOFING FOLDERS.

20 in., improved, with gauge, - - each $3.50
30 in., improved, with gauge, " 5 00
30 in., common, without gauge, " 3 50

ROOFING TONGS.

Steel, ½, ¾, 1, 1¼, 1½ in, per pair $3 00

GUTTER TONGS.

Gutter Tongs, - - - - per pair $5.00

BURRITT'S ROOFING DOUBLE SEAMERS.

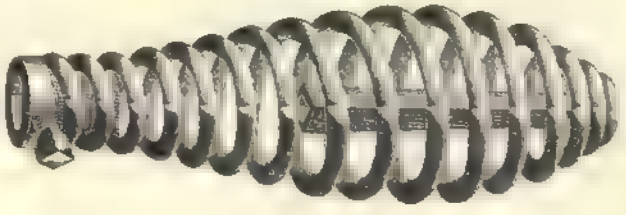
For Standing Lock Tin Roofing.

1 to 1¼ in., - - - - - each $25.00
1¼ to 1½ in., - - - - - " 25.00

SOLDERING COPPERS.

Pointed, 1, 1½, 2, 3, 4, 5, 6 and 8 lbs. per pair, per lb. - - - - - - - - $0 35
Wedge Point, 4, 5 and 6 lbs. per pair, per lb. 35
Square Point, with shield, 11 and 12 lbs. per pair, - - - - - - - per lb. .35

ALASKA SOLDERING COPPER HANDLES.

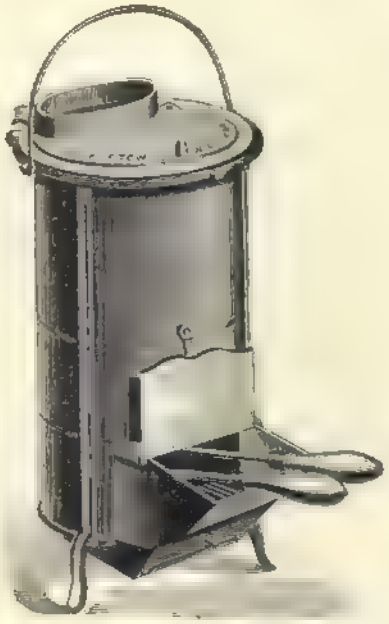


Nickel Plated.

⅝ in., for 1 and 1½ lb. coppers, - per doz. $1.75
¾ in., for 2 and 3 lb coppers, - " 1.75
⅞ in., for 4 to 8 lb. coppers, - - " 2.00

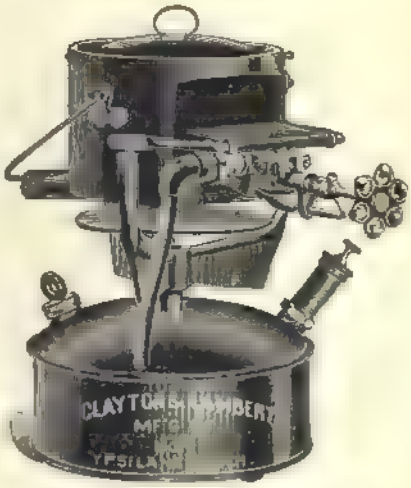
TINNERS' TOOLS.

CHARCOAL FIRE POTS.



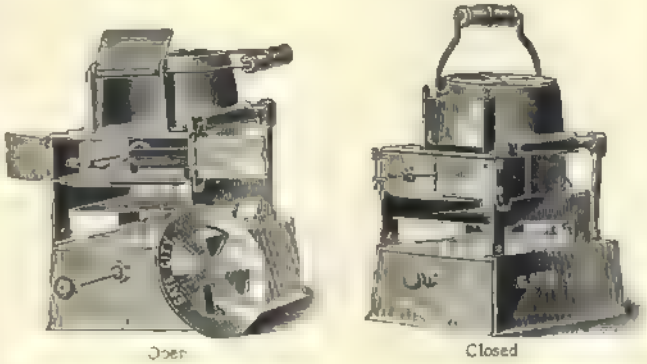
Buttles' Patent, charcoal, · · each $4.00

GASOLINE FIRE POTS.



No. 1 Fixed pump, diameter at top 6¾ in., each $7.00
No. 7–"Special," fixed pump, diameter at top 6 in., · · · · · · · each 5.50

GASOLINE FIRE POTS.



No. 8–Gate City, galvanized reservoir, fixed pump, iron top, weight 13 lbs., · · each $7.00

SOLDERING SALTS.

2 oz. bottles,	per doz.	$ 2.00
8 oz. bottles,	"	4.00
1 lb. bottles,	"	7.00
5 lb. jars,	each	2.25
10 lb. jars,	"	4.25
25 lb. jars,	"	10.50

A complete substitute for the usual mixture used for soldering purposes. It makes a better joint, is safer, cleaner, more convenient, and cheaper than the old-fashioned method. Uniform in strength and unaffected by climatic changes.

Wrought Iron Padlocks.

No. 7502 [illegible] Self-Locking, One Key, [illegible] Per Dozen $
" 00000 [illegible] Japanned Self-Locking Spring Shackle, One Key [illegible] "

One Dozen in a Box.

No. 1037 [illegible] Self-Locking Spring Shackle, Revolving Key Pin, one Flat Steel Key, Per Dozen $
" 1037x2—Same as No. 1037, with Two Keys to each Lock, [illegible] "
" 3011 [illegible] Brass Revolving Key Pin, Flat Steel Key, [illegible] "
" 3011x2—Same as No. 3011, with Two Keys to each Lock, [illegible] "

No. 1037, One Dozen. No. 3011, Half Dozen in a Box

Wrought Iron Padlocks.

No. 000—2½ in., Japanned, One Key. . . . . Per Dozen $
" 00—2½ in., " Brass Drop, One Key, ... "

One Dozen in a Box.

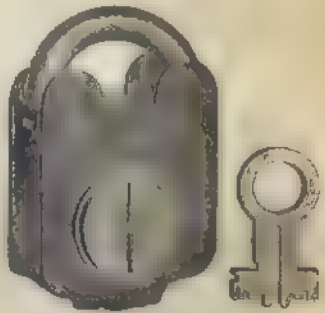
No. 0 —2½ in., Japanned, Raised Bushing, Brass [illegible] Key . . . . Per Dozen $
" 1021 —2½ " " Brass " One [illegible] Key . . . . . "
" 1021×2—Same as No. 1021 with Two Keys to each lock . . . . . "

One Dozen in a Box.

Wrought Iron Padlocks.

No. 1000	2½ in., Japanned, Brass Plunger, Drop, One Key		Per Dozen, $
" 1000 x 2	Same as No. 1000, with Two Keys to each Lock,		"
" 1002	3 in., Japanned, Brass Plunger, Drop, One Brass Key		"
" 1002 x 2	Same as No. 1002, with Two Keys to each Lock,		"

HALF DOZEN IN A BOX.



No. 1013	2½ in., Japanned, Self-Locking Padlock, Shackle, Brass Plunger and Drop, Revolving Key Plate, Steel Key	Per Dozen, $
" 1013 x 2	Same as No. 1013, with Two Keys to each Lock,	"
" 1013	3 in., Japanned, Self-Locking Padlock, Shackle, Brass Plunger, Solid Brass Chamber, One Double Steel Key,	"
" 1013 x 2	Same as No. 1013, with Two Keys to each Lock,	"

HALF DOZEN IN A BOX.

Wrought Iron Padlocks

		Per Dozen, $
No. 1053	— 2½ in. Japanned Self-Acting Solid Steel Shackle, Brass Bushing, Key Pin Double Number Combination Tumbler Rotary Movement, One Key	
" 1053 x 2	— Same as No. 1053, with Two Keys to each Lock	
" 1048	— 2½ in. Japanned, Self-Locking Solid Steel Shackle, Brass Bushing, One Key,	
" 1048 x 2	— Same as No. 1048 with Two Keys to each Lock	

In 6 Dozen in a Box

		Per Dozen, $
No. 1	— 2½ in. Japanned, Brass Drop, One Key	
" 1023	— 2½ in. Japanned, Brass Bushing and Drop, One Key	
" 1023 x 2	— Same as No. 1023, with Two Keys to each Lock	

No. 1 in One Dozen, No. 1023, Half Dozen in a Box

Wrought Iron Padlocks.

No. 1030 —2½ in., Japanned Brass Bushing and Drop, Revolving Key Pin, One Flat Steel Key Per Dozen, $
" 1030 x 2—Same as No 1030, with Two Keys to each Lock, " " " " "

Half Dozen in a Box

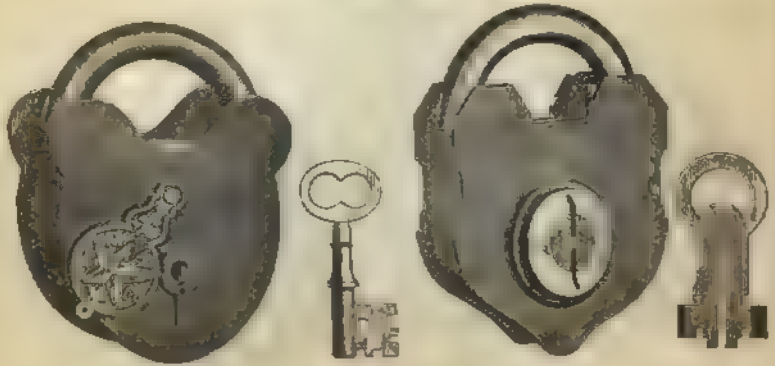
No. 1025 —2½ in., Japanned, Self-Locking Spring Shackle Brass Bushing and Drop, One Key Per Dozen, $
" 1025 x 2—Same as No. 1025, with Two Keys to each Lock, " " " " "
" 1061 —2½ in. Japanned, Self-Locking Spring Shackle, Engraved Bushing One Key, " "
" 1061 x 2—Same as No 1061 with Two Keys to each Lock, " " " " "

Half Dozen in a Box

Wrought Iron Padlocks.

No. 1002	2½ in. Japanned, Brass Bushing, Double Chamber, One Double Bit Key	per dozen $
" 1002 × 2	Same as No. 1002, with Two keys to each lock	"
" 1004	2½ in. Japanned, Brass Bushing, Reversible Key	"
" 1004 × 2	Same as No. 1004, with Two Keys to each lock	"

Half Dozen in a Box.



No. 1005	2½ in. Japanned, Brass Bushing and Cover, One Nickel Plated Brass Key	Per Dozen, $
" 1005 × 2	Same as No. 1005, with Two Keys to each Lock	"
" 1033	2½ in. Japanned, Brass Bushing, Reversible Key for Double Chamber or Double Bit Flat Steel Key	"
" 1033 × 2	Same as No. 1033, with Two Keys to each Lock	"

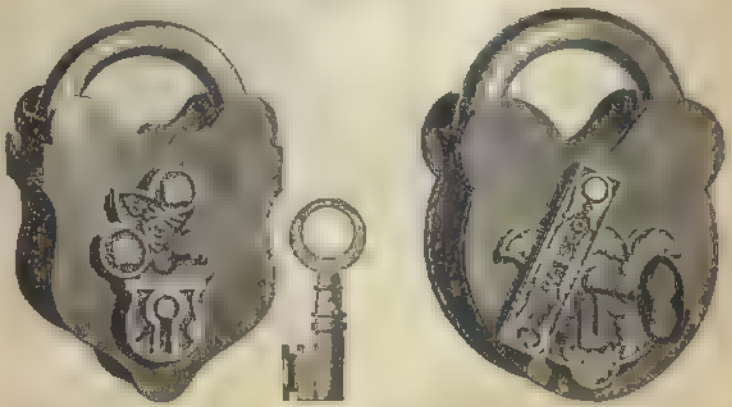
Half Dozen in a Box

Wrought Iron Padlocks.

No. 1054. —2½ in. Japanned Self Locking Spring Shackle, Brass Bushing Revolving Key Pin Double Lugs, One Steel Key, ... Per Dozen $

" 1054 × 2— Same as No. 1054 with Two Keys to each Lock . . . . "

HALF DOZEN OF A SIZE.



No. 1016. 2¾ in. Japanned Brass Bushing and Lugs, Secret Key Hole, One Key, . . Per Dozen $

" 1016 × 2 Same as No. 1016 with Two Keys . . . . "

" 1013 Japanned Brass Bushing and Lugs, One Key . . . . "

" 1013 × 2 Same as No. 1013 with Two Keys to each Lock . . . . "

HALF DOZEN OF A SIZE.

Wrought Iron Padlocks.

With Chain.

No.			Per Dozen
"	16	2½ in. Japanned, Brass Drop, with Chain, One Key	"
"	16×2	—Same as No. 16, with Two Keys to each Lock	"
"	17	—2½ in. Japanned Brass Bushed Iron with Chain, One Key	"
"	17×2	—Same as No. 17 with Two Keys to each Lock	"
"	1042×2	—2½ in. Japanned, Self Locking, Screw, Shackle, Brass Bushing and Drop with Chain, Two Keys	"

No. 1 Gross Dozen Nos. 1" and 1042 Half Dozen in a Box.

Wrought Iron Padlocks.

With Chain.

No. 1032 2½ in. Japanned, Brass Bushing and Drop, Revolving Key Pin with Chain. One Flat Steel Key, ... Per Dozen $

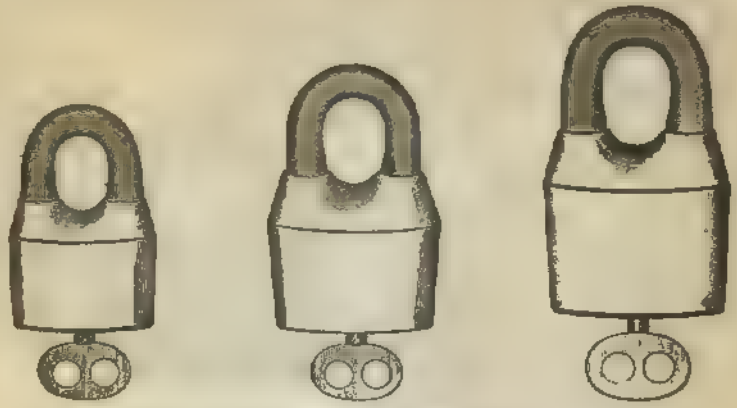
" 1032×3—Same as No. 1032, with Two Keys to each Lock, ... "

" 1014 —3½ in. Japanned, Self Locking, Spring Shackle, Brass Bushed [illegible] Rivets, with Chain. One Key, ... "

" 1014×2—Same as No. 1014, with Two Keys to each Lock, ... "

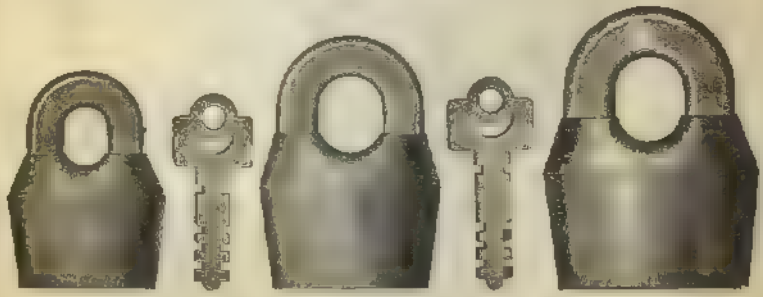
Half Dozen in a Box

Scandinavian Padlocks.



No. 110—Malleable Iron Secured Shackle, Painted Red, Two Malleable Iron Keys, Per Dozen, $
" 111 " " " " " " " " " "
" 112— " " " " " " " " " "

Half Dozen in a Box.

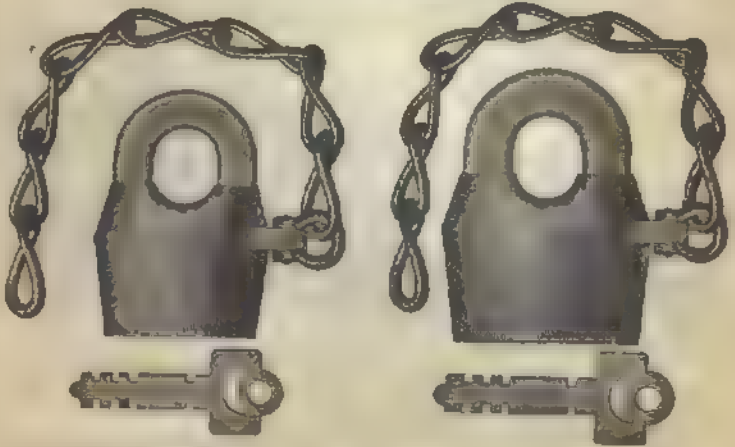


No. 2010 Japanned, Malleable Iron Secured Shackle, Wrought Iron Tumblers, Two Flat Steel Keys, Per Dozen, $
" 2011 Japanned, Malleable Iron Secured Shackle, Wrought Iron Tumblers, Two Flat Steel Keys, "
" 2012 Japanned, Malleable Iron Secured Shackle, Wrought Iron Tumblers, Two Flat Steel Keys, "

Half Dozen in a Box.

Scandinavian Padlocks.

With Chain.



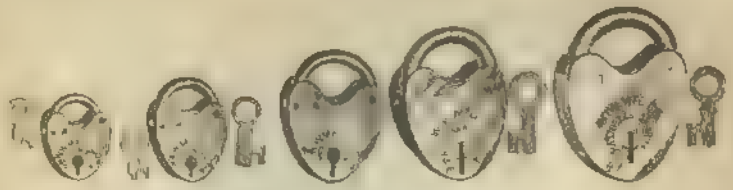
No. 2050 Japanned, Malleable Iron Secured Shackle, Wrought Iron Tumblers, Two Flat Steel Keys ... Per Dozen, $

" 2051 Japanned, Malleable Iron Secured Shackle, Wrought Iron Tumblers, Two Flat Steel Keys ... "

" 2052 Japanned, Malleable Iron Secured Shackle, Wrought Iron Tumblers, Two Flat Steel Keys. "

Half Dozen in a Box.

Brass Padlocks.



| No. | | |

Brass Padlocks.

No. 3—1½ in., Nickel Plated, Self-Locking
" 97—1¾ in., " " " Per Dozen $
These Locks act with a Spring, and are opened [illegible] a hole in the under rim, and prying

No. 60—1½ in., Brass, [illegible] Six Tumblers, Two Keys, Per Dozen $
" 75—2 " " " " " "
" 1000—1¾ " " " " " "
One Dozen in a Box.

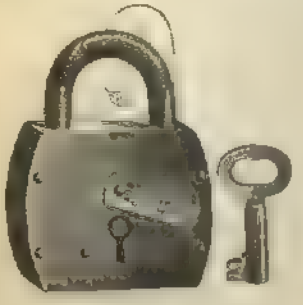
Bicycle or Baggage Locks.

No. 0103—1¼ in. Brass [illegible] Locks, Spring Shackle, Light Tumbler, [illegible] with [illegible] Two Keys.
" 0200—1¼ " Brass Self-[illegible] Spring Shackle, 24 in. Chain, One Key, Per Dozen $
No. 0103 Sold Dozen, No. 0200, One Dozen in a Box.

Genuine Bronze Padlocks.

No. 9999—Genuine Bronze, Secured Shackle, Four Tumblers, Two Flat Steel Keys, . . Per Dozen, $
" 9999B—Nickel Plated, " " " " " " " "
" 1580 —Genuine Bronze, " " Two Flat Steel Keys, . . . "

Half Dozen in a Box



No. 402 —1½ in., Wrought Steel, Self Locking, Spring Shackle, Two Keys, . . . Per Dozen $
" 402B—1½ in., " Brass, " " " " " "
" 216 —2½ in., Genuine Bronze, Self Locking, Spring Shackle, Four Tumblers, Two Flat Steel Keys, ... "

Half Dozen in a Box

Genuine Bronze Padlocks.

Cut of No. 8.

No. 8—Genuine Bronze Self-Locking, Spring Shackle, Two Flat Steel Keys, . . . Per Dozen $

Half Dozen in a Box

Morton Gummed Edge and attach to page 301

Genuine Bronze Padlocks.

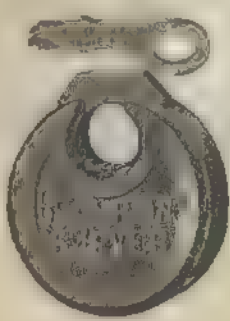
Horse Shoe.

Horse Hoof.

No. 610 —2½ in., Genuine Bronze Self-Locking Spring Shackle, Two Flat Steel Keys ... Per Dozen, $
" 620 —2½ in. Genuine Bronze Self-Locking Spring Shackle, Three Tumblers, Two Flat Steel Keys ... "

Half Size of Cut.

Oval Pattern.



No. 611 —2½ in. Genuine Bronze, Self-Locking, Six Tumblers, Two Flat Steel Keys ... Per Dozen, $
" 611A —2½ in. Genuine Bronze, Self-Locking, Six Tumblers, Two Flat Steel Keys, with Finished Flat Shackle ... "

Half Size of Cut.

Genuine Bronze Padlocks.

Yale.

Key for Nos. 813 and 823.

Key for Nos. 833 and 843.

Key for Nos. 853 and 863.

		Per Dozen, $
No. 813	Genuine Bronze Self-Locking Spring Shackle, Three Tumblers, Two Nickel Plated Flat Steel Keys	
" 823	Genuine Bronze Self-locking, Spring Shackle, Three Tumblers, Two Nickel Plated Flat Steel Keys	"
" 833	Genuine Bronze Self-locking Spring Shackle, Three Tumblers, Two Nickel Plated Flat Steel Keys	"
" 843	Genuine Bronze Self-locking, Spring Shackle, Four Tumblers, Two Nickel Plated Flat Steel Keys	"
" 853	Genuine Bronze, Self-Locking Spring Shackle, Four Tumblers, Two Nickel Plated Flat Steel Keys	"
863	Genuine Bronze, Self-locking Spring Shackle, Four Tumblers, Two Nickel Plated Flat Steel Keys	"

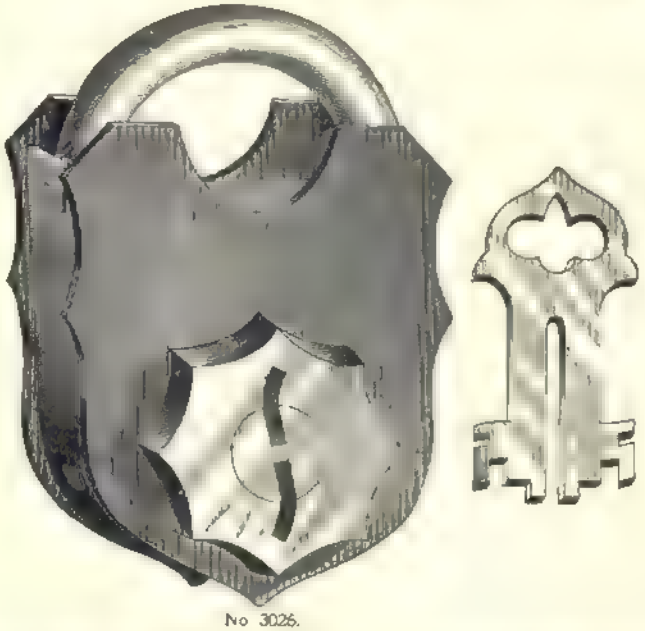
PACKED ONE IN A BOX.

WROUGHT STEEL PADLOCKS.

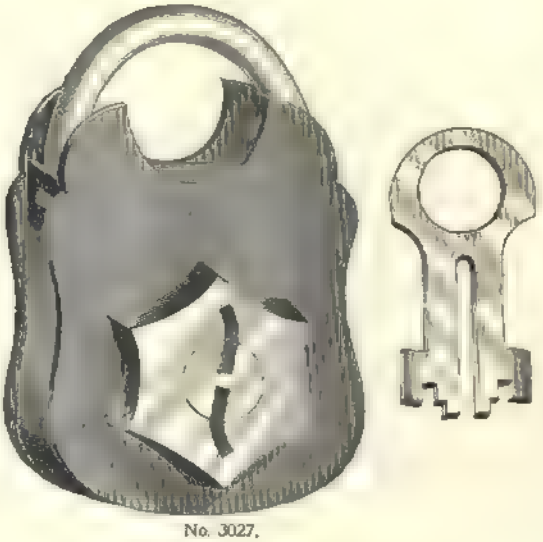
COMPARATIVE PRICE LIST.

WILCOX NO	PAGE IN CATALOGUE.	KEY PER DOZEN.	2 KEY PER DOZEN.	WIDTH INCHES.	RUSSELL & ERWIN MFG. CO.	NORWICH LOCK MFG. CO.	BRITTAN, GRAHAM & MATHES.	MALLORY WHEELER CO
0000	319	$ 1.95	$	2	5000	0000	00000	00000
000	319	2.70		2¼	2000	000	000	000
00	319	3.25	3 75	2¼	200	00	00	00
0	319	3 40		2¼	201	0	0	0
1	319	4.00	4.50	2⅛	202	1	1	1
2	319	4.40	5.00	2⅛	203	2	2	2
3	319	4.65		2⅛	204	3	3	3
4	319	5.20		2⅛	205	4	4	4
5	319		6.00	2⅛	206	5	5	5
7	319		10.00	2¾	208	7	7	7
13	320	19.25		2½	313			13
14	320	8.35		2⅛	314		14	14
17	320	8 25		2½	306		17	17
57	321	4.75		2½	214	26		1026
2300	321	5 80		2¼			2062	1062
2500	321		8.90	2½			2004	1004
2700	321		12.50	3				1066
2800	321	8 35		2½				
2900	322		8.70	2½	1206			
3001	322		6 75	2¼			2063	1063
3003	322		11 25	2¾				1076
3011	322	3 40	4 40	2	1001	400		1037
3012	322	7 00		2¼				
3013	323	3.75		2¼	220	40	2021	1021
3016	323		10 20	2½	1309		2032	1032
3017	323		7.70	2⅛	1219	411 425	2030	1030
3018	323		6 45	2¼	1236 1241 1222	423 405 431	2029	1029
3019	323	5 25		2½			2024	1024
3026	324		9 20	2½	1233	524 532	2033	1033
3027	324		7 95	2¼	1237	530 523	2043	1043
3029	324		16 50	2½			2014	1014
3030	324	5 00		2¼	1200		2000	1000
3036	325		5.75	2½	246	932	2048	1048
3064	325		8 10	2½	226			1025
3065	325		10 75	2½	326			1042
3066	325	8 75		2¼	1347	1430	2044	1044
3071	325		9.25	2⅛				1011

WROUGHT STEEL PADLOCKS.



No 3026.

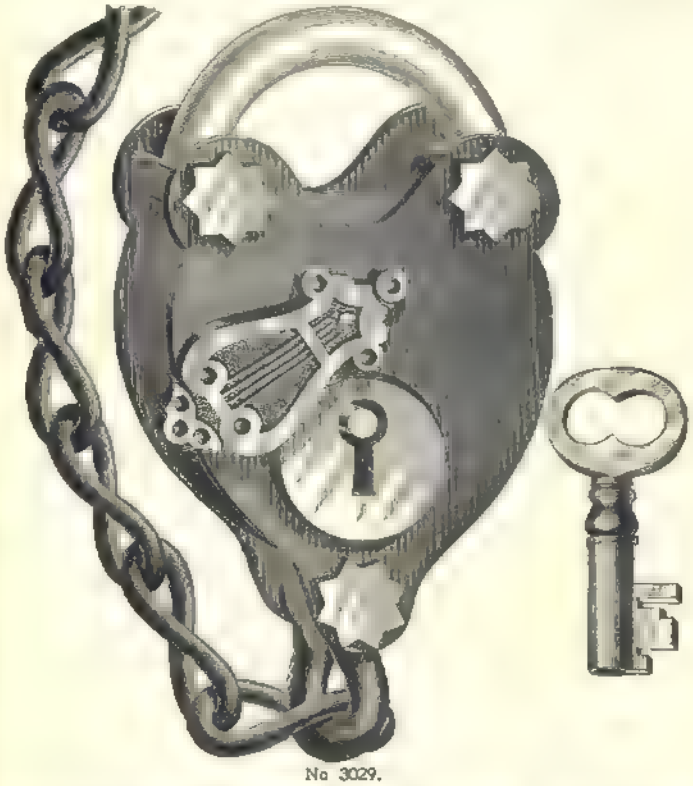


No. 3027.

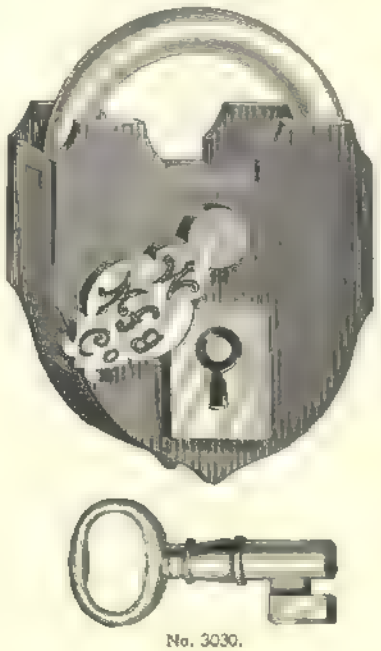
No. 3026–2½ in., japanned case, fancy brass bushed, double chamber, revolving key pin, 2 double bitted steel keys, 12 changes, - - - - - - - - - - - - - - per dozen $9.20

No. 3027 2¼ in., japanned case, fancy brass bushed, double chamber, revolving key pin, 2 double bitted steel keys, 12 changes, - - - - - - - - - - - - - - per dozen 7.95

HALF DOZEN IN A BOX.



No 3029.



No. 3030.

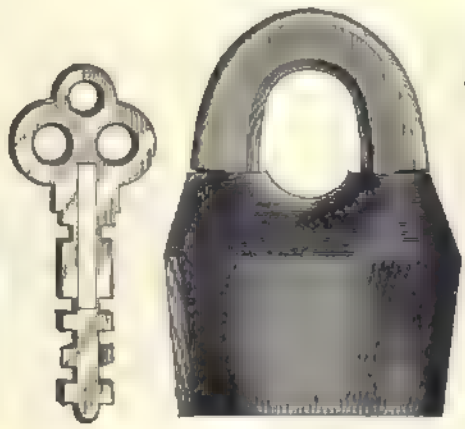
No. 3029 2½ in., japanned case, extra fine, fancy engraved drop, brass rivets, 2 tumblers, spring shackle, 3 bridge wards, 2 keys, 12 changes, with chain, - - - - - - - - - per dozen $16.50

No. 3030 2¼ in., japanned case, brass drop and bushing, brass side and wheel wards, assorted keys, per dozen, - 5.00

HALF DOZEN IN A BOX.

SCANDINAVIAN OR JAIL PADLOCKS.

No. 3050.



No. 3051.

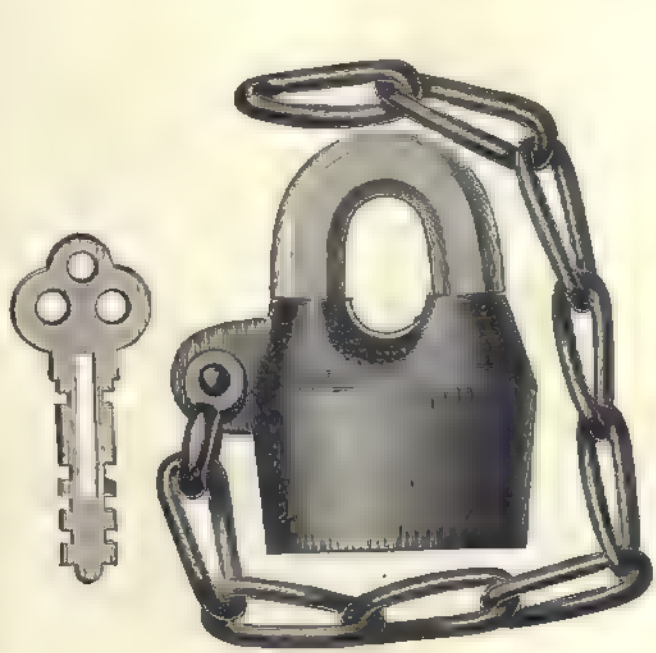
No. 3052.

No. 3050–Extra fine finish, black japanned, malleable hasp, secured, wrought iron tumblers, 2 nickel plated flat steel keys, 12 changes, - - - - - - - - - - - - per dozen $6.80

No. 3051–Extra fine finish, black japanned, malleable hasp, secured, wrought iron tumblers, 2 nickel plated flat steel keys, 12 changes, - - - - - - - - - - - - per dozen 7.40

No. 3052 Extra fine finish black japanned, malleable hasp, secured, wrought iron tumblers, 2 nickel plated flat steel keys, 12 changes, - - - - - - - - - - - - per dozen 8.80

HALF DOZEN IN A BOX.



No. 3053.

No. 3054.

No. 3053 Extra fine finish, black japanned, malleable hasp, secured, wrought iron tumblers, 2 nickel plated flat steel keys, all different with japanned iron chain, 12 changes, - - - - - - per dozen $ 9.60

No. 3054–Extra fine finish, black japanned, malleable hasp, secured, wrought iron tumblers, 2 nickel plated flat steel keys, all different, with japanned iron chain 12 changes, - - - - - per dozen 10.80

HALF DOZEN IN A BOX.

WROUGHT STEEL PADLOCKS.

No. 3001. No. 3011. No. 3012.

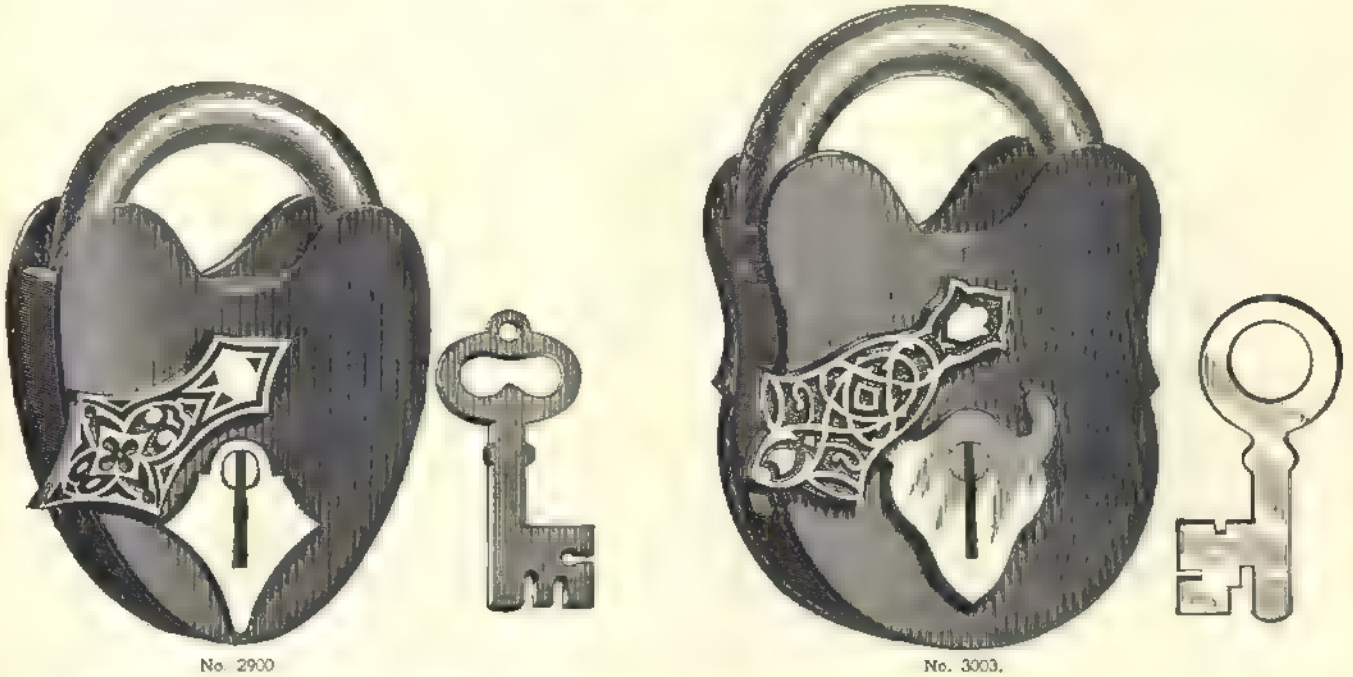
No. 3001–2¼ in., brass bushing, fancy engraved drop, patent rotating key hub and bridge ward, 2 solid cast steel keys, 6 kinds to dozen, - - - - - - - - - - - - per dozen $6 75

No. 3011–2 in., brass bushing, patent rotating key hub, stem winding, solid cast steel keys, " 3 40

No. 3011–Same as No. 3011, 2 keys to each lock, - - - - - - - - " 4.40

No. 3012–2¼ in., brass bushing, patent rotating key hub, self-locking spring shackle, solid steel key, double bit, 6 kinds to dozen, - - - - - - - - - - - - - per dozen 7 00

HALF DOZEN IN A BOX.



No. 2900 No. 3003.

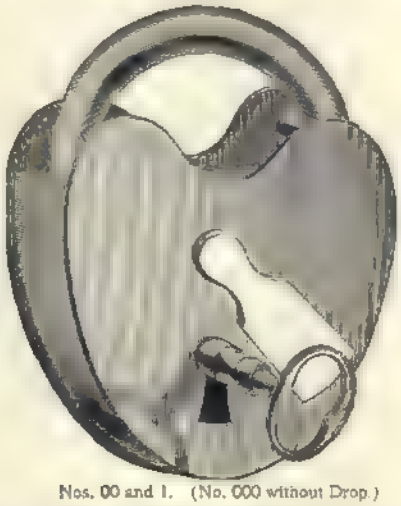
No. 2900–2½ in., brass bushing and fancy engraved drop, full brass wheels, patent rotating key hub, 2 solid cast steel keys, 8 kinds to dozen, - - - - - - - - - - - per dozen $8 70

No. 3003–2¾ in., brass bushed, fancy engraved drop, patent rotating key hub and bridge wards, 2 solid cast steel keys, assorted 12 kinds to dozen, - - - - - - - - - - - per dozen 11.25

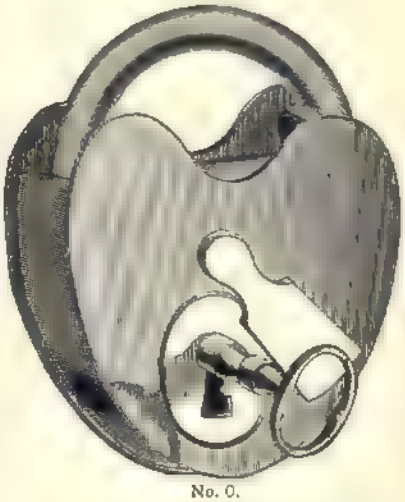
HALF DOZEN IN A BOX.

WROUGHT STEEL PADLOCKS.

No 0000.



Nos. 00 and 1. (No. 000 without Drop.)



No. 0.

No. 0000-2	in., japanned case, self-locking, spring shackle, assorted keys,	per dozen	$1.95
No. 000	2¼ in., japanned case, raised bushing, without drop,	"	2.70
No. 00	2¼ in., japanned case, with drop,	"	3.25
No. 00	2¼ in., japanned case, with drop, 2 keys to each lock,	"	3.75
No. 0	2¼ in., japanned case, raised bushing brass drop, 4 kinds to dozen,	"	3.40
No. 1	2½ in., japanned case, with drop,	"	4.00
No. 1	2½ in., japanned case, with drop, 2 keys to each lock,	"	4.50

HALF DOZEN IN A BOX.

No 2.

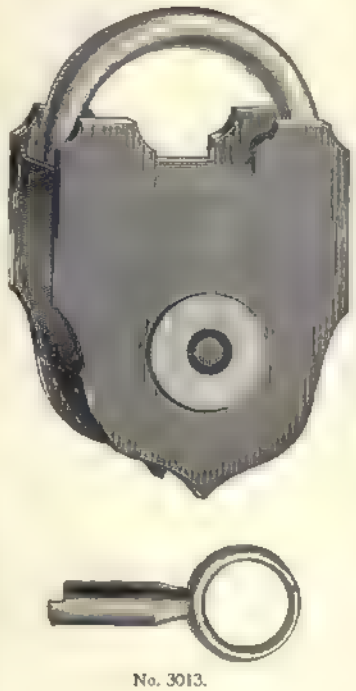
Nos. 3, 4 and 5

No. 7.

No. 2	2½ in., japanned case, brass drop and bushing, 4 kinds to dozen,	per dozen	$ 4 40
No. 2	2½ in., japanned case, brass drop and bushing, 4 kinds to dozen, 2 keys to each lock,	"	5 00
No. 3	2½ in., japanned case, brass drop and bushing, 4 kinds to dozen,	"	4.65
No. 4	2½ in., japanned case, brass drop and bushing, heavy, 6 kinds to dozen,	"	5.20
No. 5	2½ in., japanned case, brass drop and bushing, heavy, 2 wheels, side wards, 12 kinds to dozen, 2 keys to each lock,	per dozen	6.00
No. 7	2¾ in., japanned case, brass drop and bushing, heavy, 2 wheels, side and bridge wards, 12 kinds to dozen, 2 keys to each lock,	per dozen	10.00

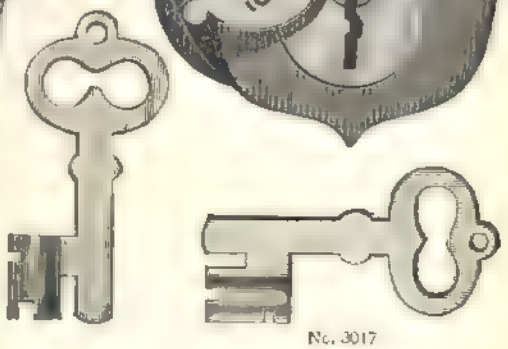
HALF DOZEN IN A BOX.

WROUGHT STEEL PADLOCKS.



No. 3013.

No. 3016.



No. 3017

No. 3013 2¼ in., japanned case, brass bushing, assorted cylindrical keys . . . . . per dozen $ 3.75
No. 3016–2½ in., japanned case, brass bushing, fancy engraved drop, patent rotating key hub, 2 flat steel keys to each lock, 12 changes, with chain, ... per dozen 10.20
No. 3017 2½ in., japanned case, brass drop and bushing, patent rotating key hub, solid steel keys, 12 changes, 2 keys to each lock, ... per dozen 7 70

HALF DOZEN IN A BOX.

No. 3018

No. 3019

No. 3018 2¼ in., japanned case, brass drop and bushing, patent rotating key hub, 2 solid cast steel keys, 6 kinds to dozen. . . . . per dozen $6 45
No. 3019 2½ in., japanned case, brass bushing, malleable iron key, thin bit, 12 changes, . . . " 5 25

HALF DOZEN IN A BOX.

EUREKA PADLOCKS.

No. 4016.

No. 4018.

No. 4020.

Self-Locking, Spring Shackle, Flat Steel Key.

No. 4016	1 in. polished brass, lacquered, 4 changes in a dozen,	per dozen	$2 80
No. 4018–1¼	in., polished brass, lacquered, 5 changes in a dozen,	"	3 00
No. 4020–1½	in., polished brass, lacquered, 6 changes in a dozen,	"	3.60

ONE DOZEN IN A BOX.

Nos. 4021½ and 4022½.

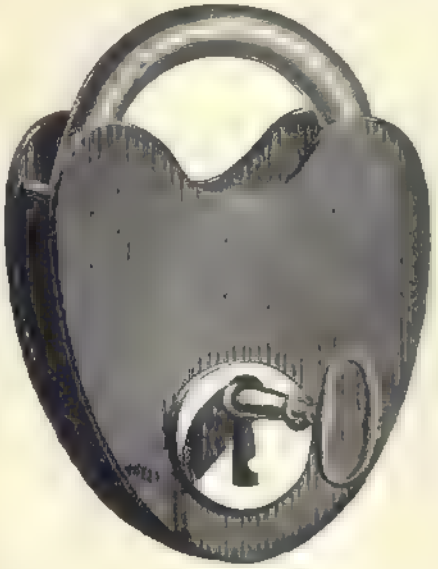
No. 4025.

Self-Locking, Spring Shackle, Flat Steel Key, Four Patent Wards.

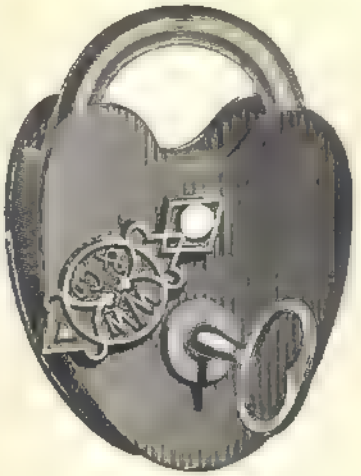
No. 4021 –1¾	in., japanned, iron case,	per dozen	$2.00
No. 4021½–1¾	in., japanned, iron case, all different,	"	2 40
No. 4022½ 1¾	in., polished brass, all different,	"	4.80
No. 4025 –2	in., japanned iron case, all different,	"	2.70

ONE DOZEN IN A BOX.

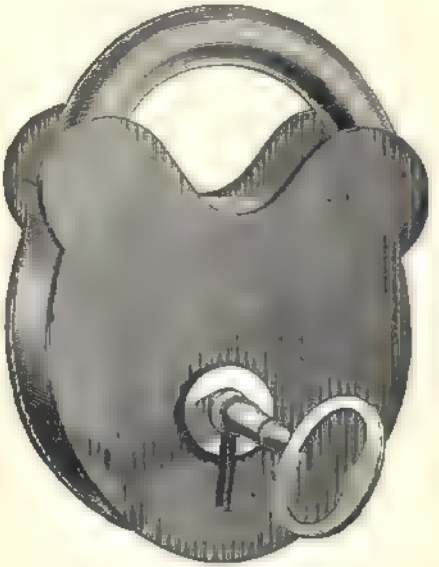
WROUGHT STEEL PADLOCKS.



No. 57.



No. 2300.



No. 2500.

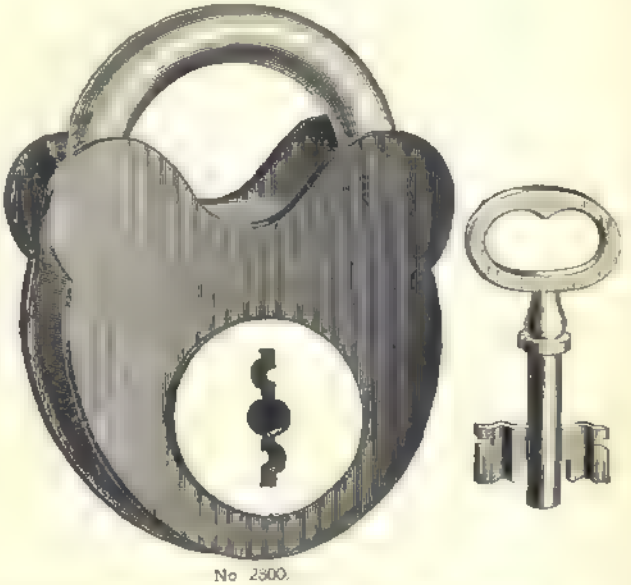
No. 57 2½ in., japanned case, brass bushing, heavy, 2 wheels and side wards, 8 kinds to dozen, per dozen $4 75

No. 2300–2¼ in., japanned case, brass bushing, fancy engraved drop, 4 solid wheels and patent bridge ward, 4 kinds to dozen, brass key, with patent cast steel bit, - - - - - - - per dozen 5 80

No. 2500–2½ in., japanned case, brass bushing, full brass wheels and bridge wards, 12 kinds to dozen, 2 brass keys, with patent cast steel bit, - - - - - - - - - - per dozen 8.90

HALF DOZEN IN A BOX.

No 2700.



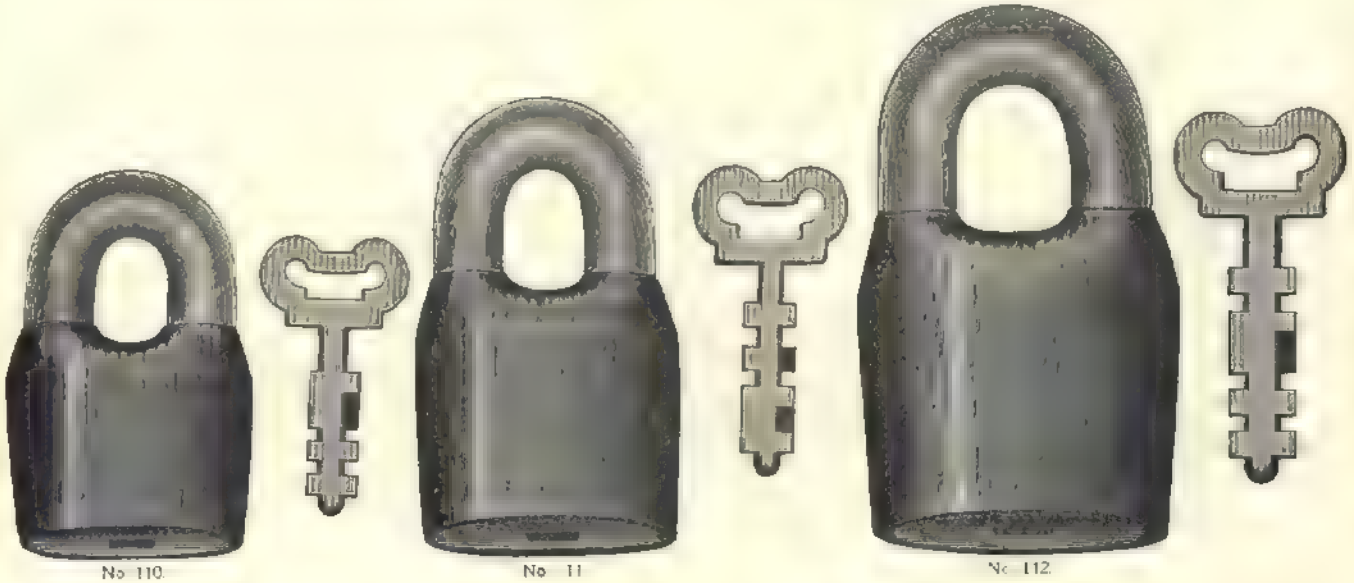
No 2800.

No. 2700 3 in., brass bushing and drop, full brass wheels and patent bridge wards, 12 kinds to dozen, brass key with patent cast steel bit, 2 keys to each lock, - - - - - - - - per dozen $12.50

No. 2800 2½ in., brass bushing, full brass wheels and patent bridge wards, double chamber, 6 kinds to dozen, brass key, with patent double cast steel bit, - - - - - - - - per dozen 8.35

HALF DOZEN IN A BOX.

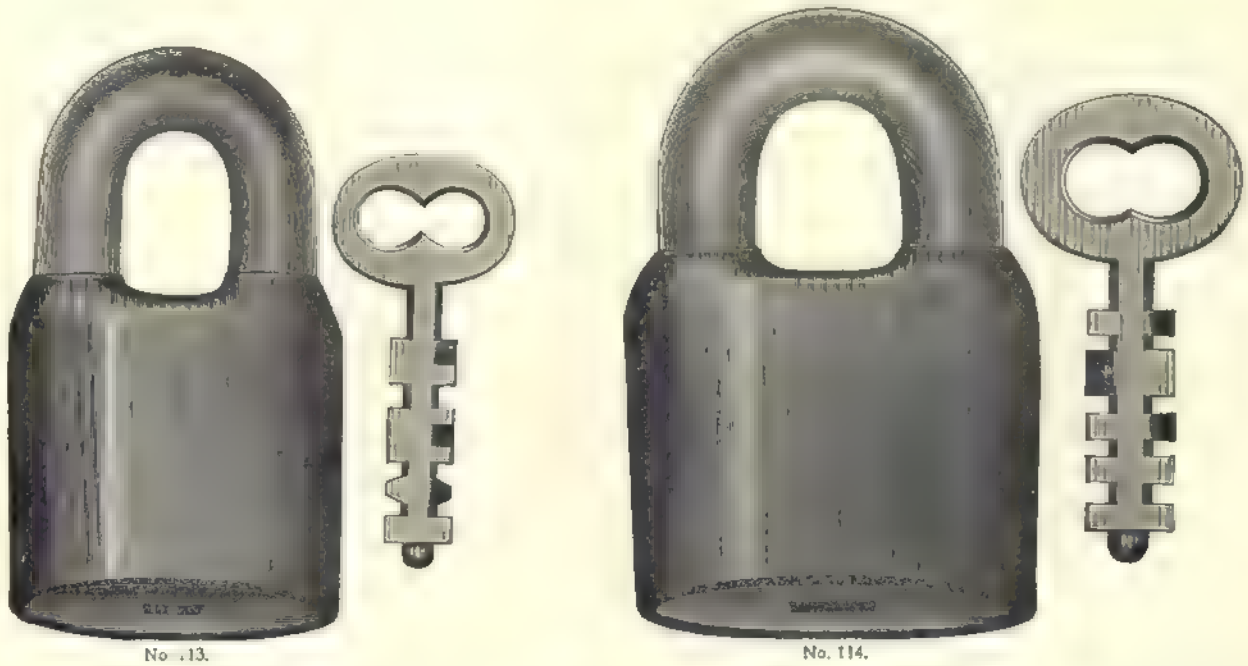
SCANDINAVIAN OR JAIL PADLOCKS.



No. 110. No. 111. No. 112.

No. 110 Red japanned, secured shackle, 6 malleable tumblers, 2 malleable keys, - - per dozen $2.00
No. 111 Red japanned, secured shackle, 6 malleable tumblers, 2 malleable keys, - - - " 2.40
No. 112 Red japanned, secured shackle 8 malleable tumblers, 2 malleable keys, - - - " 2 80

HALF DOZEN IN A BOX.



No. 113. No. 114.

No. 113-Red japanned, secured shackle, 6 malleable tumblers, 2 malleable keys, - per dozen $ 9.40
No. 114-Red japanned, secured shackle, 8 heavy malleable tumblers, 2 malleable keys, - " 14.40

HALF DOZEN IN A BOX.

PADLOCKS.

No. 1.

No. 2.

No. 3.

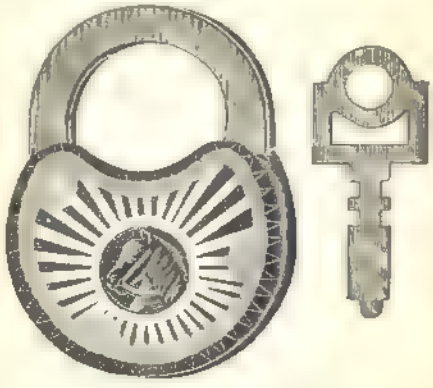
No. 4.

No. 1– 5/8 in., polished brass, - - - - - - - - - - - - per dozen $2 00
No. 2 - ¾ in., polished brass, - - - - - - - - - - - - " 2.20
No. 3–1 in., polished brass, fine tumbler, - - - - - - - - - - - - " 2 30
No. 4–1⅛ in., polished brass, fine tumbler, - - - - - - - - - - - - " 2.70

NOS. 1 AND 2, TWO DOZEN; NOS. 3 AND 4, ONE DOZEN IN A BOX

No. 210.

No. 1200.



No. 890.

No. 210–1⅛ in., brass, with brass drop, - - - - - - - per dozen $1.50
No. 1200 1½ in., brass, spring shackle, self-locking, 2 flat steel keys, - - - - - " 1 60
No. 890–1⅝ in., brass, spring shackle, self-locking, 2 flat steel keys, - - - - - " 2.50

NO. 210, THREE DOZEN BALANCE ONE DOZEN IN A BOX.

No. 855.

No. 865.

No. 870.

No. 855–2 in., ivory black steel case, self-locking, spring shackle, flat steel key. - per dozen $1.20
No. 865 1¾ in., ivory black steel case brass spring shackle, brass rivets and inside mechanism, revolving key hub, self-locking, nickel plated flat steel key, - - - - - - - - per dozen 1 70
No. 870–1¼ in., rustless steel case, brass spring shackle, self-locking, brass inside works, 2 flat steel keys, per dozen - 4.25

ONE DOZEN IN A BOX.

WROUGHT STEEL PADLOCKS.

No. 3036

No. 3064

No. 3071

No. 3036 2½ in., japanned case, brass drop 1 wheel ward, self-locking, 2 keys, - - per dozen $5.75

No. 3064–2½ in., japanned case, brass drop and bushing, side ward, flat spring shackle, 2 keys, 12 changes, - per dozen 8.10

No. 3071–2½ in., japanned case brass bushed, fancy engraved drop, 4 solid wheels, 2 brass keys with steel bit, 8 changes to dozen, - per dozen 9.25

HALF DOZEN IN A BOX.

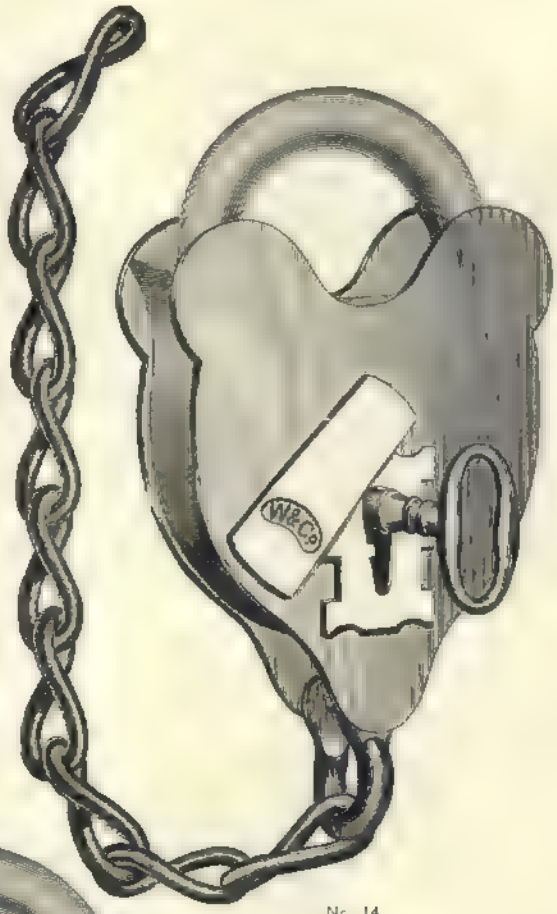
No. 3065.

No. 3066.

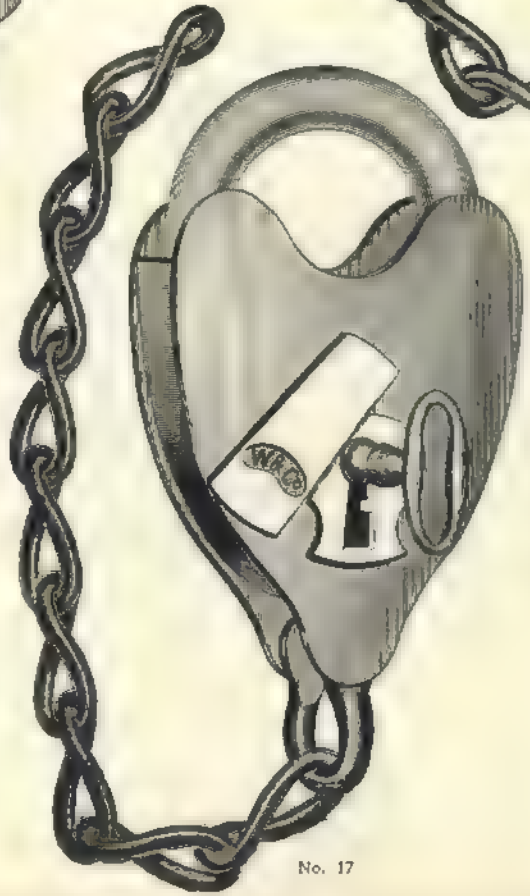
No. 3065-2½ in. japanned case, brass drop and bushing, side ward, flat spring shackle, with chain, 2 keys, 12 kinds to dozen, - - - - - - - - - - - - - - - - - - -

WROUGHT STEEL PADLOCKS.

No. 13.



No. 14.



No. 17

No. 13–2½ in., extra fine, 3 tumblers, self locking and spring drop, made double, and extra safe, with chain, 2 keys to each lock, - per doz. $19 25

HALF DOZEN IN A BOX

No. 14–2½ in, brass drop and bushing, spring shackle, with chain, 6 kinds to dozen, per doz. $8 35

No. 17–2½ in., brass drop and bushing, 2 wheels and side wards, with chain, 12 kinds, per doz. 8.25

HALF DOZEN IN A BOX

ROLLED GOLD VICTORIA CHAINS.

BRIGHT FINISH. PRICES EACH.

No. 792.
$3 00

No. 793.
$4 00

No. 794.
Blue Enamel Charm.
$3 50

No. 795.
$4 50

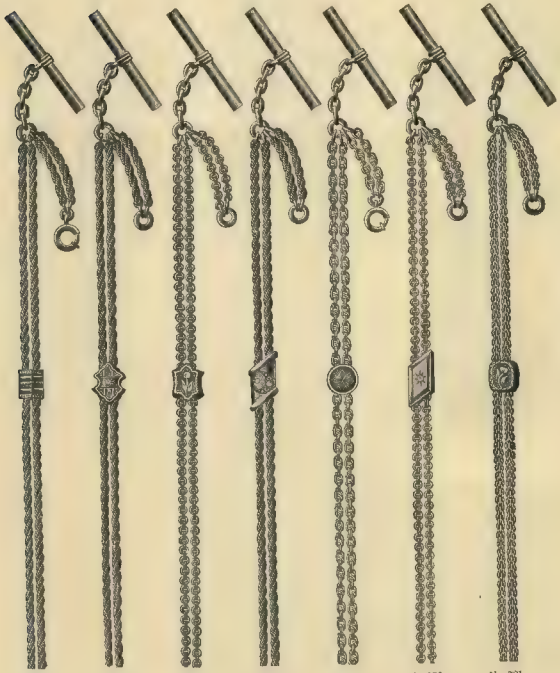
No. 796.
$4 75

No. 797.
$4 00

No. 798.
$4 50

LADIES' BEST QUALITY ROLLED GOLD TWO-STRAND VEST CHAINS.

ALL POLISHED. PRICES EACH.



No. 715. Blue Enameled Slide. $8 00

No. 716. Rose Diamond Setting. $8 00

No. 717. $5 50

No. 718 Rose Diamond and Ruby Settings. $8 00

No. 719. Enameled Slide. $8 00

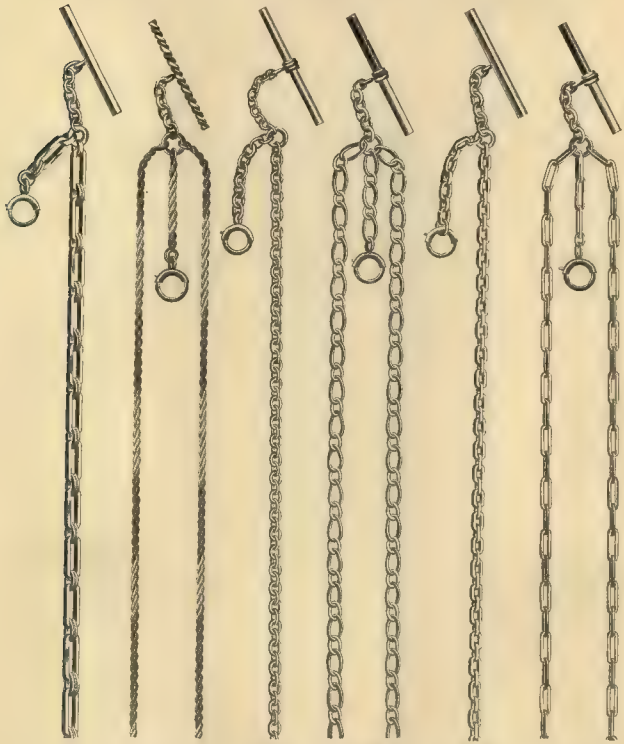
No. 720. Rose Diamond Setting. $6 00

No. 721 $5 50

SOLID GOLD DICKENS AND PONEY VEST CHAINS.

PONEY VESTS 10 INCHES LONG.

Are figured on the basis of average Weight. Any deviation in Weight charged according to value.



No. 760.
10 K., $16 00

No. 761.
14 K., Gold and Platinum, $24 00

No. 762
10 K., $16 00

No. 763
14 K., Gold and Platinum, $24 00

No. 764.
10 K., $16 00

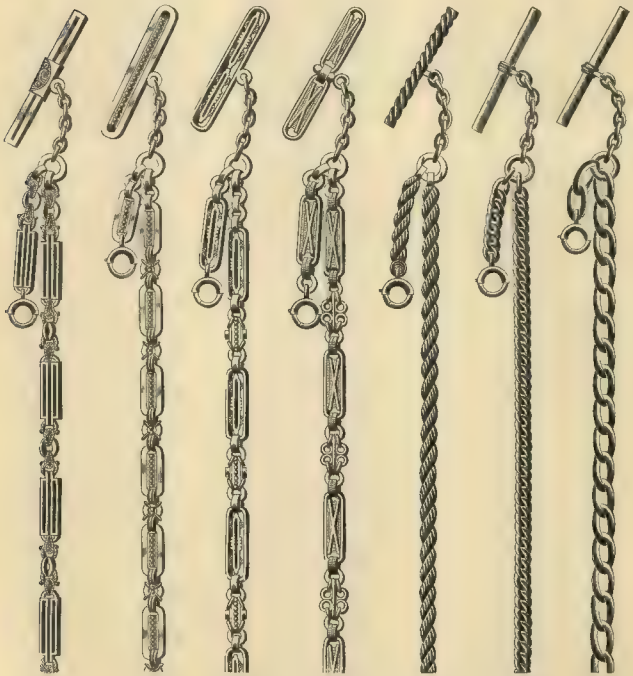
No. 765.
14 K., Gold and Platinum, $25 00

DICKENS CHAINS CAN BE FURNISHED IN ALL GOLD IF DESIRED.

GENTS' 10 AND 14 KARAT SOLID GOLD VEST CHAINS.

Are figured on the basis of average Weight. Any deviation in Weight charged according to value.

PRICES EACH.



No 725.
10 K., $34 00
14 K. 44 00

No 726.
10 K., $30 00
14 K., 37 00

No 727.
10 K., $31 00
14 K., 42 00

No 728.
10 K., $42 00
14 K., 62 00

No 729.
10 K. $30 00
14 K., 40 00

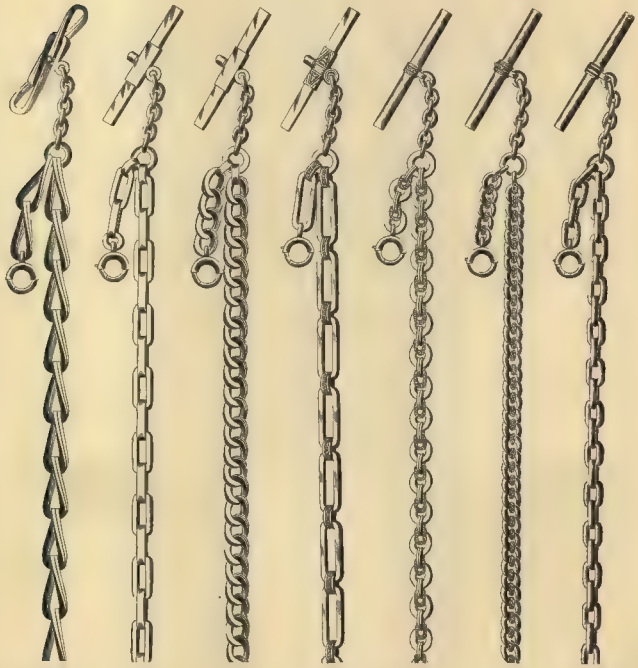
No 730.
10 K., $32 00
14 K., 40 00

No. 731.
10 K., $29 00
14 K., 38 00

GENTS' 10 AND 14 KARAT SOLID GOLD VEST CHAINS.

Are figured on the basis of average Weight. Any deviation in Weight charged according to value.

PRICES EACH.



No. 732.
10 K., $20 00
14 K., 26 00

No. 733.
10 K., $30 00
14 K., 42 00

No. 734.
10 K., $28 00
14 K., 38 00

No. 735.
10 K., $28 00
14 K., 35 00

No. 736.
10 K., $28 00
14 K., 38 00

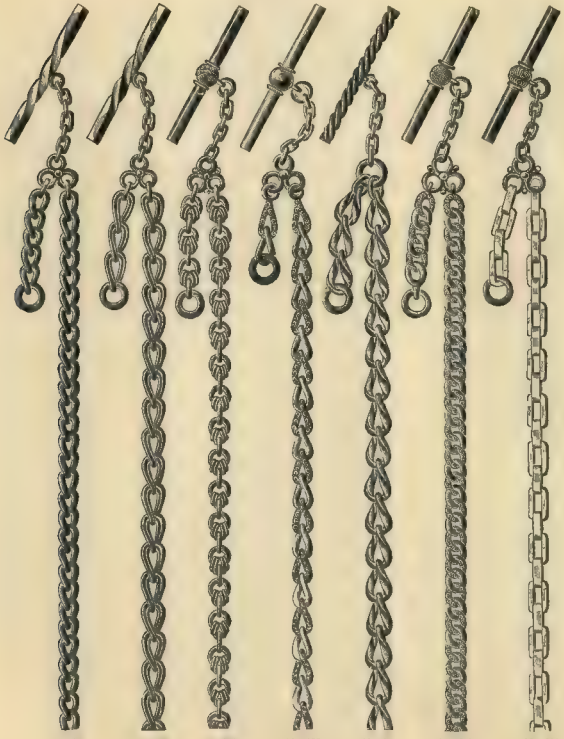
No. 737.
10 K., $28 00
14 K., 38 00

No. 738.
10 K., $26 00
14 K., 35 00

GENTS' 14 KARAT GOLD FILLED SEAMLESS VEST CHAINS.

Guaranteed for Twenty Years. All Polished.

PRICES EACH.



No. 680. $8 00

No. 681. $8 00

No. 682. $8 50

No. 683. $9 50

No. 684 $8 50

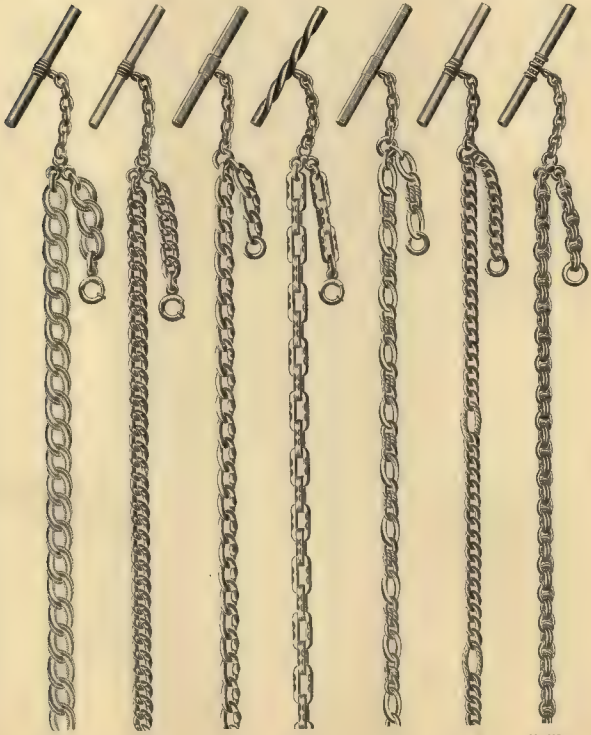
No. 685. $11 .

No. 686 $9 00

GENTS' FIRST QUALITY GOLD FILLED VEST CHAINS.

Guaranteed for Twenty Years. All Polished.

PRICES EACH.



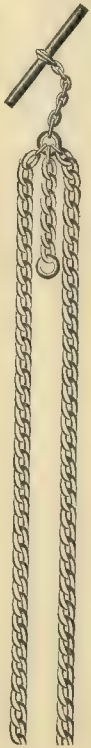
No. 769. $10 50 | No. 770. $8 00 | No. 771. $8 00 | No. 772 $9 00 | No. 773. $7 50 | No. 774. $5 00 | No. 775. $7 75

GENTS' ROLLED PLATE DICKENS CHAINS.

PRICES EACH.

No. 482.
Gold and Platina
$5 00

No. 483.
$4 00



No. 484.
$4 50

No. 485.
Gold and Platina.
$5 00

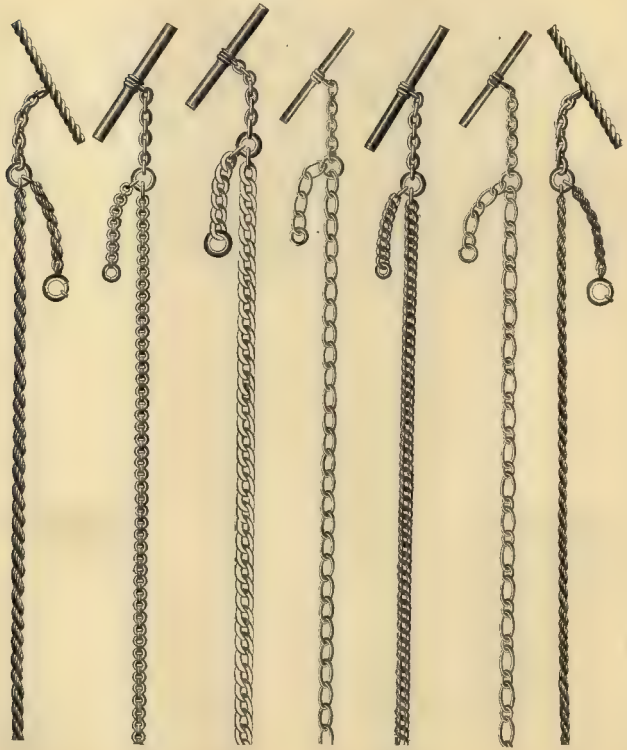
No. 486.
Gold and Platina.
$4 50

No. 487.
Gold and Platina.
$5 00

STERLING SILVER AND ROLLED GOLD PONEY VEST CHAINS.

Nos. 776, 777 and 779 Sterling Silver.

9½ INCHES LONG. PRICES EACH.



No. 776. $3 50

No. 539. $2 00

No. 543. $4 50

No. 777. $3 50

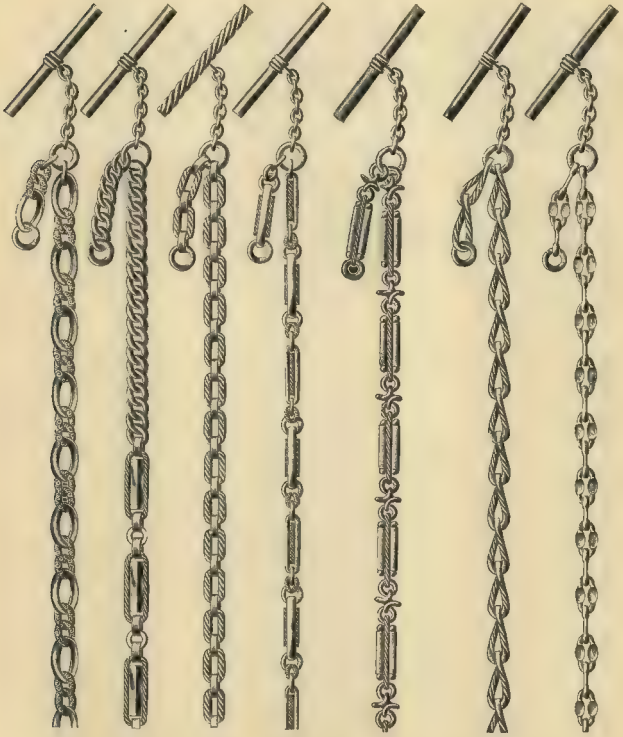
No. 778. $2 50

No. 779. $2 75

No. 780. $3 00

GENTS' FIRST QUALITY ROLLED GOLD VEST CHAINS.

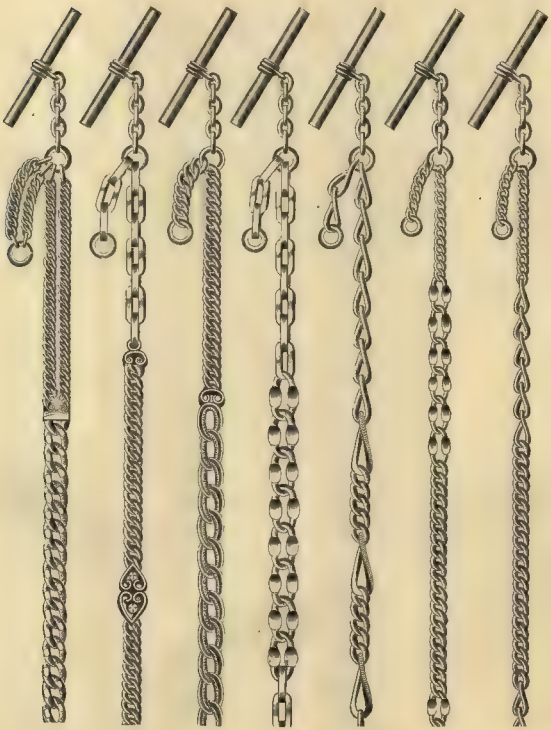
ALL POLISHED. PRICES EACH.



No. 502. $6 00 | No. 503. $5 00 | No. 504. $5 00 | No. 505. $6 50 | No. 506. $6 00 | No. 507. $5 00 | No. 508. $3 50

GENTS' ROLLED PLATE VEST CHAINS.

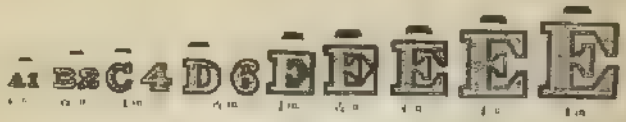
POLISHED. PRICES EACH.

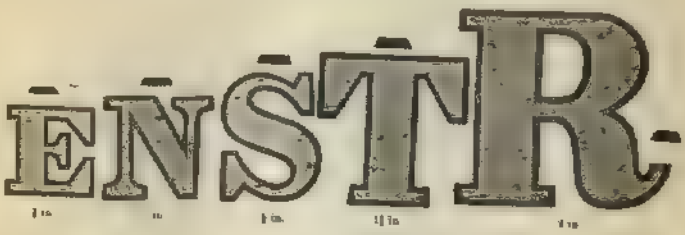


No. 509. $5 00 | No. 510. $4 50 | No. 511. $4 00 | No. 512. $3 00 | No. 513. $2 00 | No. 514. $2 00 | No. 515 $2 00

Pattern Letters and Figures.

Roman Style





Roman Style

Inches. Each 1 ⅞ ¾ ⅝ ½ ⅜ ⅝ ⅜ ¼ ⅛ 1" 1¼ 1½ 2

Flat Face Gothic— Thin

Sharp Face Gothic.

Flat Face Gothic Thin | Inches Each 1 ⅞ ¾ ⅝ ½ ⅜ ¼ ⅛

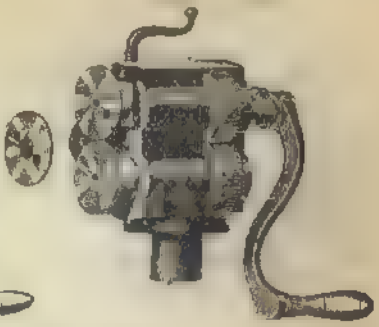
Sharp Face Gothic. | Inches. Each 1 ⅞ ¾ ⅝ ½ ⅜ ¼ ⅛

Tinners' Machines.

Stow's Encased.

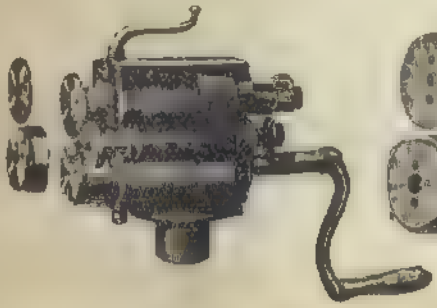
Small Burring

Large Burring

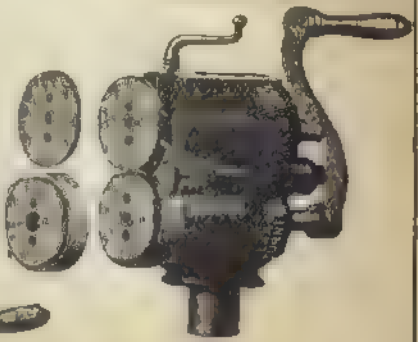


No. 61 Encased Small Burring Machine with ... Bed ... Each
" 61 " " with ... Bed
" 62 " Large " with ... Bed
" 62 " " with Floor

Small Turning



Large Turning

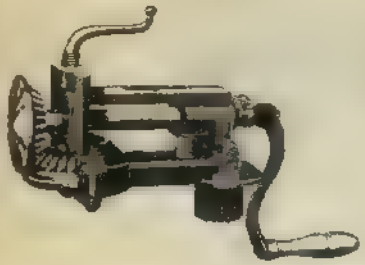


No. 63 Encased Small Turning Machine with Bed, Adjustable and Loose Face with Standard Each
" 63 " " with ... Bed
" 64 " Large " with ... Bed
" 64 " " without ... Bed

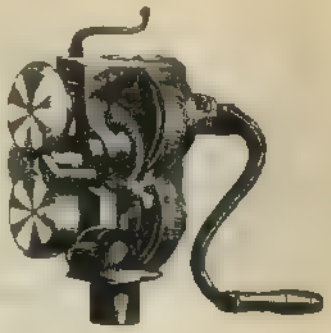
Tinners' Machines.

Stow's Enclosed

Setting Down



Wiring



No. 85. Enclosed Setting Down Machine with Standard
" 85. " " " without "
" 86 " " " with "
" 86. " " " without "

Enclosed Wiring Machine with Standard

Machine Standards

Stow's Improved

Stow's Improved

Stow's Improved Machine Standard

Stow's Improved Standards for Enclosed and Open Wiring Machines

Enclosed

Tinners' Machines.

Interchangeable Parts belonging to [illegible] Knead W ring Machines

A Plate
B Cap
C—Upper Roller
D—Lower Roller
H Clasp Nut
V—Rocking Box

Journal Boxes

I	Front Upper Box for Upper Roller	each 6
J	[illegible] Lower Box for Upper Roller	
K	[illegible] Back Top Boxes for Lower Roller	"
L	[illegible] and Back Lower Boxes for Lower Rollers	
M	[illegible]	
N	[illegible] Gauge	
O	[illegible] Gauge Nut	"
P	—Forming Gauge, for Wiring Machine,	
Q	—Forming Gauge Roller for Wiring Machine	
R	—Forming Gauge Worm Gear for Wiring Machine	"
S	Forming Gauge Nut, for Wiring Machine	"
T	[illegible] Screw	"
U	Worm Gear Screw Holder	"

Screws

No. 1	Crank Screw	Each 6
" 2	Cap Screws	"
" 3	[illegible] Box Screw	"
" 4	Worm Gear Screw Handle Bolt	"
" 5	Clasp Nut Screw	"
	Spring	"
	Extra Pares for Turning and Burring Machines	"
	Lower Rollers for Burring Machines	"

The corresponding parts of other Machines in the set bear the same letters or figures as far down as the letter O, also Rocking Box V. Those bearing the letters from P to U inclusive are found only in the Wiring Machine

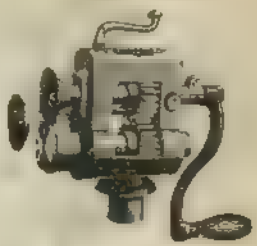
The above prices apply to parts of all Licensed Machines.

Tinners' Machines.

Stow's Columbian

Small Burring

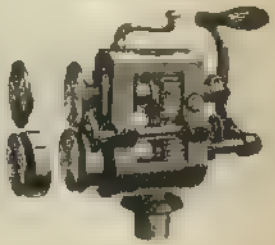
Large Burring



No. 71 Columbian Small Burring Machine with Plain Upper Face with Standard ... Back ...
" 72 " " " " without " " "
" 73 " Large " " " with " " "
" 74 " " " " without " " "

Small Turning

Large Turning



No. 75 ... Small Turning ... with Plain Upper and Lower Face with Standard ...
" 73 ... " " " without " ...
" 74— Large " " with " ...
" 76 ... " " " without " ...

The Columbian Machines are of an elevated arrangement and are so constructed that the Burring or Turning Rollers can be changed without any other machine for sharpening the work. They have a solid Frame are strong and durable
The Standards used are the improved Illustrated on Page 700.

Tinners' Machines.

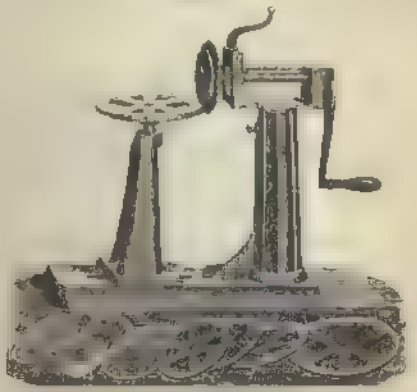
Stowe's Celebrated

Setting Down

Wiring

No. 75.—Columbian Setting Down Machines [illegible] Each $
" 75. [illegible]
" 75. Wiring Machine with Stationary
" 75. [illegible] without "

Hulbert's Double Seaming

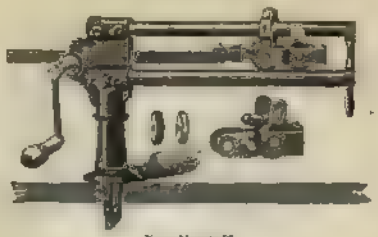


No. 171. [illegible] Seaming Machines, with Deflector and 14 Discs, Each $
" 171. [illegible] without Deflector with 4 Discs, "

[illegible] is adapted to all kinds of Flaring and Straight Work, Coffee and Tea Pots, Ovaland Round Boilers, [illegible] Turtle to Lamp after it is soldered. Unequaled for strength and durability in the market.

Tinners' Machines.

Grannis' Patent Grooving.



No. 151—20 in. Grannis' Patent Grooving Machines with Stand. . . Each £
" 152—30 in. " " " " " . . . "

The above illustration represents Grannis' Grooving Machine with Kennedy's Patent Automatic or Flattening System. The Groover as made regularly for the trade is not put together in this manner. This cover is so constructed that the operator can observe the work during the whole process of grooving. The seams can be fastened on either side of the machine, and can be grooved on both edges at the two inches diameter. Four rolls accompany each machine for grooving three different widths of seams.

Kennedy's Patent Grooving Attachment for Forming Rolls for Flattening Seams . . Each £

This attachment enables the Tinner to groove and flatten the seam at one operation, doing both in the same time in which the mere grooving is done in the ordinary manner by the machine, leaving the seam afterwards with a raised. The grooving roll is provided with a flattening attachment, so that the flattening roll follows the grooving roll in the place of the ordinary grooving roll. The grooving roll having passed along the seam, and grooved it, the flattening roll follows and flattens it, when the end of the groover is reached the grooving roll rises upon the cam and comes back to its place ready, when the carriage is drawn back over the grooving bar.

A Full Set of Stow's Columbian Machines is made up as follows

Stow's Adjustable Bar Folder No. 268, 20 inches, ... Each £
Grannis' Patent Grooving Machine, No. 151, 20 inches, with Standard, ... "
Stow's Columbian Burring Machine, with Standard, ... "
Stow's Columbian Setting Down Machine, with Standard, ... "
Stow's Columbian Large Turning Machine, with Standard, ... "
Stow's Columbian Small Turning Machine, with Standard, ... "
Stow's Columbian Large Burring Machine, with Standard, ... "
Stow's Columbian Small Burring Machine, with Standard, ... "

Full Set of Columbian Machines, with Standards, ... £
Full Set of Columbian Machines, with Standards, without Folder and Groover . . . "

Tinners' Machines.

Stow's Patent Grooving

No. 1 to 17.

No. 141—9 in. Stow's Patent Grooving Machines with Rotary Stand for Heavy Work ... Each £
" **142**—17 in. " " " " " ... "

Beading Machines

Patent.

Nos. 1 to 53.

Stow's Patent

Nos. 54 to 158.

No. 161—13 in. Patent Beading Machines with 3 Pair Rollers and Rotary Stand Size of Beads 1 to 6 G. ... in Triple ... in Single ... 20/ £
" **162**—10 in. Patent Beading Machines with 3 Pair Rollers and Rotary Stand Size of Beads 1 to ... in Triple ... Single ...
" **163**—7½ in. Patent Beading Machines with 3 Pair Rollers and Rotary Stand Size of Beads 1 to 20 G. ... in Triple ... in Single ...
" **164**—6 in. Stow's Patent Beading Machines with 3 Pair Rollers and Rotary Stand Size of Beads ... G. ... in Triple ... in Single ... Per Pair ... in Single ...
" **165**—4 in. Stow's Patent Beading Machines for Fine Work with 3 Pair Rollers and Rotary Stand Size of Beads ... to Astra ... in Triple ... Per Pair ... in Single ...

Tinners' Machines.

Adjustable Tin Folding Machines.

Stow's Patent.

No. 252 and 254

No. 252 [illegible] Tinners' Folding Machine with iron Locks, [illegible] ... Each [illegible]
" 254 [illegible] " " " " " [illegible]
" 255 [illegible] " " " " " [illegible]

No. [illegible] is made by the same as No. 252. It has, however, an improved device for moving and setting the Gauge. By the [illegible] of the Gauge is almost instantaneous, and a Set Screw in front and at the back [illegible] the Gauge readily and correctly in place.

Sheet Iron Folders.

Wood Bottom

No. 241

Iron Bottom

No. 242

No. 241 —30 in. Wood Bottom Sheet Iron Folders [illegible] Each [illegible]
" 242 30 in. Iron " " " " [illegible]

Wright's Patent.

No. 231

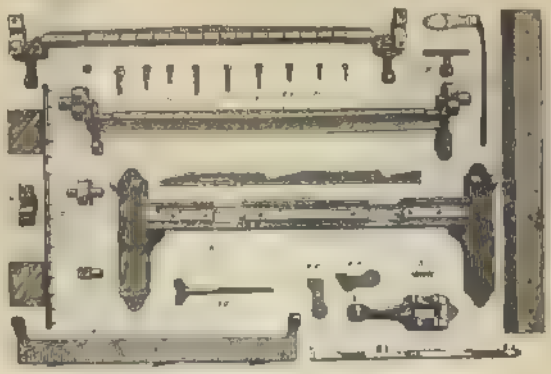
Stow's Improved

No. 230

No. 231 30 in. Wright's Patent Sheet Iron Folders. [illegible] Each [illegible]
" 230 —30 in. Stow's Improved " " " [illegible]

Tinners' Machines

Interchangeable Parts Belonging to Screw's Adjustable Tin Folders



For No. 252 Folder

AA	Frame	HH	Shoe
BB	Jaw	JJ	Pressure Roller
CC	Bar	KK	Stop
DD	Wing for Bar	LL	Clamp
EE	Blade	MM	Set Screw for Set Screw No. 20
FF	Wedge	OO	Spring for Gauge Screw
GG	Gauge	PP	Screw
HH	Guide	QQ	Cap

Screws

No. 20	Wedge Screw	No. 27	Handle and Gauge Set Screw
" 21	Stop Screw,	" 28	Wing Screw
" 22	Cap Screw	" 29	Wedge Screw,
" 23	Shoe Set Screw,	" 30	Wrench
" 24	Blade Screw,	" 31	Gauge Screw,
" 25	Frame Screw,	" 32	Gauge Springs

For No. 254 Folder

AA	Frame	DD	Wing for Bar
BB	Jaw	EE	Blade,
CC	Bar	GG	Gauge,

Other Parts same as No. 252 Folder

Tinners' Machines.

Stove Pipe Crimpers and Beaders

No. 1

Patent Stay down with Crimping Blade

No. 107 Stove Pipe Crimpers and Beaders, Complete with Standard, Each $

This machine is used to facilitate the making and putting together of metal pipe. Both diameters of crimps and beads on the edges of stove pipe, to produce pipe so that the lengths will go together easily. It is also provided with beading rolls which bead the edge of the same time it is forming. Machine is substantially and well made, it has cut gearing and steel rolls. When Crimping only is desired a stationary device is used in place of the C. Rolls.

Gutter Beaders.

Iron Bottom.

No. 1 and 2

Stow's Patent.

No. 3 and 4

No. 111	Iron Bottom, with Cast Steel Rolls, 20 in. long,		Diameter	Each, $
" 112—	" " "		"	
" 120—	Stow's Patent, "		"	
" 121—	" " "		"	

When ordering please state the Diameter Rod wanted.

Gutter Beader Rods.

No. 13 and 72

Pipe Formers.

No. 36 and 37

No. 131	Cast Steel Gutter Beader Rods, 20 in. Long,	⅜ to ⅝ in.	Diameter
" 132—	" " " " "	⅝ to ¾ in.	"
" 361	Stow's Pipe Formers, 2	Rolls, 20 in. long	
" 362	" " " 1½	" "	"
" 371	" " " 1¾	" "	"
" 372	" " " 2	" "	"

Tinners' Machines

Squaring Shears, Stow's Pattern.

Nos. 427 to 430

No. 430 Stow's Pattern, with Frame for Top 30 in. long
" 429 " " " " " 25 in. "
" 430... " " " " " Sheet Iron 30 in. "

Each $

Combined Bench and Slitting Shears.

No. 437

The above Cut shows some of the Shapes which can be cut with this Shear from the centre of the sheet. Plate Metal

No. 437 Combined Bench and Slitting Shears, Screw 3 to 7 Weight 60 lbs. each $

Tinners' Machines.

Waugh's Patent Bevel Square and Circular Shears

No. 441 Waugh's Patent Bevel Square and Circular Shears with Square Attachment, Cuts [illegible] Inches

" 442 Waugh's Patent Bevel Square and Circular Shears with Square Attachment, Cuts [illegible] Circles

This Shear will cut any square or bevel under twenty inches, and can be changed instantly from square to bevel. The Cutters are all bevel and reach to the [illegible] and are kept sharp by the [illegible]. Price, Nos. 441 and 442, each [illegible]

Newton's Patent Circular Shears

No. 430—Newton's Patent Circular Shears, with Two Patterns of Cutters, 3 and 5 inch Diam. Each [illegible]

This Shear will Cut Circles from 3 to 14 in. Diameter from Tin

Tinners' Tools.

Stakes

Needle Case.

No. 80

Candle Mould

No. 83

No. 80 Needle Case Stakes, Wrought Iron, Steel Face, Flat End [illegible] Round End [illegible] Each 6
" **83**—Candle Mould " " " " " Small End 1⅝ in. Large End 3½ in., "

Blow Horn.

No. 85

Conductor

No. 84

No. 85—Blowhorn Stakes, Wrought Iron, Steel Face, Large End 2 in., Small End 1¾ in., Each, 6
" **84**—Conductor " " " " " Each End 4 in. "

Beakhorn.

No. 181.

Double Seaming

No. 91

No. 181 Beakhorn Stakes, Wrought Iron, Steel Face, Flat End 3 in. Mouth [illegible] End 6 [illegible] Each 4
" **191** Double Seaming Stakes, Wrought Iron, Steel Face, Large End 6 in. Small End 4½ in. "

Tinners' Tools.

Stakes

Round Head.

No 85 [illegible] Stakes, Cast Iron Polished [illegible]
" 86 Solid Stakes, Wrought [illegible]

Square

Creasing and Greasing.

Creasing with Horn

No. 87 Common Creasing Stakes, Wrought Iron [illegible] Length 14½ in.,
" 88 Creasing Stakes with Horn " " " " Flat End 6½ in., Round End 9½ in.

Hatchet

Double Seaming with Four Heads.

Nos.	91	92	93	94	95	96
Length of [illegible]						
Each						

Mandrel

Hollow Mandrel

No 209 [illegible] Stakes, Cast Iron Polished Face, Length from Long to the Standard. Each
" 210—Hollow Mandrel Stakes Cast Iron Polished Face, Entire Length 3 ft. 6 in.

Tinners' Tools.

Bench Plates.

Nos. 101 and 102.

No. 103

No. 101—Bench Plates, Cast Iron Polished, Size 5 × 37 in., ... Each, $
" **102**— " " " " " 8 × 30 in., ... "
" **103**—Improved Bench Plates, Polished Surface, Size 7 × 9 in., ... "

No. 103 Improved Bench Plate is so made that it can be readily inserted in any bench of the ordinary thickness and revolves so that different tools may be used in the same position.

Wood Roofing Folders.

Nos. 212 and 322

Roofing Double Seamers

No. 45

No. 212—Ornamental Wood Roofing Folders, 20 in., ... Each, $
" **312**— " " " " 30 in., ... "
" **312**—Improved " " " " 20 in., with Gauges . . . . . "
" **322**— " " " " 30 in., " " . . . . . "
" **45**—Common Roofing Double Seamers ½ × ⅝, ⅝ × 1, 1 × 1½, 1½ × 1½ in., ... Per Set of 2 Pairs

Roofing Double Seamers.

Burritt's Patent, for Standing Lock

No. 40

No. 40—Burritt's Double Seamers for Tin Roofing, in Sets of Two Pairs, One Common Gauge adapted to 1 × 1½ in. Tongs, and One Wide Gauge adapted to 1½ × 1½ in. Tongs . . . . . Per Set, $

Tinners' Tools.

Gutter Tongs.

No. 25.

Common Roofing Tongs

No. 35

No. 25—Gutter Tongs. Per Pair 1
" **35**—Common Roofing Tongs. Steel, 4, 2, 1, 1½, 1¾ in. Per Set of 3 Pair

Reuse's Patent Roofing Tongs

No. 30

No. 30 Reuse's Patent Roofing Tongs with Adjustable and Reversible Flange

These Tongs will turn a seam from ¼ to 10 in. by simply adjusting the Thumb Screw and sliding the Gauge to the desired height. They are adapted for Edging and Beading all kinds of ordinary sheet metal. They are simple in construction, strong, light and durable. Can be used on both edges.

Riveting Hammers.

Setting Hammers

No.	Cast Steel, Full Polished	Face	Eye	Weight	No.	
" 2	"				2	
" 3	"				3	
" 4	"			4½ oz.	4	
" 5	"			6 oz.	5	

Tinners' Tools.

Scratch Awls.

No. 11 – Tinners' Cast Steel Scratch Awls, ... Per Dozen, 1

Rivet Sets and Hooters.

Extra Cast Steel, Japanned, Half Polished

Nos.	00	0	1	2	3	4	5	6	7	8
Each,	1									

Hand Groovers.

Extra Cast Steel, Japanned, Half Polished

Nos.	00	0	1	2	3	4	5	6	7	8
Each,	1									

Hollow Punches.

Cast Steel.

Inches.	⅛	⅜	½	⅝	¾	1	1¼	1½	1¾	2	2¼	2½	2¾	3
Each,	1													

Tinners' Tools.

Hand Shears or Snips.

Nos.	6½	7	8	9	10
Cut. Inches.	4½	4	3½	3	2½
Each,	$2 50	$2 50	$2 00	$1 50	$1 00

Circular Hand Shears.

Nos.	18	19
Cut. Inches,	¾	⅝
Each,	1	

Double Cutting Shears

Berridge's Patent.

No. 21 Small for Tin, Each, $2 25
" **22** Medium " Tin and Iron, 3 00

These Shears are designed especially for cutting any kind of metal cylinders. The method of cutting avoids any kind of waste and leaves the edges and corners perfectly smooth. The jaws are made with a notch in each one, which, when set together, forms a hole in the metal at the point desired to begin the cutting. They are also used for cutting off sections of pails, cans etc., and for cutting round or square work, and are indispensable in general repairing.

Bench Shears

Nos.	00	0	1	2
Cut. Inches	7	6½	6	5½
Each,	$			

Nos.	3	4	5	6
Cut. Inches.	4½	4	3½	3
Each.				

Shear Holders

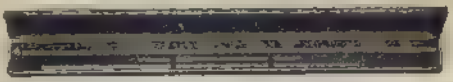
No. 105— Stow's Improved Shear Holders, with Clamp, Each,

The uses of this Holder are almost endless. The Stand, Clamp and Wrench are always at a bed and the tinner can use it anywhere on a bench or any part of his shop, and it will hold the jaws at any angle desired and most firmly

Tinners' Tools.

Magic Pattern Rules

Magic Rule No. 4, Inch, Complete in Hinged Aluminum Case — Each $



The Magic Pattern Rule is a practical, every day tool, intended to take the place of many complicated and laborious methods now in use for developing the sheet metal patterns of many of our every day articles of commerce, and is destined to become a household word among the skilled artisan and the apprentice.

It is easily understood and operated. It will develop any and all patterns for conical and cylindrical work. It will give patterns for any two individual different pieces of elbows on any angle.

This appliance is almost automatic in its action, as it saves all the time and labor of drawing patterns by the old geometrical method of parallel lines.

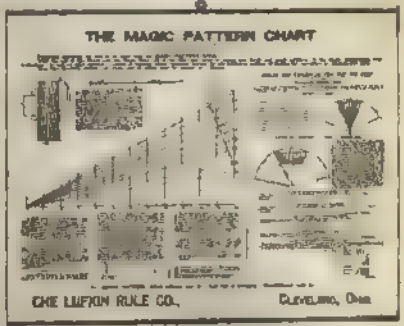
The pattern is obtained by marking along the curve of the steel ribbon. The proper curvature is obtained in less than one minutes time, where it takes from 30 to 60 minutes by the old method.

The Magic Pattern Chart is one sheet, with each Magic Rule as it appears. This Chart was carefully drawn and engraved by a practical man in connection with the Magic Rule, and is a valuable shop guide. Its principle use is in developing pattern cutting, but it contains many practical rules for the planning of shop problems.

The magic rule is now made with a straight edge, fitted to the center, which adds to its practicability.

The Magic Rule is made of steel, finely polished and nickel plated.

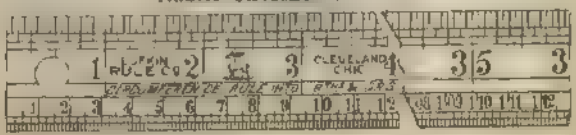
Each rule is supplied with the necessary gauges for large elbows and small elbows, and the Magic Elbow Chart.



Reduced Facsimile of Magic Pattern Chart

Full Sheet Chart is 28X18 inches. Mounted on Linen.

Tinners' Circumference Rules

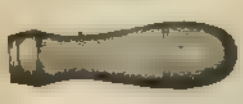


No. 95—Tinners' Steel Circumference Rules 36 in. — Each $

Tinners' Tools.

Soldering Copper Handles.

Common. Fire Proof.



No. 230

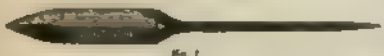
No. 250

No. 230—Common Soldering Copper Handles, ... Per Dozen 5
" 250 - Fire Proof " " " " "

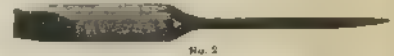
No. 230, One Dozen in a Box

Soldering Coppers.

Pointed Flat.



No. 1



No. 2

No. 1 Soldering Coppers, Pointed for Common Use, Weight Per Pair 1 lb., 2 lb., 3, 4, 5, 6, 7 8, 10 lbs. Per Pound, 6
" 2— " Flat Point for Bottoms, etc., " " 4 5 lbs.

Square. Soldering Sets.

No. 3

No. 12

No. 3—Soldering Coppers, Square Point, for Roofing, with Wood Handle and Flange, Weight Per Pair 10, 12 lbs., ... Per Pound 8
" 12—Soldering Sets, in Wood Boxes, ... Per Dozen.

Soldering Furnaces or Fire Pots.

Buttles'. Dangler's. Wellington's.

No. 2

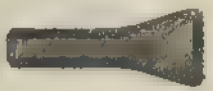
No. 1

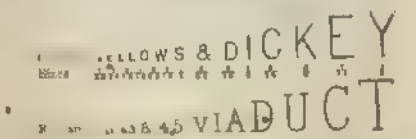
No. 150

No. 2—Buttles' Improved Charcoal Tinners' Soldering Furnaces, ... Each 8
" 111 Dangler's Improved Tinners and Plumbers Soldering Furnaces, ... " 6
" 150 Wellington's " " " " " " " "
Extra Grates to Buttles's Soldering Furnaces, ... Per Dozen

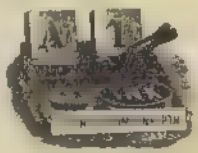
Steel Letters and Figures

Steel Name Stamps





Brass Stencil Letters and Figures.



Combination Sets

Springbrooke Two Blade Pocket Knives.

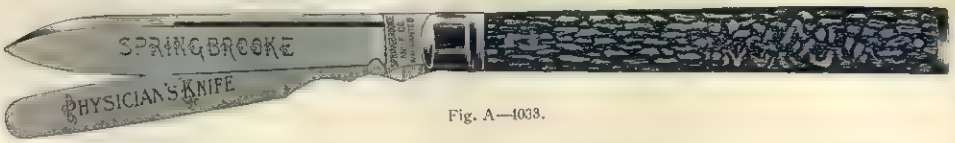


Fig. A—4033.

No. **444.** 4 Inch, One Spear and One Spatula Blade, Brass Lined, German Silver Bolster and Cap, Horn Handle, Crocus Polished ..... Per dozen, **$14 00**

No. **448.** 4 Inch, One Spear and One Spatula Blade, Brass Lined, German Silver Bolster and Cap, Stag Handle Crocus Polished ..... Per dozen, **14 00**

No. **449.** 4 Inch, One Spear and One Spatula Blade, Brass Lined, German Silver Bolster and Cap, Pearl Handle, Crocus Polished ..... Per dozen, **21 00**

No. **484.** 4 Inch, One Spear and One Small Blade, Brass Lined, German Silver Bolster and Cap, Horn Handle, Crocus Polished ..... Per dozen, **10 00**

No. **488.** 4 Inch, One Spear and One Small Blade, Brass Lined, German Silver Bolster and Cap, Stag Handles, Crocus Polished ..... Per dozen, **10 00**

No. **489.** 4 Inch, One Spear and One Small Blade, Brass Lined, German Silver Bolster and Cap, Pearl Handles, Crocus Polished ..... Per dozen, **18 00**

Fig A-4034.

No. **460.** 3¼ Inch, Two Blade, Easy Opener, Brass Lined, German Silver Bolster and Shield, Ebony Handle, Crocus Polished, Spear ..... Per dozen, **$7 50**

No. **461.** 3¼ Inch, Two Blade, Easy Opener, Brass Lined, German Silver Bolster and Shield, Coco Handle, Crocus Polished, Spear ..... Per dozen, **7 50**

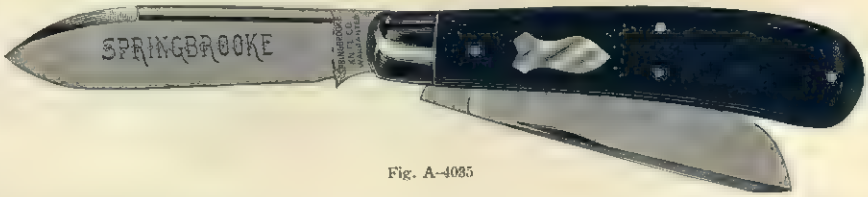


Fig. A-4035

No. **471.** 3½ Inch, One Spear and One Speying Blade, Brass Lined, German Silver Bolster and Shield, Coco Handle, Crocus Polished..... Per dozen, **$7 50**

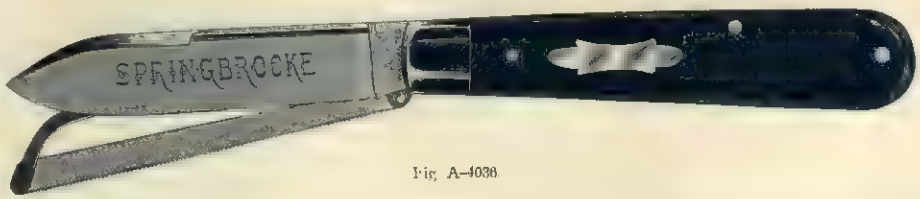


Fig. A-4036.

No. **490.** 3¼ Inch, One Spear and One Saw Blade, Brass Lined, German Silver Bolster and Shield, Ebony Handle, Crocus Polished ..... Per dozen, **$10 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Springbrooke Two Blade Pen Knives.

Fig. A–4037.

		Per doz.
No. **2004.**	3¼ Inch, Two Blade, German Silver Lined, German Silver Tips and Shield, Horn Handle, Crocus Polished, Spear,	**$10 00**
No. **2006.**	3¼ Inch, Two Blade, German Silver Lined, Ger. Silver Tips and Shield, Ivory Handle, Crocus Polished, Spear,	**11 00**
No. **2008.**	3¼ Inch, Two Blade, German Silver Lined, Ger. Silver Tips and Shield, Stag Handle, Crocus Polished, Spear,	**10 00**
No. **2009.**	3¼ Inch, Two Blade, German Silver Lined, Ger. Silver Tips and Shield, Pearl Handle, Crocus Polished, Spear,	**18 00**

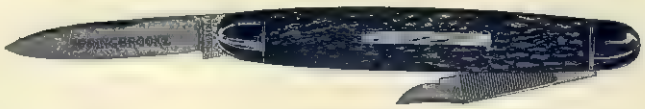


Fig. A–4038.

		Per doz.
No. **2014.**	3 Inch, Two Blade, Brass Lined, Ger. Silver Bolster, Cap and Shield, Horn Handle, Crocus Polished, Spear,	**$ 8 00**
No. **2016.**	3 Inch, Two Blade, Brass Lined, Ger. Silver Bolster, Cap and Shield, Ivory Handle, Crocus Polished, Spear,	**9 00**
No. **2018.**	3 Inch, Two Blade Brass Lined, Ger. Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear . .	**8 00**
No. **2019.**	3 Inch, Two Blade Brass Lined, Ger. Silver Bolster, Cap and Shield, Pearl Handle, Crocus Polished, Spear	**12 00**

Fig. A–4039.

		Per doz.
No. **2024.**	3½ Inch, Two Blade, Brass Lined, Ger. Silver Bolster, Cap and Shield, Horn Handle, Crocus Polished, Spear .	**$8 00**
No **2026.**	3½ Inch, Two Blade, Brass Lined, Ger Silver Bolster, Cap and Shield, Ivory Handle, Crocus Polished, Spear .	**9 00**
No **2028**	3½ Inch, Two Blade, Brass Lined, Ger. Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear .	**8 00**

Fig. A–4040.

		Per doz.
No. **2034.**	3¼ Inch, Two Blade, Brass Lined, Horn Handle, Crocus Polished, Spear	**$8 00**
No. **2036.**	3¼ Inch, Two Blade, Brass Lined, Ivory Handle, Crocus Polished, Spear	**9 00**
No. **2038.**	3¼ Inch, Two Blade, Brass Lined, Stag Handle, Crocus Polished, Spear	**8 00**

Fig. A–4041.

		Per doz.
No. **2044.**	3 Inch, Two Blade, Brass Lined, Horn Handle, Crocus Polished, Spear	**$7 00**
No. **2046.**	3 Inch, Two Blade, Brass Lined, Ivory Handle, Crocus Polished, Spear	**8 00**
No. **2048.**	3 Inch, Two Blade, Brass Lined, Stag Handle, Crocus Polished, Spear	**7 00**

Full size cuts. Half dozen in a box.

Springbrooke Two Blade Pen Knives.

Fig A–4042.

No. **2059.** 3 Inch, Two Blades, German Silver Lined, Bolster and Cap, Pearl Handle, Crocus Polished, Sheep Foot . . . . . Per dozen, **$15 00**

Fig. A–4043.

No **2069** 2⅞ Inch, Two Blades, Brass Lined, German Silver Tips and Shield, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$15 00**

Fig. A–4044.

No. **2079.** 2¾ Inch, Two Blades, German Silver Lined, Bolster and Cap, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$14 00**

Fig. A–4045.

No. **2089.** 2¾ Inch, Two Blades, German Silver Lined, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$14 00**

Fig. A–4046.

No. **2097.** 2¾ Inch, Two Blades, German Silver Lined, Bolster and Cap, Shell Handle, Crocus Polished, Spear . . . . . Per dozen, **$10 00**

No **2099.** 2¾ Inch, Two Blades, German Silver Lined, Bolster and Cap, Pearl Handle, Crocus Polished, Spear " **10 00**

Full size cuts. Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Springbrooke Two Blade Pen Knives.

Fig. A–4047.

No. 2112. 3 Inch, Two Blade, German Silver Lined, Fancy Grain Celluloid Handle, Crocus Polished, Spear . . . . . Per doz. $14 00

Fig. A–4048.

No. 2118. 3 Inch, Two Blade, German Silver Lined German Silver Tips and Shield, Stag Handle, Crocus Polished, Spear, Per doz. $14 00

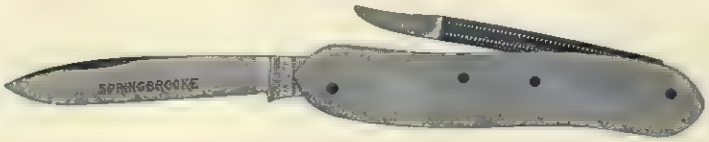


Fig. A–4049.

No. 2119. 3 Inch, Two Blade, German Silver Lined, Pearl Handle, Crocus Polished, Spear . . . . . Per doz $20 00

Fig. A–4050.

No. 2124. 3¼ Inch, Two Blade, Lock Back, Brass Lined, German Silver, Bolster, Cap and Shield, Horn Handle, Crocus Polished, Clip . . . . . Per doz $18 00

No. 2128. 3¼ Inch, Two Blade, Lock Back, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Clip 18 00

Full size cuts. Half dozen in a box.

Springbrooke Two Blade Pen Knives.

Fig. A–4051.

No. **2149.** 2¼ Inch, Two Blades, German Silver Lined and Fancy Aluminum Bolster and Cap, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$10 00**

Fig. A–4052.

No. **2139** 3 Inch, Two Blades, German Silver Lined and Fancy Aluminum Bolster and Cap, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$15 00**

Springbrooke Three Blade Pen Knives.

Fig. A–4053.

No. **3009.** 2⅝ Inch, Three Blades, German Silver Lined, Pearl Handle, Crocus Polished, Spear . . . . Per dozen, **$15 00**

Fig. A–4054.

No. **3017.** 3 Inch, Three Blades, German Silver Lined, Bolster and Cap, Shell Handle, Crocus Polished, Sheep Foot . . . . . Per dozen, **$18 00**

No. **3019.** 3 Inch, Three Blades, German Silver Lined, Bolster and Cap, Pearl Handle, Crocus Polished, Sheep Foot . . . . . " **18 00**

Full size cuts. Half dozen in a box.

LUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Springbrooke Three Blade Pen Knives.

Fig. A–4055.

No. **3027** 2¼ Inch, Three Blade, German Silver, Milled Lining, Shell Handle, Crocus Polish, Spear . . . . . Per dozen, **$16 50**
No. **3028.** 2¼ Inch, Three Blade, German Silver, Milled Lining, Stag Handle, Crocus Polish, Spear . . . . " **15 00**
No. **3029** 2¼ Inch, Three Blade, German Silver, Milled Lining Pearl Handle, Crocus Polish, Spear . . . . " **16 50**
No. **3037.** 2¼ Inch, Three Blade, German Silver, Milled Lining, Shell Handle, Crocus Polish, Spear . . . . " **18 00**
No. **3038.** 2¼ Inch, Three Blade, German Silver, Milled Lining, Stag Handle, Crocus Polish, Spear . . . . . " **16 50**
No. **3039.** 2¼ Inch, Three Blade, German Silver, Milled Lining, Pearl Handle, Crocus Polish, Spear . . . . " **18 00**

Fig. A–4056.

No. **3047.** 2¼ Inch, Three Blade, German Silver, Milled Lining, Shell Handle, Crocus Polished, Spear . . Per dozen, **$16 50**
No. **3049.** 2¼ Inch, Three Blade, German Silver, Milled Lining, Pearl Handle, Crocus Polished, Spear . . . " **16 50**

Fig. A–4057.

No. **3058** 3 Inch, Three Blade, German Silver Lined, Tips and Shield, Stag Handle, Crocus Polished, Spear, Per dozen, **$16 50**
No. **3059** 3 Inch, Three Blade, German Silver Lined, Tips and Shield, Pearl Handle, Crocus Polished, Spear, " **20 00**

Fig. A–4058.

No. **3068.** 3¼ Inch, Three Blade, German Silver Lined, Tips and Shield, Stag Handle, Crocus Polished, Spear, per dozen, **$18 00**
No. **3069** 3¼ Inch, Three Blade, German Silver Lined, Tips and Shield, Pearl Handle, Crocus Polished, Spear, " **21 00**

Fig. A–4059

No **3077.** 3 Inch, Three Blade, German Silver Milled Lining, Shell Handle, Crocus Polished, Spear . . . . . Per dozen, **$20 00**
No **3079.** 3 Inch, Three Blade, German Silver Milled Lining, Pearl Handle, Crocus Polished, Spear . . . . " **20 00**

Full size cuts Half dozen in a box.

Springbrooke Three Blade Pen Knives.

Fig. A–4060

		Per doz.
No. **3087.**	3¼ Inch, Three Blade, German Silver Milled Lining, Shell Handle, Crocus Polished, Spear	**$21 00**
No. **3089.**	3¼ Inch, Three Blade, German Silver Milled Lining, Pearl handle, Crocus Polished, Spear	**21 00**

Fig. A–4061.

		Per doz.
No. **3097.**	2⅝ Inch, Three Blade, German Silver Milled Lining, Shell Handle, Crocus Polished, Spear	**$20 00**
No. **3099.**	2⅝ Inch, Three Blade, German Silver Milled Lining, Pearl Handle, Crocus Polished, Spear	**20 00**

Fig. A–4062.

		Per doz.
No. **3107.**	2⅝ Inch, Three Blade, German Silver Lining, Shell Handle, Crocus Polished, Spear	**$15 00**
No. **3109.**	2⅝ Inch, Three Blade, German Silver Lining, Pearl Handle, Crocus Polished, Spear	**15 00**

Fig. A–4063

		Per doz.
No. **3116**	3⅜ Inch, Three Blade, Brass Lined, German Silver Bolster and Shield, Ivory Handle, Crocus Polished, Spear,	**$17 00**
No **3117.**	3⅜ Inch, Three Blade, Brass Lined, German Silver Bolster and Shield, Shell Handle, Crocus Polished, Spear,	**20 00**
No. **3119.**	3⅜ Inch, Three Blade, Brass Lined, German Silver Bolster and Shield, Pearl Handle, Crocus Polished, Spear,	**20 00**

Fig. A–4064.

		Per doz.
No **3126.**	3¼ Inch, Three Blade, Brass Lined, German Silver Bolster and Shield, Ivory Handle, Crocus Polished, Spear,	**$16 50**
No. **3127.**	3¼ Inch, Three Blade, Brass Lined, German Silver Bolster and Shield, Shell Handle, Crocus Polished, Spear,	**18 00**
No **3129.**	3¼ Inch, Three Blade, Brass Lined German Silver Bolster and Shield, Pearl Handle, Crocus Polished, Spear,	**18 00**

Full size cuts. Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Springbrooke Three Blade Pen Knives.

Fig. A 4065

No. **3136.** 2¾ Inch Three Blades, Brass Lined, German Silver Bolster, Ivory Handle, Crocus Polished, Spear, Per dozen, **$14 50**
No. **3137.** 2¾ Inch, Three Blades, Brass Lined, German Silver Bolster, Shell Handle, Crocus Polished, Spear, " **16 50**
No. **3139.** 2¾ Inch, Three Blades, Brass Lined, German Silver Bolster, Pearl Handle, Crocus Polished, Spear, " **16 50**

Fig. A–4066.

No. **3146.** 3¼ Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Ivory Handle, Crocus Polished, Spear . . . . . Per dozen, **$18 00**
No. **3147.** 3¼ Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Shell Handle, Crocus Polished, Spear . . . . . " **21 00**
No. **3148.** 3¼ Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear . . . . . " **18 00**
No. **3149.** 3¼ Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Pearl Handle, Crocus Polished, Spear . . . . . " **21 00**

Fig. A–4067.

No. **3156.** 3 Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Ivory Handle, Crocus Polished, Spear . . . . . Per dozen, **$17 00**
No. **3157.** 3 Inch Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Shell Handle, Crocus Polished, Spear . . . . . " **20 00**
No. **3158** 3 Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished Spear . . . . . " **17 00**
No. **3159.** 3 Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Pearl Handle, Crocus Polished, Spear . . . . . " **20 00**

Fig. A–4068

No. **3167** 3 Inch, Three Blades, Brass Lined, German Silver Bolster, Cap and Shield, Shell Handle, Crocus Polished, Spear . . . . . Per dozen, **$18 00**
No. **3169.** 3 Inch, Three Blades, Brass Lined, German Silver Handle, Cap and Shield, Pearl Handle, Crocus Polished, Spear . . . . . " **18 00**

Fig. A–4069.

No. **3179.** 3 Inch, Three Blades, Brass Lined, German Silver Bolster and Cap, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$18 00**

Full size cuts. Half dozen in a box.

Springbrooke Three Blade Pen Knives.

Fig. A–4070

No. **3189.** 3 Inch, Three Blade, Brass Lined, German Silver Tips and Shield, Pearl Handle, Crocus Polish, Spear, Per dozen, **$20 00**

Fig. A–4071.

No. **3199.** 3⅛ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Pearl Handle Crocus Polished, Spear . . . . Per dozen, **$19 00**

Fig. A–4072.

No. **3209.** 3¼ Inch, Three Blade, Brass Lined, German Silver Shield, Pearl Handle, Crocus Polished, Spear, Per dozen, **$21 00**

Fig. A–4073.

No **3219.** 3¼ Inch, Three Blade, Brass Milled Linings, German Silver Bolster, Cap and Shield, Pearl Handle Crocus Polished, Spear . . . . . Per dozen, **$19 50**

Fig. A–4074.

No. **3229.** 3¼ Inch, Three Blade, Brass Lined, German Silver Bolster and Cap, Pearl Handle, Crocus Polished, Spear, Per dozen, **$18 00**

Full size cuts. Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Springbrooke Three Blade Pen Knives.

Fig. A-4075.

No. **3239** 3⅛ Inch, Three Blade, German Silver Lined with Aluminum Fancy Bolster and Cap, Pearl Handle, Crocus Polished, Spear . . . . . Per dozen, **$17 50**

Fig. A-4076

No **3244.** 3⅛ Inch Three Blade, Brass Lined, Horn Handle, Crocus Polished, Spear . . . . . Per dozen, **$12 00**
No **3246** 3⅛ Inch, Three Blade, Brass Lined, Ivory Handle, Crocus Polished, Spear . . . . . " **13 00**
No. **3248** 3⅜ Inch, Three Blade, Brass Lined, Stag Handle, Crocus Polished, Spear . . . . . " **12 00**
No **3249.** 3⅜ Inch, Three Blade, Brass Lined, Pearl Handle, Crocus Polished, Spear . . . . . " **18 00**

Fig. A-4077.

No. **3258** 3¼ Inch, Three Blade, Brass Lined, Iron Bolster and Cap, German Silver Shield, Stag Handle, Crocus Polished, Spear . . . . . Per dozen, **$14 50**

Fig. A-4078.

No **3268.** 3 Inch, Three Blade, Brass Lined, Iron Bolster and Cap, German Silver Shield, Stag Handle, Crocus Polished, Spear . . . . . Per dozen, **$14 50**

Fig A-4079.

No. **3278.** 3⅜ Inch, Three Blade, Brass Lined, Iron Bolster and Cap, German Silver Shield, Stag Handle, Crocus Polished, Spear . . . . . Per dozen, **$14 50**

Full size cuts. Half dozen in a box.

Springbrooke Three Blade Pen Knives.

Fig. A-4080.

No. **3288.** 3¼ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear . . . . . Per doz **$15 00**

Fig. A-4081.

No. **3298.** 3¼ Inch, Three Blade, German Silver Lined, Tips and Shield, Stag Handle, Crocus Polished, Spear . . . Per doz. **$16 50**

Fig. A-4082.

No. **3308.** 3¼ Inch, Three Blade, German Silver Lined, Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear, Per doz. **$14 00**

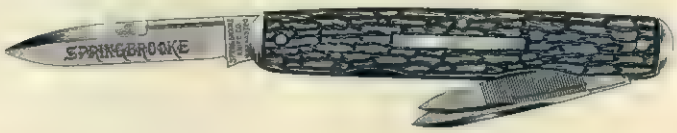


Fig. A-4083.

No. **3318.** 3 Inch, Three Blade, Brass Lined, German Silver Tips and Shield, Stag Handle, Crocus Polished, Spear . Per doz **$15 00**

Fig. A-4084.

No. **3328** 3½ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear . . . . . Per doz. **$15 00**

Full size cuts. Half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Springbrooke Three Blade Pen Knives.

Fig. A-4085.

Per doz.

No. **3338.** 3½ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, Spear **$15 50**

Fig. A-4086.

Per doz.

No. **3354.** 3⅜ Inch, Three Blade, Brass Lined, German Silver Tips and Shield, Horn Handle, Crocus Polished, Spear . **$14 50**
No. **3356.** 3⅜ Inch, Three Blade, Brass Lined, German Silver Tips and Shield, Ivory Handle, Crocus Polished, Spear . **15 50**
No. **3358** 3⅜ Inch, Three Blade, Brass Lined, German Silver Tips and Shield, Stag Handle, Crocus Polished, Spear . **14 50**

Springbrooke Three Blade Cattle Knives.

Fig. A-4087.

Per doz.

No. **3360.** 3⅝ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Ebony Handle, Crocus Polished, **$15 00**
No. **3361.** 3⅝ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Coco Handle, Crocus Polished, **15 00**
No. **3368.** 3⅝ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, **16 00**

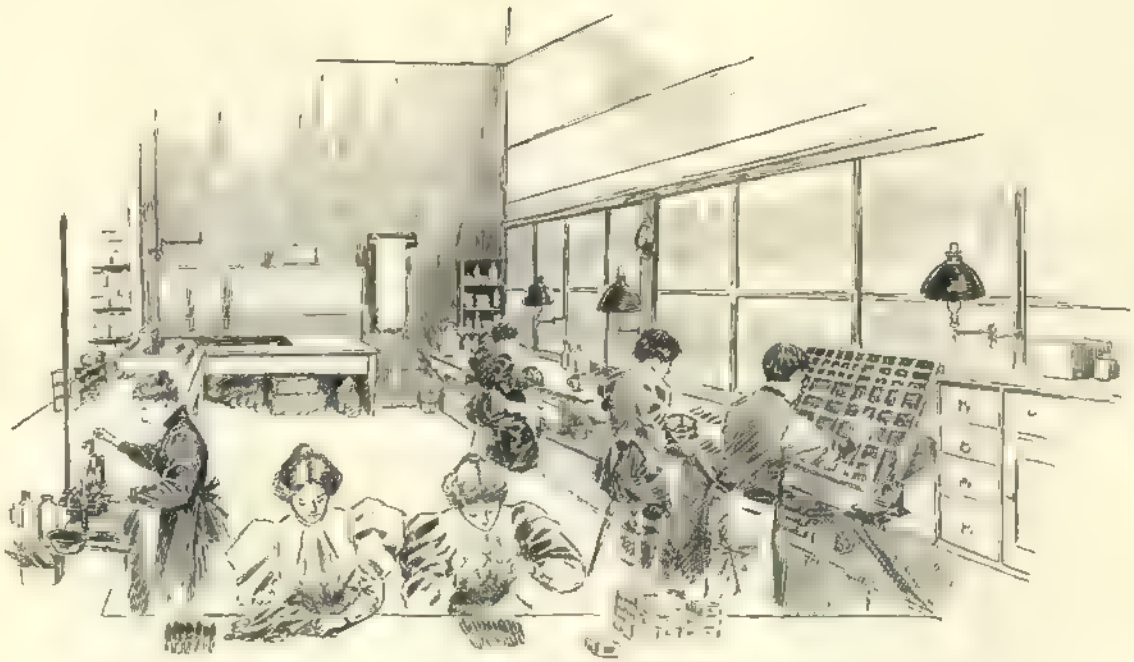
Fig. A-4088.

Per doz.

No. **3370.** 3⅝ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Ebony Handle, Crocus Polished, **$15 00**
No. **3371.** 3⅝ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Coco Handle, Crocus Polished, **15 00**
No. **3378.** 3⅝ Inch, Three Blade, Brass Lined, German Silver Bolster, Cap and Shield, Stag Handle, Crocus Polished, **16 00**

Full size cuts. Half dozen in a box.

ETCHING CUTLERY.



ETCHING DEPARTMENT.

The very best way of increasing trade in pocket cutlery is through the dealer's advertisement on the large blade of his best knives. If this is done wisely, it establishes a reputation for all knives bearing the dealer's name adding his reputation to that of the maker, and thus is a convincing argument to the quality of the article The consumer is sure of a double guarantee, and if the brand is unknown, he at least knows that the dealer would not have his name on inferior goods It is also a strong safeguard against theft Several times every year we hear of stolen goods recovered which had been etched by us, the name on the blade identifying the knives and establishing evidence to convict the thieves Numbers of our customers have informed us that they had been robbed, the thieves leaving the etched knives untouched.

Our etching department, beginning in 1896 in a very modest way, has grown to an important adjunct to our cutlery business. Our etchers have become artists in their work, having every appliance necessary or desirable to produce fine results.

Etching has become popular, and the public is quick to notice the enterprise of a dealer who has something new to offer.

We make no charge whatever for this work, feeling that we are amply repaid by the increased business the dealer is sure to give us in consequence of adding to the selling quality of his knives Our only requirements are that a sufficient (not a large) quantity is ordered each time to warrant it, and that the goods are such that we as a firm would care to affix our guaranty.

We shall be glad to explain more fully through our representatives or by letter our position in this matter and show samples of the work.

POCKET KNIVES.

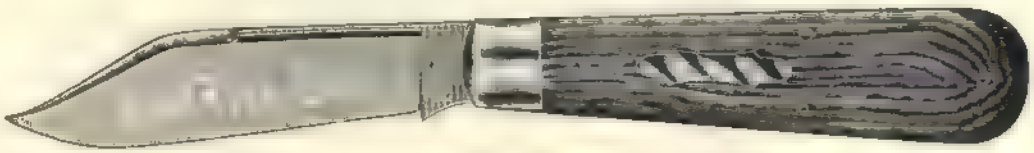
HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

No 411.

No. 157	1 blade, cocoa handle, iron lined, crocus polished, 3⅛ in.,	per dozen	$3 20
No. 519	2 blades, cocoa handle, iron lined, crocus polished, 3⅛ in.,	"	5.25
No. 411	2 blades, ebony handle, iron lined, crocus polished, 3¼ in.,	"	5.50
No. 444	2 blades, cocoa handle, iron lined, crocus polished, 3⅜ in.,	"	5.60
No. 412	2 blades, ebony handle, iron lined, crocus polished, 3⅜ in.,	"	6.00
No. 448	2 blades, cocoa handle, brass lined, crocus polished, 3⅜ in	"	6.80

No 153

No. 153	1 blade, cocoa handle, iron lined, crocus polished, 3⅝ in.,	per dozen	$4.00
No. 159	1 blade, stag handle, iron lined, crocus polished, 3⅝ in.,	"	4 00



No 154

No. 154	1 blade, cocoa handle, iron lined, crocus polished, 3⅝ in.,	per dozen	$4 00
No. 160	1 blade, stag handle, iron lined, crocus polished, 3⅝ in.,	"	4.00

No. 155

No. 155	1 blade, cocoa handle, iron lined, crocus polished, 3⅝ in.,	per dozen	$4.00
No. 161	1 blade, stag handle, iron lined, crocus polished, 3⅝ in.,	"	4.00

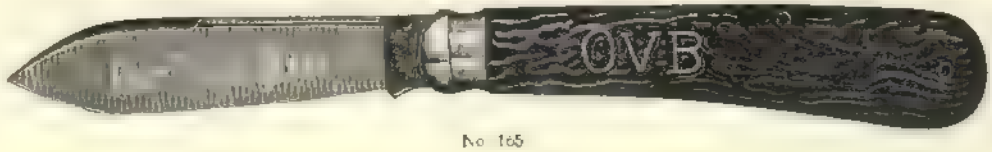
No 445

No. 445	2 blades, cocoa handle, iron lined, crocus polished, 3⅝ in.,	per dozen	$6 40
No. 413	2 blades, ebony handle, iron lined, crocus polished, 3⅝ in.,	"	6.80
No. 449	2 blades, cocoa handle, brass lined, crocus polished, 3½ in.,	"	7.20
No. 446	2 blades, cocoa handle, iron lined, crocus polished, 3¾ in.,	"	7.20
No. 414	2 blades, ebony handle, iron lined, crocus polished, 3⅞ in.,	"	7.60
No. 450	2 blades, cocoa handle, brass lined, crocus polished, 3¾ in.,	"	8.00

HALF DOZEN IN A BOX.

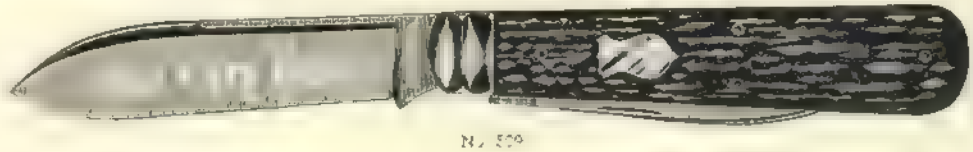
POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.



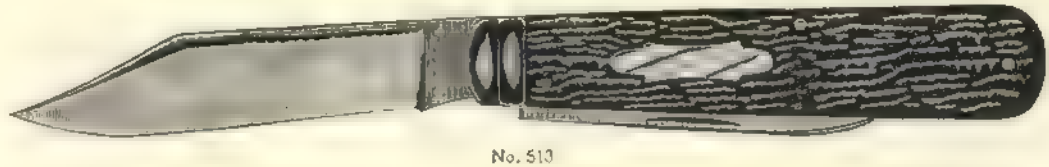
No. 165

No. 165–1 blade, iron handle, crocus polished, 3⅜ in., - - - - - - - - - per dozen $3.20
No. 534–2 blades, iron handle, crocus polished, 3⅜ in., - - - - - - - - - " 5.20



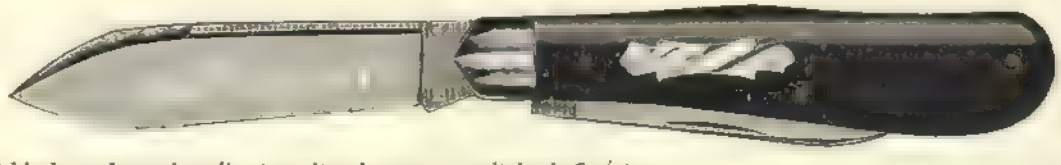
No. 509

No. 509 2 blades, stag handle, brass lined, crocus polished, 3½ in., per dozen $6 80
No. 512–2 blades, stag handle, brass lined, crocus polished, 3⅝ in., - - - - - - " 7.60

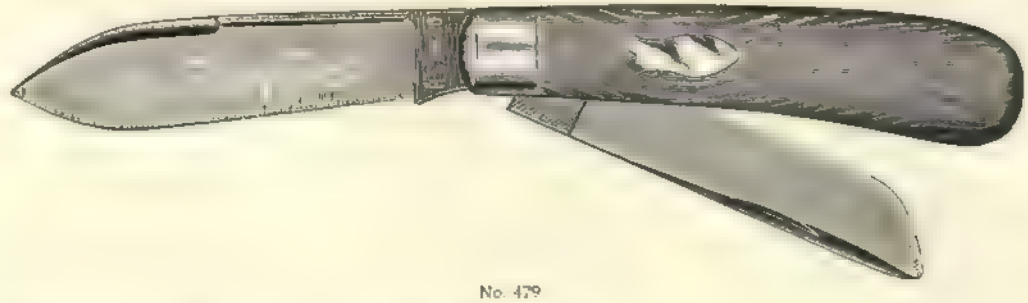


No. 513

No. 443–Cocoa handle, iron lined, crocus polished, clip blade, 3½ in., - - - - - per dozen $6 40
No. 510–Stag handle, brass lined, crocus polished, clip blade, hollow bolster, 3⅝ in., - - - 6 80
No. 513–Stag handle, brass lined, crocus polished, clip blade, hollow bolster, 3⅝ in., - - - " 7.60



No. 517 2 blades, ebony handle, iron lined, crocus polished 3¾ in., - - - - - - per dozen $7 20



No. 479

No. 158–1 speying blade, cocoa handle, iron lined, crocus polished, 3⅝ in., - - - - per dozen $4.80
No. 479–2 blades, cocoa handle, iron lined, crocus polished, 3⅝ in., - - - - - - " 8.00

HALF DOZEN IN A BOX.

POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

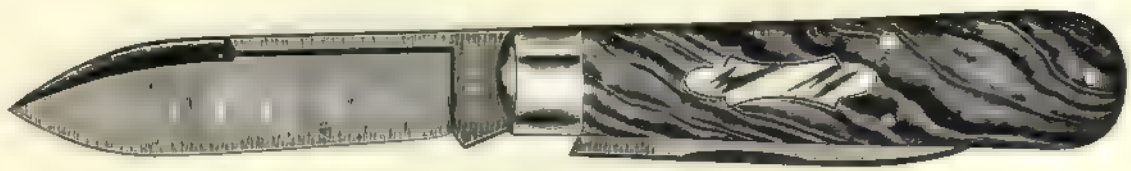
No. 447

No. 447–2 blades, ebony handle, iron lined, crocus polished, 3⅝ in., ... per dozen $6 80
No. 511 2 blades, stag handle, brass lined, crocus polished, hollow bolster, 3⅜ in., . . " 6.80
No. 514–2 blades, stag handle, brass lined, crocus polished, hollow bolster, 3⅜ in., . " 7 60

No. 506–2 blades, ebony handle, iron lined, crocus polished, 3⅝ in., ... per dozen $8.40

No. 489

No. 489–2 blades, cocoa handle, brass lined, crocus polished, 3¾ in., ... per dozen $8.25
No. 490–2 blades, buffalo handle, brass lined, crocus polished, 3¾ in., ... " 8.40



No. 418.

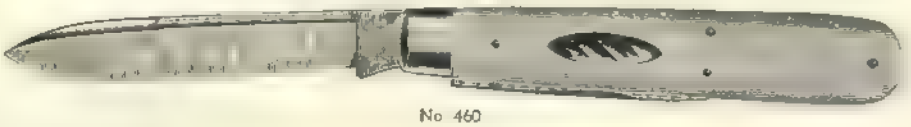
No. 418–2 blades, cocoa handle, brass lined, crocus polished, 3⅞ in., ... per dozen $9.20
No. 419 2 blades, buffalo handle, brass lined, crocus polished, 3⅞ in., ... " 9.35
No. 477–2 blades, cocoa handle, brass lined, crocus polished 3⅞ in., extra heavy, . . " 9 60
No. 478–2 blades, ebony handle, brass lined, crocus polished, 3⅞ in., extra heavy, . . " 9.75

No. 256–2 blades, ebony handle, brass lined, crocus polished, 4 in., ... per dozen $10.40

HALF DOZEN IN A BOX.

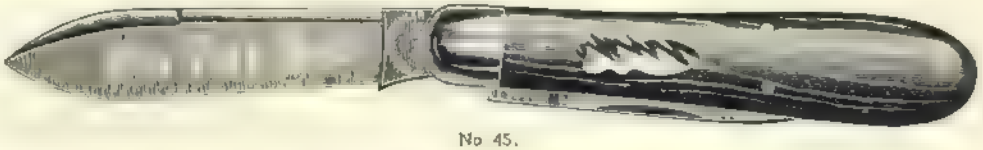
POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.



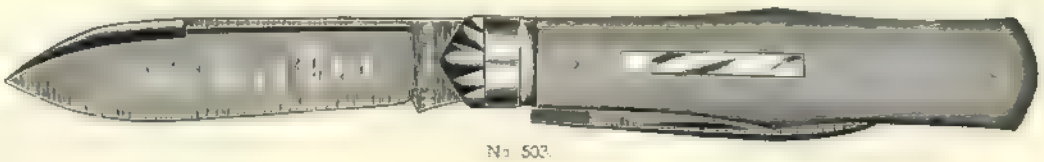
No 460

No. 458 2 blades, buffalo handle, brass lined, crocus polished, 3⅛ in - - - - - per dozen $ 7 60
No. 459-2 blades, ivory handle, brass lined, crocus polished, 3⅛ in., - - - - " 8 80
No. 460-2 blades, pearl handle, brass lined, crocus polished, 3⅛ in., - - - - - " 15.30



No 45.

No. 451-2 blades, cocoa handle, brass lined, crocus polished 3⅛ in , - - - - - per dozen $7 20
No. 452-2 blades, ebony handle, brass lined, crocus polished, 3⅛ in., - - - - - " 7.35



No 503

No. 501 2 blades, cocoa handle, brass lined, crocus polished, 3¾ in , - - - - - per dozen $8 40
No. 502 2 blades, ebony handle, brass lined, crocus polished, 3¾ in , - - - - - " 8.55
No. 503 2 blades, white bone handle, brass lined, crocus polished, 3¾ in , - - - " 9 60
No. 515 2 blades, cocoa handle, iron lined, crocus polished, plain bolster, 3¾ in - - - " 7 20

No 456

No. 456 2 blades, cocoa handle, brass lined, crocus polished, 3⅝ in , - - - - - per dozen $8.00
No. 457 2 blades, ebony handle, brass lined, crocus polished, 3⅝ in , - - - - " 8 15

No 454

No. 453-2 blades, cocoa handle, brass lined, crocus polished, 3⅝ in , - - - - - per dozen $7.60
No. 454 2 blades, ebony handle, brass lined, crocus polished, 3⅝ in , - - - - - " 7 75
No. 455 2 blades, white bone handle, brass lined, crocus polished, 3⅝ in., - - - - " 8.80

HALF DOZEN IN A BOX.

POCKET KNIVES.

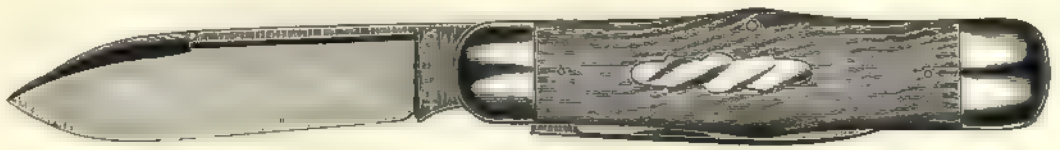
HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

No. 487 ½

No. 485 2 blades, cocoa handle, brass lined, crocus polished, 3½ in., - - - - per dozen $8.00
No. 486 –2 blades, ebony handle, brass lined, crocus polished, 3½ in., - - - - " 8.15
No. 487½ 2 blades, white bone handle, brass lined, crocus polished, 3½ in., - - - " 9.20
No. 488 –2 blades, stag handle, brass lined, crocus polished, 3½ in., - - - - - " 8.40

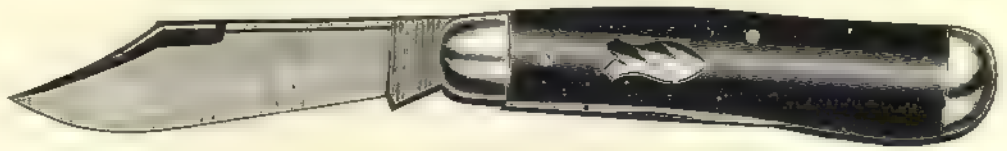
No. 525.

No. 301–2 blades, ebony handle, brass lined, crocus polished, 3⅜ in, - - - - - per dozen $7.60
No. 524–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., - - - - - " 8 80
No. 525–2 blades, ebony handle, brass lined, crocus polished, 3½ in., - - - - - " 9.00
No. 526–2 blades, stag handle, brass lined, crocus polished, 3½ in., - - - - - " 9 20



No. 470

No. 470–2 blades, cocoa handle, brass lined, crocus polished, 3¾ in., - - - - - per dozen $ 9.60
No. 471 2 blades, ebony handle, brass lined, crocus polished, 3¾ in, - - - - - " 9.75
No. 472–2 blades, white bone handle, brass lined, crocus polished, 3¼ in., - - - - " 10 40



No. 421

No. 420–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., - - - - - per dozen $9.60
No. 421–2 blades, ebony handle, brass lined, crocus polished 3½ in, - - - - - " 9.75

No. 416.

No. 416–2 blades, cocoa handle, brass lined, crocus polished, 3¾ in., - - - - - per dozen $10.00
No. 417–2 blades, ebony handle, brass lined, crocus polished, 3¾ in., - - - - - " 10.15

HALF DOZEN IN A BOX.

POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

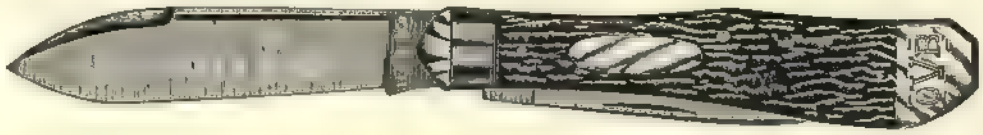
No 481.

No. 480–2 blades, cocoa handle, brass lined, crocus polished, 3⅝ in., - - - - - per dozen $10.40
No. 481–2 blades, ebony handle, brass lined, crocus polished, 3⅝ in., - - - - - " 10.60
No. 482–2 blades, ivory handle, brass lined, crocus polished, 3⅝ in., - - - - - " 16.80
No. 483–2 blades, stag handle, brass lined, crocus polished, 3⅝ in., - - - - - " 10.80

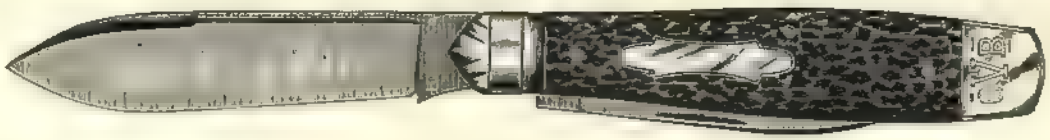
No. 493½.

No. 491 –2 blades, cocoa handle, brass lined, crocus polished, 3¾ in., - - - - per dozen $10 40
No. 492 2 blades, ebony handle, brass lined, crocus polished, 3¼ in., - - - " 10 60
No. 493½–2 blades, white bone handle, brass lined, crocus polished, 3¾ in., - " 12.40

No. 484–2 blades, stag handle, brass lined crocus polished, 3⅝ in., - - - - - per dozen $10 40



No. 521–2 blades, stag handle, brass lined, crocus polished, 3½ in., - - - - - per dozen $10 00

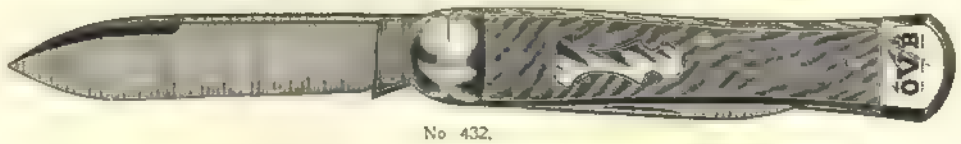


No. 500–2 blades, stag handle, brass lined, crocus polished, 3⅝ in., - - - - - per dozen $10.40

HALF DOZEN IN A BOX

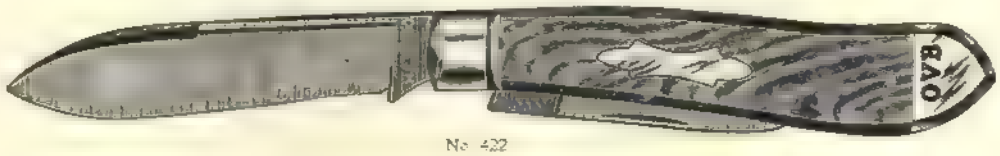
POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.



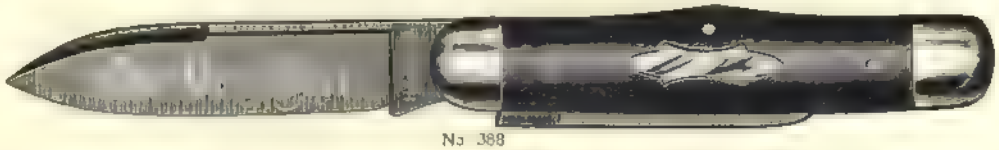
No 432.

No. 432 –2 blades, cocoa handle, brass lined, crocus polished, 3½ in. . . . . per dozen $ 9.20
No. 433 –2 blades, ebony handle, brass lined, crocus polished, 3½ in . . . . . " 9.35
No. 434 –2 blades, stag handle, brass lined, crocus polished, 3½ in, ... " 9.60
No. 434½–2 blades, white bone handle, brass lined, crocus polished, 3½ in, . . " 11.20
No. 435 –2 blades, pearl handle brass lined, crocus polished, 3½ in., . . " 18 00



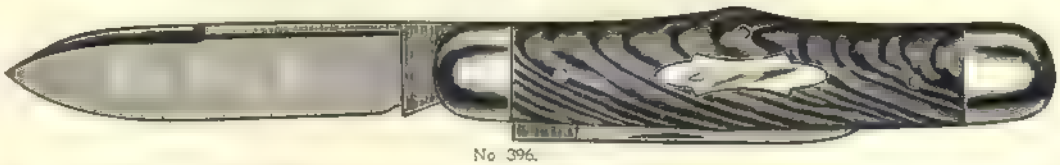
No 422

No. 422 2 blades, cocoa handle, brass lined, crocus polished, 3½ in . . per dozen $9 20
No. 423 2 blades, ebony handle, brass lined, crocus polished, 3¼ in, . . " 9.35
No. 424 2 blades, stag handle, brass lined, crocus polished, 3½ in, ... " 9.60



No 388

No. 387–2 blades, cocoa handle, brass lined, crocus polished, 3⅛ in., ... per dozen $8 80
No. 388–2 blades, ebony handle, brass lined, crocus polished, 3⅛ in., . . . " 9.00
No. 389 2 blades, stag handle, brass lined, crocus polished, hollow bolsters, 3⅛ in, . . " 9.20



No 396.

No. 396–2 blades, cocoa handle, brass lined, crocus polished, 3⅞ in., ... per dozen $10 00
No. 397 2 blades, ebony handle, brass lined, crocus polished, 3⅞ in, . . " 10.15
No. 398–2 blades, stag handle brass lined, crocus polished, hollow bolsters, 3⅞ in . . . " 10.40

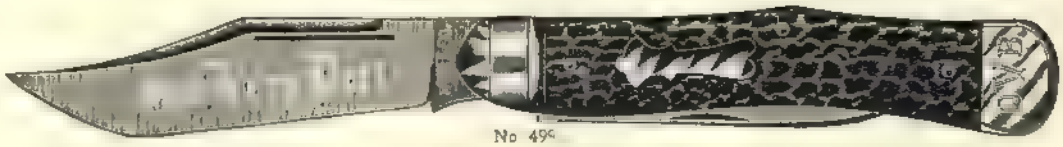
No. 408–2 blades, pearl handle, brass lined, crocus polished, 3⅞ in., ... per dozen $21.60

HALF DOZEN IN A BOX.

POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

No. 469–2 blades, stag handle, brass lined, crocus polished, 3½ in., - - - - per dozen $10.00



No. 496

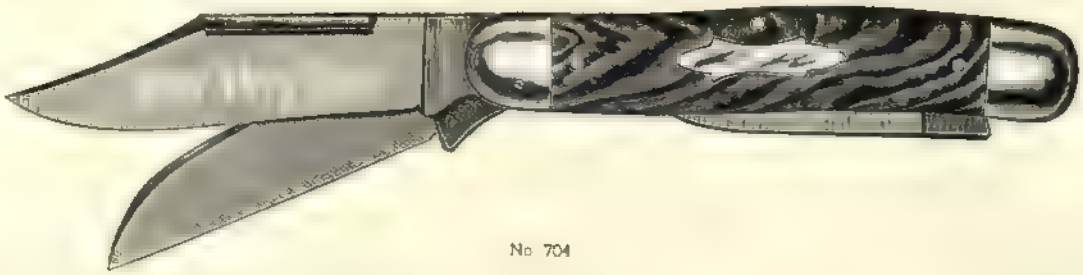
No. 496–2 blades, cocoa handle, brass lined, crocus polished, 3¾ in., - - - - - per dozen $10.80
No. 497–2 blades, ebony handle, brass lined, crocus polished, 3¾ in., - - - - - " 11 00
No. 499–2 blades, stag handle, brass lined, crocus polished, 3¾ in., - - - - - " 11.20
No. 498–2 blades, Ivory handle, brass lined, crocus polished, 3¾ in., - - - - " 16.80

No. 392

No. 392–2 blades, stag handle, brass lined, crocus polished, 3½ in., - - - - - per dozen $ 9 60
No. 402–2 blades, stag handle, brass lined, crocus polished, 3⅞ in., - - - - - " 10 80

No. 400

No. 390–2 blades, cocoa handle, brass lined, crocus polished, 3½ in., - - - - - per dozen $ 9.20
No. 391–2 blades, ebony handle, brass lined, crocus polished, 3½ in., - - - - - " 9.35
No. 400–2 blades, cocoa handle, brass lined, crocus polished, 3⅞ in., - - - - " 10.40
No. 401–2 blades, ebony handle, brass lined, crocus polished, 3⅞ in., - - - - - " 10.50



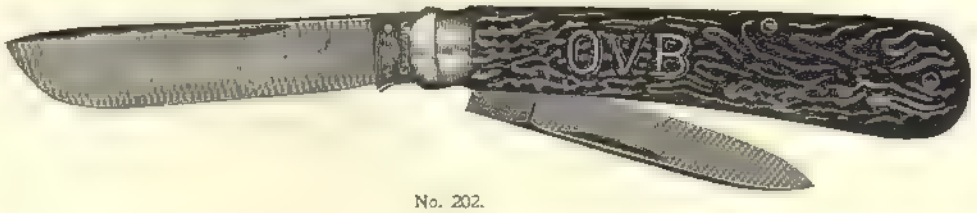
No. 704

No. 704–3 blades, cocoa handle, brass lined, crocus polished, 3⅞ in., - - - - - per dozen $13.60
No. 705–3 blades, ebony handle, brass lined, crocus polished, 3⅞ in., - - - - - " 13.80
No. 706 3 blades, stag handle, brass lined, crocus polished hollow bolsters, 3⅞ in., - - " 14.00

HALF DOZEN IN A BOX

POCKET KNIVES.

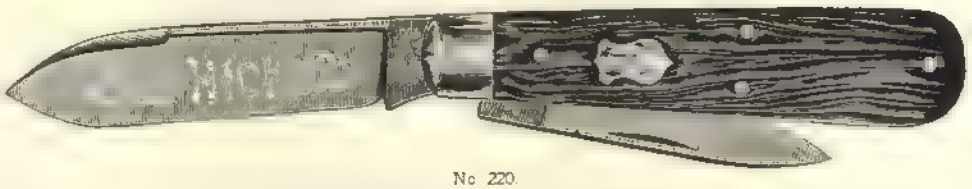
HIBBARD, SPENCER, BARTLETT & CO'S, WARRANTED.



No. 202.

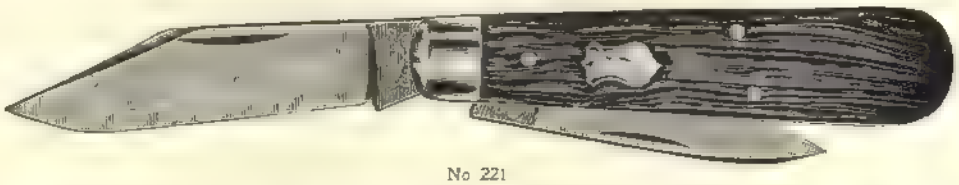
No. 102–1 blade, iron handle, speying knife, 3½ in., ... per dozen $3.60
No. 202–2 blades, iron handle, speying knife, 3½ in., ... " 5.20

No. 104–1 blade, speying, cocoa handle, iron lined, 3½ in, ... per dozen $3.20



No 220.

No. 111½–1 blade, cocoa handle, iron lined, glazed, not etched, 3½ in, . . . per dozen $2.70
No. 234 –2 blades, cocoa handle, iron lined, glazed, not etched, 3½ in., ... " 3.60
No. 117 –1 blade, cocoa handle, iron lined, crocus polished, etched "Old Hickory," 3⅜ in, . " 3.20
No. 220 –2 blades, cocoa handle, iron lined, crocus polished, etched "Old Hickory," 3⅜ in, . " 4.55



No 221

No. 118 1 blade, cocoa handle, iron lined, crocus polished, 3⅜ in., ... per dozen $3.20
No. 221 2 blades, cocoa handle, iron lined, crocus polished, 3⅜ in., ... " 4.55
No. 236–2 blades, cocoa handle, iron lined, glazed, not etched, 3½ in., ... " 4 25

No 218.

No. 235–2 blades, cocoa handle, iron lined, 3½ in, ... per dozen $4.00
No. 116–1 blade, ebony handle, iron lined, 3¾ in, ... " 4.15
No. 217–2 blades, cocoa handle, iron lined, 3⅞ in., ... " 6.00
No. 218–2 blades, ebony handle, iron lined, 3⅞ in., ... " 6.15

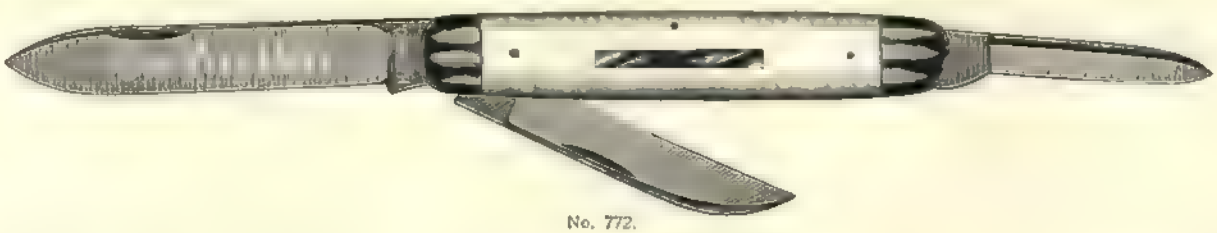
HALF DOZEN IN A BOX.

POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

No. 695

No. 695 –3 blades, cocoa handle, brass lined, crocus polished, 3½ in., - - - - per dozen $12.40
No. 696 –3 blades, ebony handle, brass lined, crocus polished, 3½ in., - - - - " 12 55
No. 696½–3 blades, stag handle, brass lined, crocus polished, hollow bolsters, 3½ in., - " 12.80
No. 695½–3 blades, ivory handle, brass lined, crocus polished, 3½ in., - - - - " 14.40

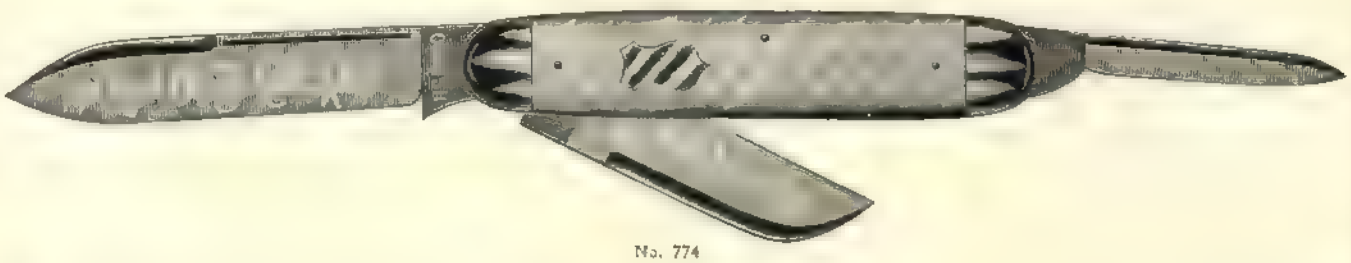


No. 772.

No. 770–3 blades, ebony handle, brass lined, crocus polished, 3⅜ in., - - - - per dozen $12.00
No. 771–3 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - - " 12.40
No. 772–3 blades, ivory handle, brass lined, crocus polished, 3⅜ in., - - - - - " 14.40

No 766

No. 764–3 blades, cocoa handle, brass lined, crocus polished, 3⅜ in., - - - - - per dozen $12.00
No. 765–3 blades, ebony handle, brass lined, crocus polished, 3⅜ in., - - - " 12.20
No. 766–3 blades, stag handle, brass lined, crocus polished, 3⅜ in., - - - - " 12.80
No. 768–3 blades, pearl handle, brass lined, crocus polished, 3⅜ in., - - - - - " 21.60



No. 774

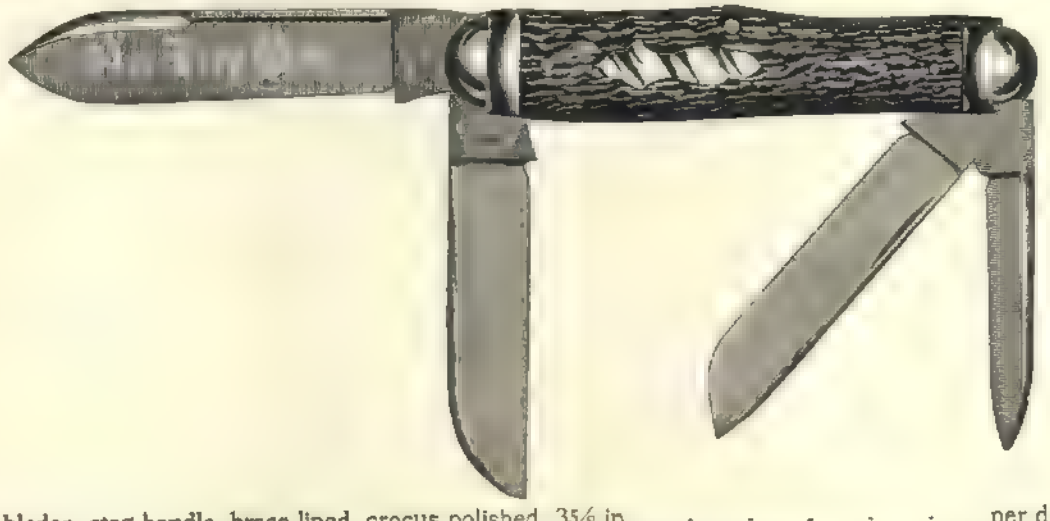
No. 773–3 blades, stag handle, brass lined, crocus polished, 3⅝ in., - - - - - per dozen $14.40
No. 774–3 blades, pearl handle, brass lined, crocus polished, 3⅝ in., - - - - - " 25.60

HALF DOZEN IN A BOX.

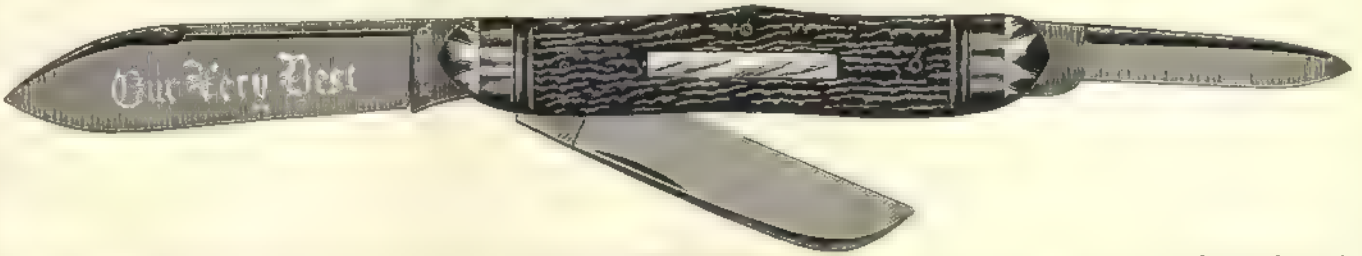
POCKET KNIVES.

HIBBARD, SPENCER, BARTLETT & CO'S "OUR VERY BEST," WARRANTED.

No. 749–3 blades, stag handle, brass lined, crocus polished, 3⅝ in., ... per dozen $14.80



No. 840–4 blades, stag handle, brass lined, crocus polished, 3⅝ in., ... per dozen $17 60

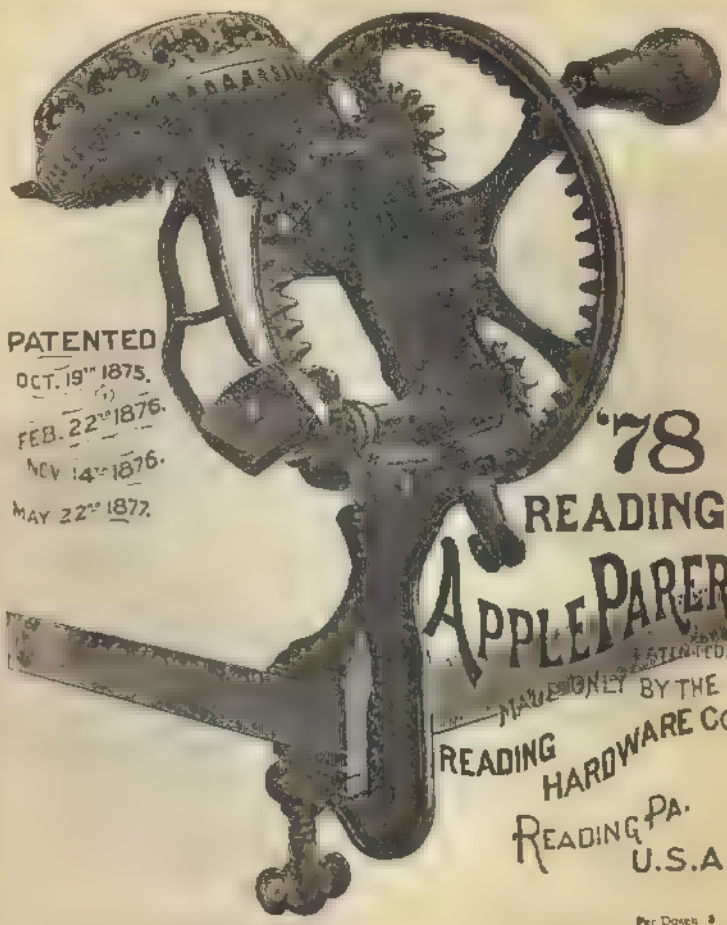


No. 751 3 blades, stag handle, brass lined, crocus polished, 3¾ in., ... per dozen $14 40

No. 630–3 blades, stag handle, rope milled brass lining, crocus polished, 4 in., . . . per dozen $16 00

HALF DOZEN IN A BOX.

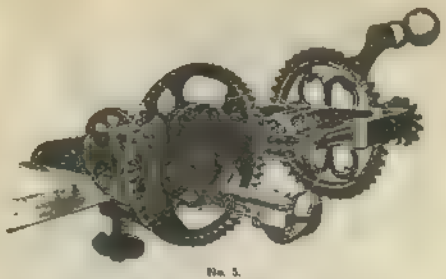
Apple Parers.



No. 78—Reading Apple Parers, with Patent Rubber Suction Feet, packed one Dozen in a Box. Per Dozen $

Peach Parers.

Monarch.



No. 5.

No. 5—Monarch Peach Parer, Revolving Knife, ... Per Dozen, $

Otto Bauer & Son.

Barrel Headers.

Screw.

No. 8.

Lever.

No. 10.

No. 8—Screw Barrel Headers, ... Per Dozen, $

No. 10—Lever . . . . . "

ADAMS' PATENT

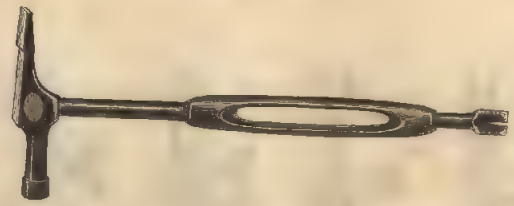
CHARCOAL SAD AND TAILORS' IRONS.

No. 1, Tailors' size, double flue, - - - - - - per dozen, $36 00
No. 2, " " " " - - - - - - - " 40 00
No. 3, Laundry and Family size, 7 and 8 pounds, - - " 20 00

SAD IRON STANDS.

No 1, - per doz, $0 75 | No. 3, - $0 55 | No. 4, - $0 63

TACK HAMMERS



Elastic Iron Handles, Steel Claws.

Per dozen, - - - - - - - - - - - - $1 50

Very neatly Japanned and Polished. Packed one dozen in a box; four gross in a case. No charge for full cases.

DOG IRONS.

All patterns, - - - - - - - - - - per pound, 4½ cents.

In ordering, please specify the sorts wanted, BY THE NUMBERS.

No. 1
13 lbs. per pair.

No. 2
16 lbs. per pair.

No. 3
19 lbs. per pair.

Nos. 4 and 5
No. 4, 23 lbs. per pair.
" 5, 27 " " "

No. 6
27 lbs per pair.

No. 7
28 lbs. per pair.

No. 8
28 lbs. per pair.

No. 9
30 lbs. per pair.

No. 10
33 lbs. per pair.

No. 11
40 lbs. per pair.

No. 12
46 lbs. per pair.

No. 13
46 lbs. per pair.

"Clark's" Screwdrivers.

IN SETS

Fig. A–1810

With Four Screwdriver Bits and Handle . . . . . Per dozen, **$15 00**

"Alexander's" Adjustable Gauge.

Fig. A–1811.

Attach the Gauge to the plane so that the depression in the center of the wing of the Gauge shall be directly opposite the cutting edge of the plane iron.

Price . . . . . Each, **$1 50**

One in a box

Woodturners' Sizing Tool.

Opens to 2½ Inches.

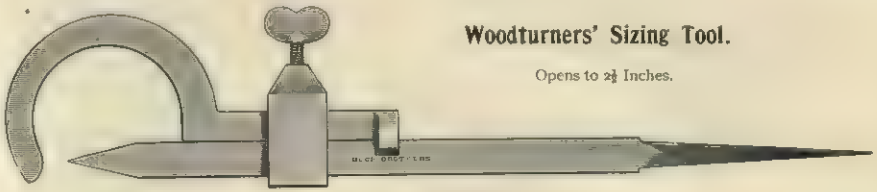


Fig. A–1812.

Small . . . . . Each, **$2 00**

Large . . . . . " **2 50**

One in a package.

"Barton's" Drawing-knives.

Narrow Carriage.

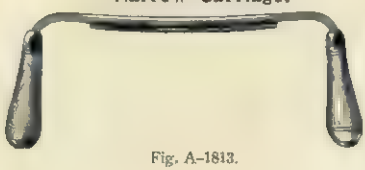


Fig. A–1813.

Shingle.

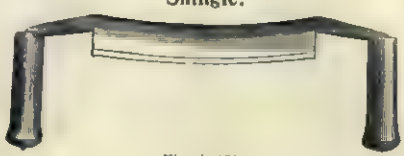


Fig. A–1814.

Carpenters'.

Fig. A–1815.

Carpenters'.

	Inch, 8	9	10	12	14	16
Per dozen	$12 00	13 00	14 00	16 00	18 00	20 00

Half dozen in a package.

Narrow Carriage.

	Inch, 8	9	10	12	14
Per dozen	$12 00	13 00	14 00	16 00	18 00

Half dozen in a package.

Shingle Knives.

	Inch, 10	12	14	16
Per dozen	$16 00	18 00	20 00	22 00

One-quarter dozen in a package.

"Riverside" Drawing-knives.

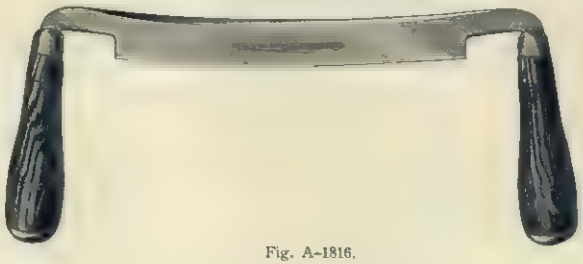


Fig. A–1816.

	Inch, 6	7	8	9	10	12	14	16
Per dozen	$16 00	17 00	18 00	19 00	20 00	22 00	25 00	28 00

"Riverside" Shingle Knives.

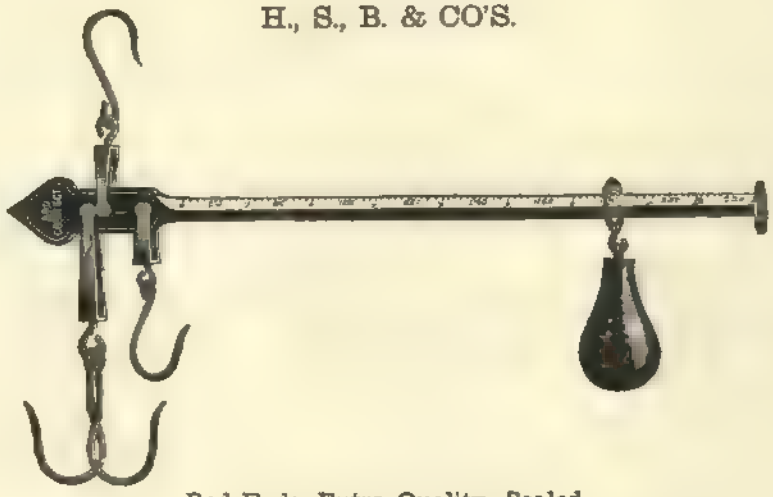
	Inch, 12	14	16
Per dozen	$25 00	30 00	35 00

One half dozen in a package.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

STEELYARDS.

H., S., B. & CO'S.

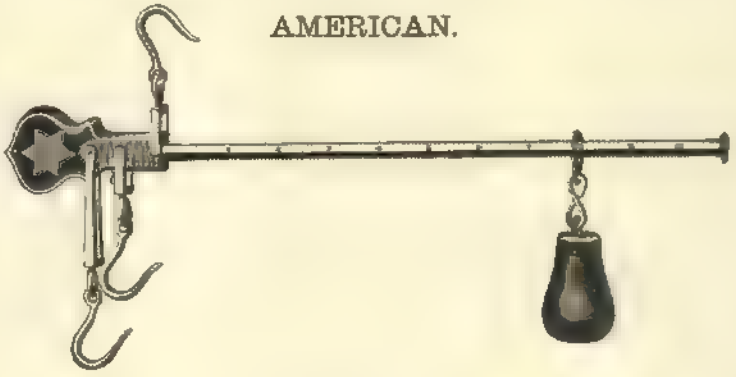


Red Ends, Extra Quality, Sealed.

Pounds,	50	100	150	200	250	300
Per dozen	$9.00	10.00	12.00	15.00	18.00	21.00

HALF DOZEN IN A CASE.

AMERICAN.



Pounds,	50	100
Per dozen	$5.50	7.00

HALF DOZEN IN A PACKAGE.

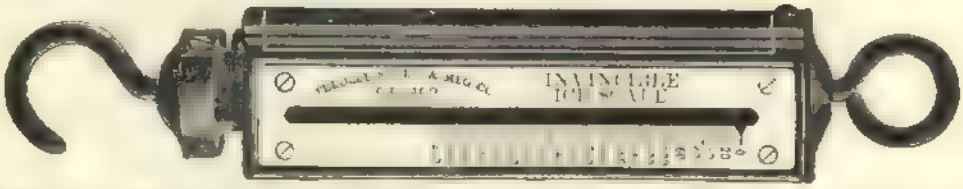
SCALE BEAMS.

Pounds,	150	200	250	300	400	500	600
Each	$1.50	1.60	1.90	2.10	2 90	3.50	4.00

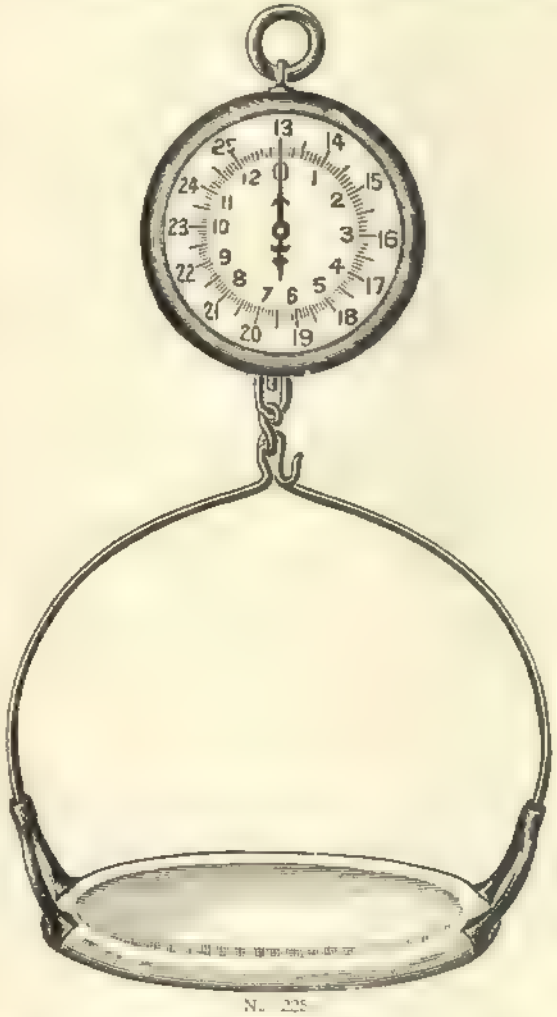
HALF DOZEN IN A CASE.

PELOUZE SPRING BALANCES.

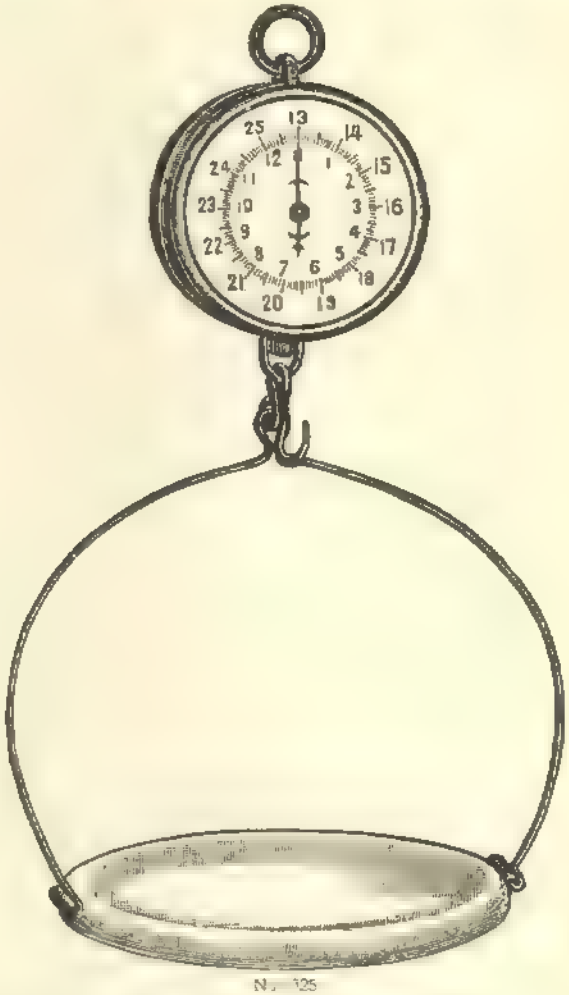
No. 50 Straight, brass face, japanned spring, capacity 50 lbs × ½ lb., ... per dozen $ 5 25
No. 100 Straight brass face, japanned spring, capacity 100 lbs × 1 lb., ... " 15 50
No. 150 Straight, brass face, japanned spring, capacity 150 lbs × 1 lb., ... " 19 50
No. 210 Straight, brass face, japanned spring, capacity 210 lbs. × 2 lbs., ... " 23.50



No. 400-Invincible ice, capacity 400 lbs × 5 lbs., warranted, long distinct aluminum dial, black figures, absolutely unbreakable, instantly adjusted, swivel top ring and hook, ... per dozen $54 00



No. 225



No. 325

No. 225 Champion, market, capacity 25 lbs × 1 oz., 6 in. circular brass dial, nickel plated rim, black figures, polished steel bow, 11 inch galvanized steel pan . . . . . each $3 25
No. 325 Peerless, market, 6 in. double dial, capacity 25 lbs × 1 oz., nickel plated brass bow and mountings, 11 in. enameled steel pan, ... each 6.75

ONE IN A BOX.

Champagne Taps.

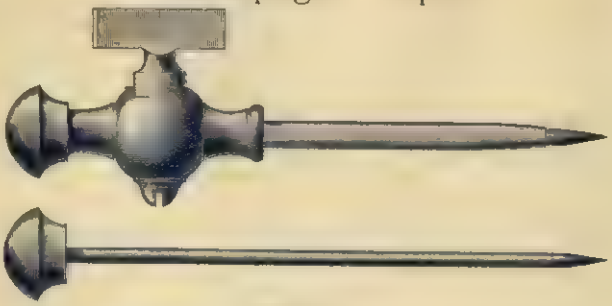


Fig. A–4442

No. **47.** 4 Inch, White Metal, Nickel Plated, Steel Pin . . . . . Per dozen, **$15 00**

Fig. A–4443.

No. **48.** 4 Inch, White Metal, Nickel Plated . . . . . Per dozen, **$12 00**

One in a box

Champagne Knives.

Fig. A–4444.

No. **336.** Osborn's, 9 inch, Coco Handle, Steel File Blade and Brush . . . . . Per dozen, **$15 00**

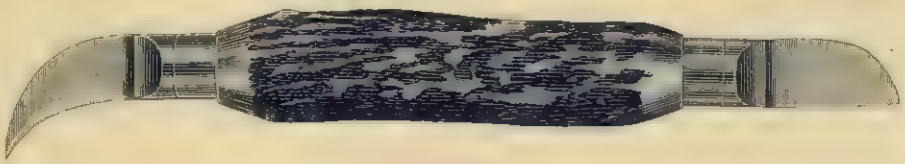


Fig A–4445.

No. **62.** 6½ Inch, Ebony Handle, Best Steel Blades . . . . . Per dozen, **$24 00**
No. **72.** 6½ Inch, Stag Handle, Best Steel Blades . . . . . " **30 00**

One dozen in a box.

Circular Family Scales.

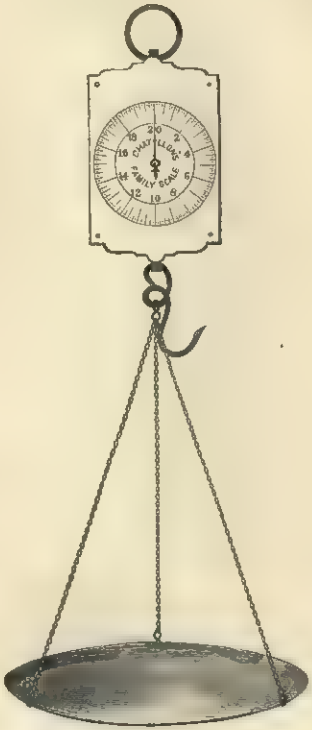


Fig. A–1216.

No. 241.

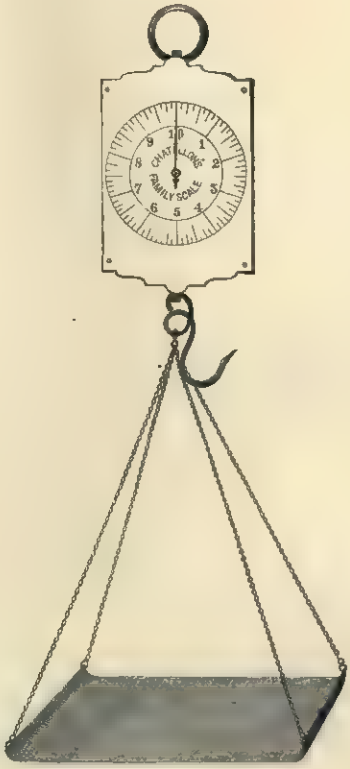


Fig. A–1217.

No. 242

No. 241. 20 Pounds by 1 oz., with Round Tin Pan. . . . . Each, **$3 75**

No. 242. 20 Pounds by 1 oz., with Square Tin Pan. . . . . " **4 00**

Packed one-quarter dozen in a box

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Circular Spring Balance.

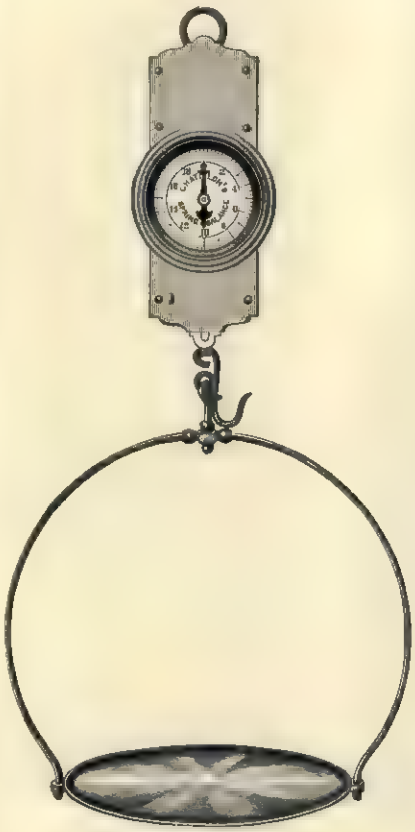


Fig. A–1218.

No. 0275.

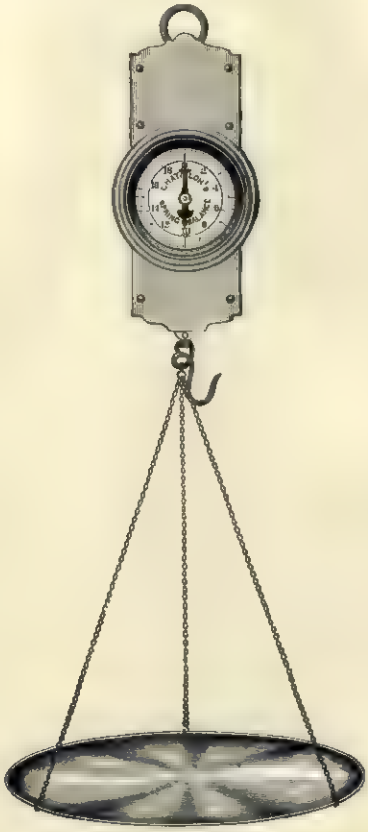


Fig. A–1219.

No. 0271.

Numbers.	Description.	Price, Each
0275	60 Pounds by 2 Ounces, with Porcelain Enameled Front and Glass Sash, Tin Pan and Brass Bows and Swivels	$10 50
0276E	60 Pounds by 2 Ounces, White Enameled Front, Glass Sash, Porcelain Enameled Pan, Nickel Silver Strengthening Edges and Nickel Plated Bows	16 00
0271	60 Pounds by 2 Ounces, White Enamel Front, Glass Sash, Round Pan	8 00
272	60 Pounds by 2 Ounces, Brass Front with Square Pan	7 50

Packed one scale in a box.

Plaza Lawn Mowers.

Durability to Preserve It.

Simplicity to Recommend It.

Fig. A–1344.

The general construction is like others made in the same factory, but the expense in production is reduced where the quality is not impaired. It is placed at a price which will successfully compete with many of the poorly constructed Lawn Mowers upon the market, but the quality has not been sacrificed for cheapness.

Size, 10 Inch	Price, each, $6 00
Size, 12 Inch	" 6 50
Size, 14 Inch	" 7 00
Size, 16 Inch	" 8 00

Philadelphia Lawn Mower.

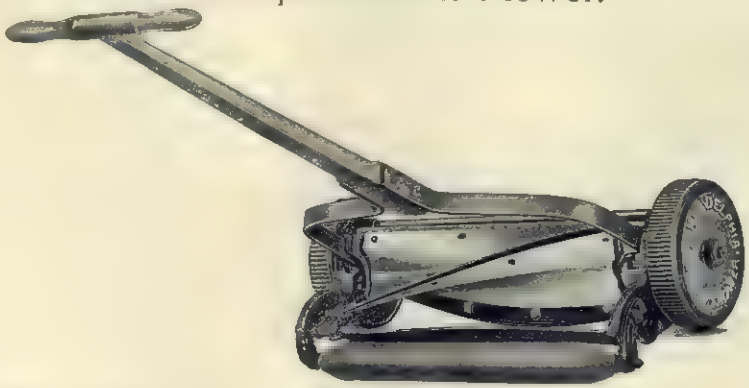


Fig. A–1345.

This Mower is for general purposes, and very popular. It has 7-inch driving wheels, with three-blade solid cylinder, with the knives bolted on. These are staple goods the world over.

Dimensions and Price List.

Style.	Width.	Price each.
M	12 Inches.	$13 00
M	14 Inches.	17 00
M	16 Inches.	19 00
M	18 Inches	21 00

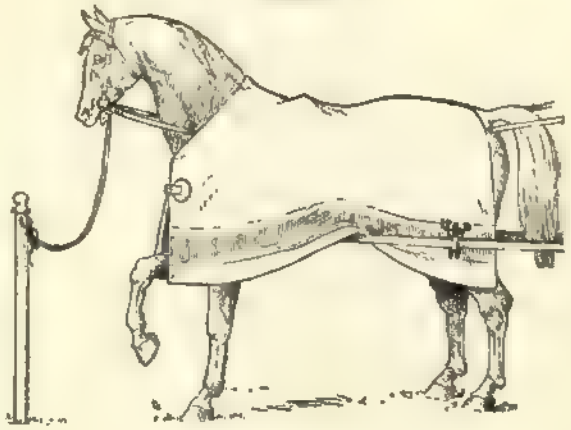
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal

BLANKET PINS.

Nickel Plated, - - - - per doz. $1.00

HALF DOZEN ON A CARD; HALF GROSS IN A BOX.

BLANKET HOLDERS.

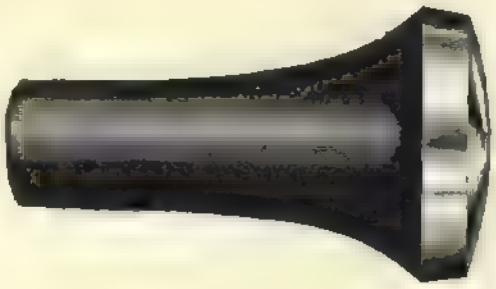


Standard–Tinned steel wire, - per doz. $1.00

Designed for street use When it is properly adjusted, the blanket cannot work from one side to the other or get over the horse's head. To adjust the holder, first fasten your blanket in front, then place the holders on the sides of the horse in such a position that the tugs will lay in tug springs so as to hold the blanket square on the horse after the holder is adjusted To remove blanket from the horse, simply raise the tugs out of tug springs, leaving them on the blanket for future use

HALF GROSS IN A BOX

PLOW ANVILS.



No. 20–Cast, polished head and face, per doz. $4.50

HARNESS SHOPS.

Johnson's–Portable, - - - per doz. $24.00

The "Shop" is a handsomely finished box 18x8x5 in. The lid or seat is solid oak securely attached with wrought steel hinges. In one end of the lid, a heavy iron socket is set in flush with the top; and by a clever arrangement the sewing clamp or vice may be put in position in a moment, solid, and in proper position for either a right or left handed man, for sewing a harness or filing a saw, key, etc. The clamp is made of iron, strong and serviceable, and neatly japanned.

The outfit consists of a good knife, an adjustable sewing awl haft, a saddler's straight awl, a saddler's bent awl, a wrench, a paper of harness needles, a ball of linen harness thread, a ball of shoemaker's wax, a box of Bifurcated rivets, with a rivet set, and a file.

Ashcroft Auxiliary Spring Pressure Gauge.

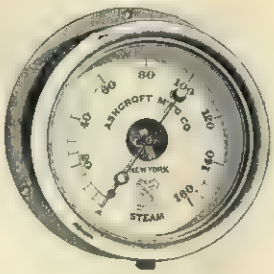
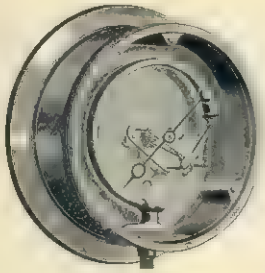


Fig. A–2968½.



Sectional.

For Locomotive, Traction, Farm Engine, Steam Fire Engine, Hoisting Engine, Marine and High Pressure Service generally.

An independent co-operating spiral spring is applied to the free end of a single Bourdon tube, which dispenses with the second Bourdon tube, and to reduce the wearing and friction of joints between the tube and recording mechanism to the least possible number—two only.

The teeth in the segment and pinion are cut on improved gear cutters, and the face of the segment is very broad, and the teeth deep, thus preventing lost motion from wear.

The spiral spring attachment posseses additional advantages over the second bent tube, for which it is substituted, as it is not in the least degree affected by the highest temperatures, and has so short a movement for its maximum duty that it is never expanded beyond a perfectly safe elastic limit.

The gauge is very quick acting, responsive to the slightest change of steam pressure in the boiler, and is not affected by the highest temperatures surrounding it.

We recommend this improved auxiliary spring pressure gauge for services as described, and where subject to constant vibration when running and where steadiness of the gauge index hand is essential.

Its adoption is very general by railroads all over the country as their standard locomotive gauge.

Springs are made of solid drawn seamless tube.

Prices, Including Cock.

BRASS CASE.		IRON CASE. JAPANNED.	
Size, **12** Inch Dial . . . . . Each,	**$80 00**	Size, **12** Inch Dial . . . . . Each,	**$55 00**
Size, **10** Inch Dial . . . . . "	**45 00**	Size, **10** Inch Dial . . . . . "	**37 00**
Size, **8½** Inch Dial . . . . . "	**34 00**	Size, **8½** Inch Dial . . . . . "	**25 00**
Size, **6¾** Inch Dial . . . . . "	**22 00**	Size, **6¾** Inch Dial . . . . . "	**18 00**
Size, **6** Inch Dial . . . . . "	**18 00**	Size, **6** Inch Dial . . . . . "	**15 00**
Size, **5½** Inch Dial . . . . . "	**14 00**	Size, **5½** Inch Dial . . . . . "	**12 00**
Size, **5** Inch Dial . . . . . "	**13 00**	Size, **5** Inch Dial . . . . . "	**11 00**
Size, **4½** Inch Dial . . . . . "	**12 00**	Size, **4½** Inch Dial . . . . . "	**10 00**

No gauge warranted unless properly connected with a syphon.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Locomotive and Steam Fire Engine Gauge.

Improved Double Bourdon Spring and Patent Elastic Packing Ring.

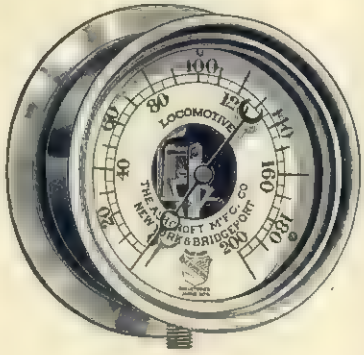
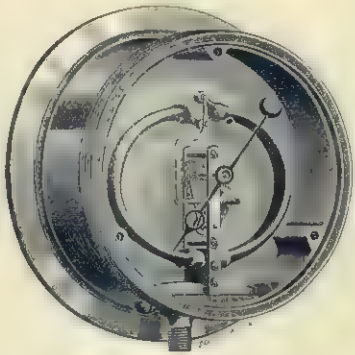


Fig. A-2660.



Sectional

This gauge is so constructed that the entire movement, movement frame and spring are removed from contact with the back of the case, thus preventing any disturbance from expansion of the case, and also prevents the liability of warping the movement when the gauge is secured to an uneven frame or support. Where the movement is attached to the back of the case all spring of the case is communicated direct to the movement. The elastic packing ring hermetically seals the case of the gauge, making it impervious to moisture from the steam of the gauge cocks, as well as dust that would injure the movement. The spring is made of a specially prepared, highly tempered, seamless drawn tube, which makes a more uniform, elastic and durable spring than is used in any other make of Bourdon gauge. The figures on the dial are large and plain. The case is heavy and substantial. All parts of the movement are absolutely interchangeable. The teeth in the segments and pinions are cut on improved gear cutters, and the face of the segment is very broad and the teeth deep, thus preventing lost motion from wear.

Caution!

Always give an air space between back of case and boiler. Three small blocks of wood are sent with every gauge for this purpose. No gauge warranted unless properly connected with siphon

Pressure Not to Exceed 300 Pounds.

Prices, Including Cock.

Brass Case.		Iron Case, Japanned.	
12 Inch Dial	$80 00	12 Inch Dial	$55 00
10 Inch Dial	45 00	10 Inch Dial	37 00
8½ Inch Dial	34 00	8½ Inch Dial	25 00
6¼ Inch Dial	22 00	6¼ Inch Dial	18 00
6 Inch Dial	18 00	6 Inch Dial	15 00
5½ Inch Dial	14 00	5½ Inch Dial	12 00
5 Inch Dial	13 00	5 Inch Dial	11 00
4½ Inch Dial	12 00	4½ Inch Dial	10 00

Deep cases, octagon rings, and nickel plating extra

Deep Case Engine Room Marine, and Locomotive Clock.

Polished Brass.

EIGHT DAY MOVEMENT.

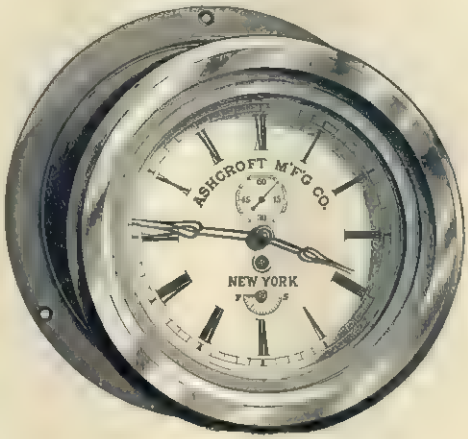


Fig. A-2074.

Movements Carefully Adjusted Before Sending Out.

These clocks have chronometer balance, divided mainspring for equalizing, dials ornamented with hand engravings.

Deep Case, Brass.

Dial, Inches,	12	10	8½	6¾
Each	$100 00	75 00	65 00	50 00

Nickel plating and octagon ring extra.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Revolution Counter.

DEEP CASE.

Fig. A-2075

With 6 or 8 Wheels.

The construction of the counter is such that either a reciprocating or continuous movement of the crank shaft will transmit a positive rotating motion to the decimal wheels. This is accomplished through the medium of the verge movement, which consists of a verge wheel rigidly attached to the first decimal wheel, a sliding plate placed transversely to such verge wheel. The reciprocating movement of the sliding plate is controlled by a cam on the crank shaft, such cam operating within a square hole in the sliding plate, the cam is so formed that it is always in engagement with the sides of such hole, and the constant change of motion of the sliding plate in its reciprocating action will be accomplished without jar or wear.

The lubricating facilities of the counter are such that the oil has free access to all the friction surfaces. Storage chambers are provided for the oil, that, when once filled, will supply the different parts as fast as wanted.

For sectional view of this counter and detail description see page 837.

Round Case, Brass.

12	Inch Dial, 8 Wheels	Each, $110 00	12	Inch Dial, 6 Wheels	Each, $100 00
10	Inch Dial, 8 Wheels	" 95 00	10	Inch Dial, 6 Wheels	" 85 00
8½	Inch Dial, 8 Wheels	" 80 00	8½	Inch Dial, 6 Wheels	" 70 00
			6¼	Inch Dial, 6 Wheels	" 60 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Frame for Sets of Instruments.

For Engine Rooms of Factories, Corporations, Mills, Water Works, Steamships, Offices.

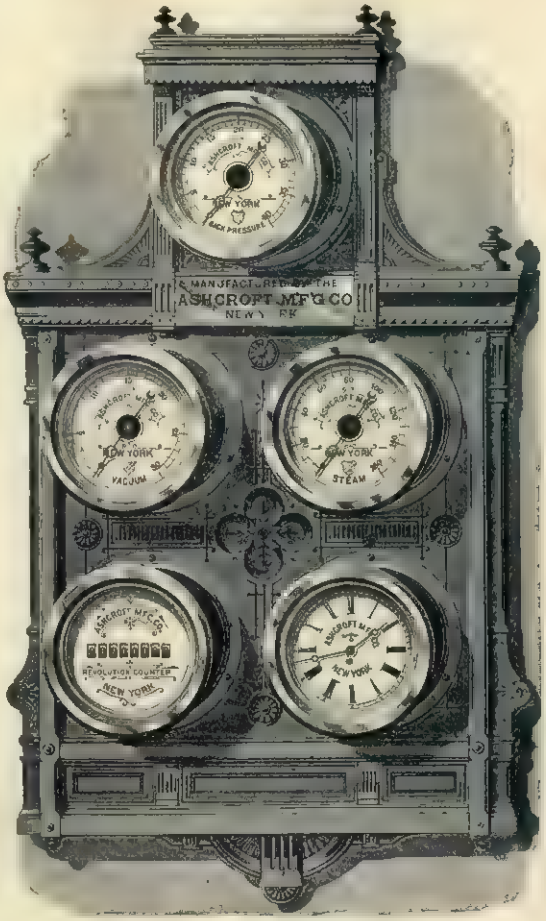


Fig. A-2964

This cut represents one of many designs of an ornamental wooden frame on which to mount instruments.
The gauges shown above having blind back connections present a neat and attractive appearance.
They cost according to size, design, and finish.
Special Metal Frames and Name Plates to order.
Orders should state whether blind back or the usual front bottom connections are wanted.
For prices of instruments, see their respective lists, on the following pages.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

The Ashcroft Bourdon Spring Pressure or Vacuum Gauge.

Solid Drawn, Seamless Tube.

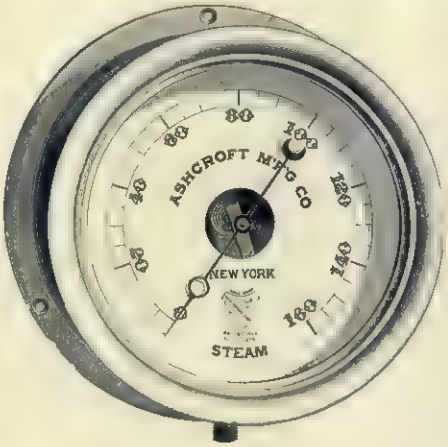
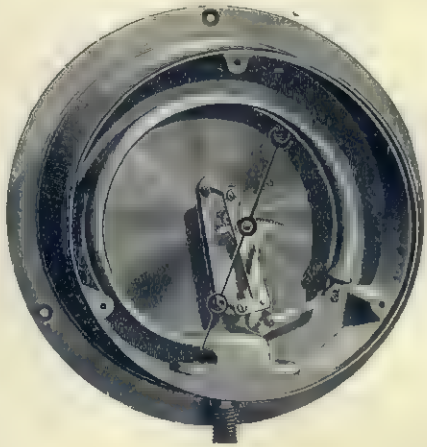


Fig. A 2965.



Sectional.

Prices Including Cock for Gauges of 300 Pounds Pressure or Less

Brass Cases.

12 Inch Dial	$75 00
10 Inch Dial	40 00
8½ Inch Dial	30 00
6¾ Inch Dial	20 00
6 Inch Dial	16 00
5½ Inch Dial	12 00
4½ Inch Dial	10 00
3½ Inch Dial	9 00
2½ Inch Dial	8 00

Iron Cases, Japanned.

12 Inch Dial	$50 00
10 Inch Dial	32 00
8½ Inch Dial	22 00
6¾ Inch Dial	16 00
6 Inch Dial	13 00
5 Inch Dial	8 00
4½ Inch Dial	8 00
3½ Inch Dial	7 00

Nickel plating, extra. No gauge warranted unless properly connected with siphon.

All gauges are graduated by open mercury column and warranted correct.

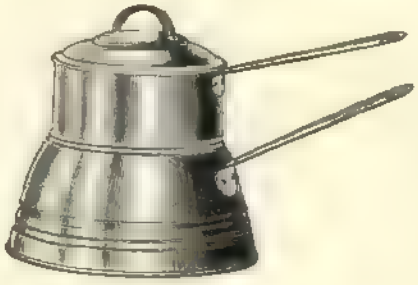
PIECED TINWARE.

MILK OR RICE BOILERS.

Pieced IX Tin.

No.	2	3	4
Quarts, inside boiler,	2	3	4
Per dozen	$10.00	12.00	14 00

ONE IN A PACKAGE.



Stamped, Retinned.

No.	01	02	03	04
Quarts, inside boiler,	1	1½	2	3
Per dozen	$16.00	18 00	22.00	25 00

ONE IN A PACKAGE

Porcelain Jar, Extra Polished Outside

No.	32	33	34	35
Pints,	2	3	4	5
Per dozen	$19.00	22.00	26.00	30.00

ONE IN A PACKAGE.

STEAMERS.

No. 7– 9¼ in.,	per doz. $6.00
No. 8–10¼ in.,	" 6 50
No. 9–11¼ in.,	" 7.50

BEVERIDGE'S AUTOMATIC COOLERS.

The cooker has 4 vessels consisting of water vesse with a copper bottom, a perforated removable bottom steamer and two solid bottom steamers with steam pipe connections

No.	0	1	3
Diameter, inches,	8	9	10
Capacity of boiler, quarts,	2	3	5
Per dozen	$24.00	33 00	42.00

SHEET GRATERS.

No.	1	2	3
Sheet,	¼	½	1
Per dozen	$0 90	1.40	2 50

LIQUOR MIXERS.

No. 2–5¾ in., per doz. $2.00

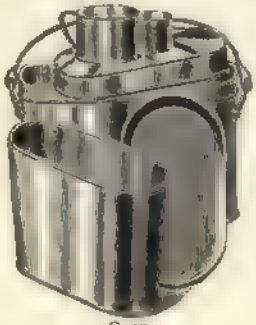
PIECED TINWARE.

REVERSIBLE TOP DINNER PAILS.

No. 101 4 quarts, - - - - - per doz. $7.00
No. 102–5 quarts, - - - - - " 8.00

THREE DOZEN IN A CASE

AURORA" MINERS' DINNER PAILS.



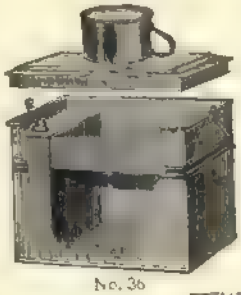
Open

Closed.

No. 74–4 quarts, length 9 in., width 5½ in., height 6 in., large tray, length 9 in., width 5½ in., depth 4½ in.; small tray, length 9 in., width 5½ in., depth 1½ in., complete with cup, - - - - - - - - - per doz. $16.50

No. 75–5 quarts, length 9 in., width 5½ in., height 7 in., furnished with trays and cup same as No. 74. - - - - - - - - per doz. $19.50

SQUARE DINNER PAILS.



No. 36

No. 48.

With Coffee Flask.

No. 36–3 quarts, 5¼×8¼ in., - - per doz. $ 9.00
No. 46–4 quarts, 6⅛×8½ in., - - " 11 00
No. 48 4 quarts, 6⅛×8½ in., two cased, " 16 50

SIX DOZEN IN A CASE.

OBLONG DINNER PAILS.

Without Coffee Flask.

No. 20–2 quarts, 7½×5 in., - - per doz. $6.50
No. 30–3 quarts, 8¾×5⅞ in., - - " 8.00

SIX DOZEN IN A CASE.

Screw Cup, with Tray, Brass Cover Catch.

No. 1–3 quarts, 5×8×6½ in., - - per doz. $ 6.85
No. 2 4 quarts, 6×8¼×7 in., - - 8 35
No. 3–6 quarts, 6¾×9½×7¾ in., - " 10.55

THREE DOZEN IN A CASE

COFFEE FLASKS.

Screw Top.

1 Pint, - - - - - - - - per doz. $1 60
1½ Pint, - - - - - - - - " 1 85
2 Pint, - - - - - - - - " 2 00

HALF DOZEN IN A PACKAGE.

Fly Traps.

Balloon.

No. 1

Harper

No. 2.

No. 1—Balloon Fly Traps, Tinned Wire, ... Per Dozen $
" 2—Harper's " " Painted " . . . . . "

One Dozen in a Box.

Fly Fans

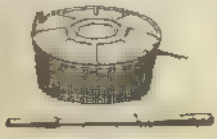
Fly Fans, Improved Keyless, ... One Each, 6 7 8 9 10 in., Each, $
Round Dish Covers, Blued Wire in Nests of 6, " " 6, 7, 8, 9, 10 in., Per Nest, "
" " " Tinned " " " 6, " " " " "

Twelve Nests in a Case

Dish Covers.

Corn Poppers

No. 2.



No. 5.

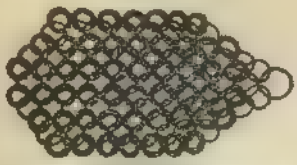
No. 7.

No. 2—1 Quart, Square Corn Poppers, Tin Lid, Screw Shank, Stained Handle, ... Per Dozen, $
" 5—1 " Round " " " " " " " " " "
" 7—2 " Square " " Wire " " " " " " " "

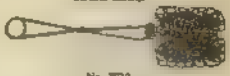
Nos. 1 and 2 Six Dozen, No. 7—Three Dozen in a Box.

Wire Pot Cleaners.

Plain



Handled



No. 3710.

No. 3706—Pot Cleaners, Tinned Wire, Plain, 4½ x 6 in., Per Dozen $
" 3709— " " " Double 6 x 9 in., " "
" 3710— " " " Tinned Wire Handle " "

One Dozen in a Package

Tea or Coffee Strainers.

No. 1510

Nos. 1511 to 1513

No. 1510—3 in. Tea or Coffee Strainers, Per Dozen,
" 1511—3½ " " " " Enameled Wood Handle " "
" 1512— " " " " " "
" 1513— " " " " " "

One Dozen in a Box

Tea or Coffee Pot Stands.

No. 10

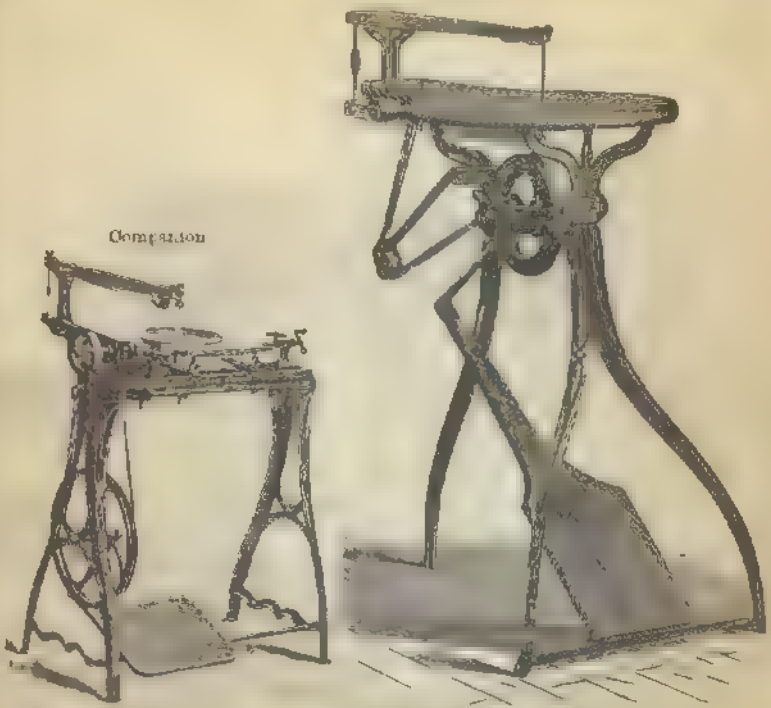
No. 35

No. 10—Tea or Coffee Pot Stands, Twisted Wire, Tinned Per Dozen, $
" 35— " " " " Bronzed Iron " "

One Dozen in a Box

Scroll Saws.

Barnes' No. 7, Improved.



No. 5 [illegible] Saw and Lathe [illegible] Jog, Three [illegible] Saw Drivers and Two [illegible] Blades, ... Each $

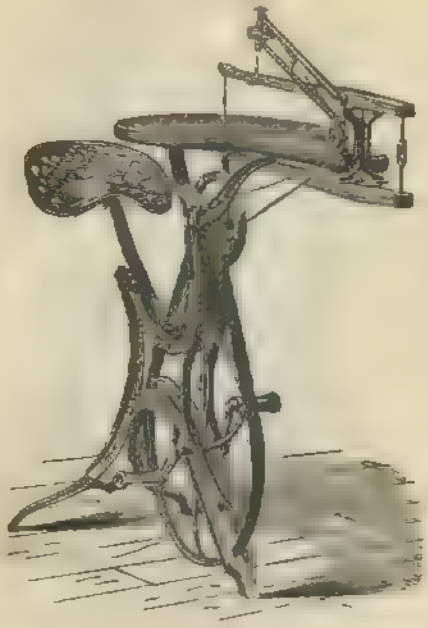
" 6—Companion Lathe and Tools without Saw Attachment, ... "

" 7—Barnes' Scroll Saw with Twelve Blades, weight 85 lbs., ... "

The No. 7 Saw is designed for practical service in workshops of [illegible] cabinet makers etc. and will be found an [illegible] addition to [illegible] Saws. [illegible] Blades [illegible] Saw [illegible] Without [illegible] Saw [illegible] Lathe [illegible] Jog [illegible]

Scroll Saws.

Barnes' Velocipede No. 2, Improved



No. 2 [illegible] with Boring Attachment, One Dozen Blades and One [illegible] Each, $

With Boring Attachment [illegible]

The [illegible] is almost the same capacity as No. 7 Saw on the preceding page, but is more desirable on account of its Velocipede Foot Power and the Boring Attachment.

Lathes.

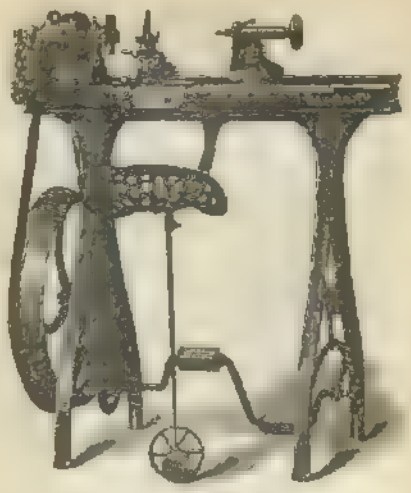
Barnes' No. 4, Improved.

No. 4.—Barnes' Lathe, including One Turned Face Plate, Two Centers and one Spur Center, Two rests, with Sockets and Plate for hand tools, Rider, Rest and Screwdriver. Weight 180 lbs. Each $

This Lathe is designed for turning both wood and iron and for boring, drilling, polishing etc. It is not an amateur tool but is a strictly practical engineer's lathe of a design and size for small work and has many important advantages over the ordinary foot lathes. It will take in work [illegible] Chucks and Face Plates have been made for it, which will improve [illegible] for the best possible [illegible] for the management of [illegible] will be steadily worked at single. The pulley is arranged for 1,000 to 2,000 revolutions per minute, [illegible] and to start and stop the lathe at pleasure. Strictly speaking it will be the operator's [illegible] power can be applied on the work than with any old style foot lathe and with greater ease. The rest can be moved easily [illegible] of the work, [illegible] although in the [illegible] is seldom necessary, [illegible] The lathe is [illegible] and steel. The rest is solid, and has [illegible] projections over which the [illegible] and [illegible] and [illegible]. The cutting screw [illegible] tool carriages is operated by [illegible] Inches, [illegible] The cross carriage [illegible] The rest [illegible] The tail stock [illegible] the tail post may [illegible] and taper [illegible] and taper holes bored to the [illegible] Its travel is three inches. The [illegible] of the tail stock [illegible] can be moved and set at any point desired [illegible] by means of a hand wheel [illegible] by the [illegible] leaving [illegible] free [illegible] The head stock spindle has taper [illegible] and can be [illegible] as much delicacy as a jeweler's lathe, that of the tail stock is moved by a screw and hand wheel. The head and tail stock spindles are made of steel and have truly fitted taper centers, and that of the tail stock is self-discharging.

Screw Cutting Lathes.

Jarno No 44.



No. 44—Barnes Screw Cutting Lathe. Complete Weight 255 lbs. . . . . Each.

This is a back gear[illegible] with [illegible] left and [illegible] weight of all [illegible] range of gearing. The [illegible] gearing a thorough [illegible] turning up gear.

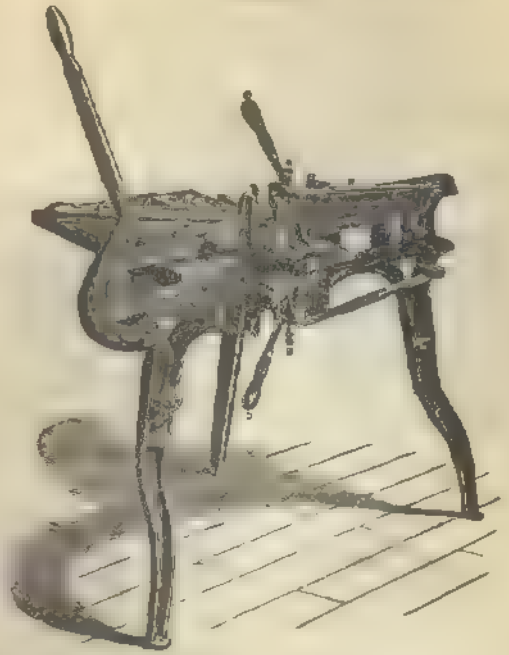
The [illegible] has [illegible] to add [illegible] many [illegible]. The head stock [illegible] for rods [illegible]. The [illegible] of [illegible] where the [illegible] the purpose.

It will cut all ordinary threads from [illegible] and miscellaneous threads up to 1¼. It swings 8 inches and takes 26 inches between centers. It swings 4½ inches over [illegible].

The [illegible] has [illegible] It has three speeds and is suitable arranged for heavy or light work as turning or polishing.

Hand Tenoning Machines.

Barnes'



No. 275 Barnes' Hand Tenoning Machine. Weight 60 lbs., ... Each, $

A—Tenon being cut. B B—Screws to set depth of shoulder. C C—Handle to raise Cutters from work. D—Lever to hold work in place. E—Lever to drive the Cutters forward and back. F F—Cutter Heads. H H—Spring to press Cutter Heads against work.

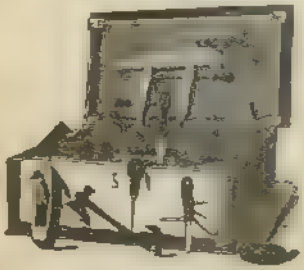
This Machine will cut Tenons of any length [illegible]. By repeating the cut any desired length can be made. It will make [illegible] and will cut shoulder [illegible] to gauge for length, thickness and shoulders of a Tenon. It will make a shoulder [illegible] on the forward part of the other, to accommodate stuff having a [illegible] edge, and will cut one shoulder deeper than the other, or both alike as desired. Both sides of the Tenon are cut [illegible] and are cut with the grain of the wood, leaving a smooth surface, similar to that of a rabbet plane. [illegible] and are of various sizes, and are governed as to speed of the work. The Machine cuts [illegible] square shoulders, and can be set to cut Tenons of various [illegible] distance between the shoulders. Every mechanic knowing the importance of a correct Tenon and who appreciates a hand machine with which as perfect Tenons can be made as with steam power machinery.

Tool Chests.

No. 1—Contains 30 Assorted Cast Steel Tools and a Patent Adjustable Plough with 12 Additional Brad Awls Chisels, etc., in a Walnut case, . . . Per Dozen, 6

No. 00—Size of Chest, 17½ inches long, 11 inches wide and 6 inches deep, Chest and Wood, Walnut Mould'g, contains 24 Assorted Tools, . . . Per Dozen, 9

No. 17—Size of Chest, 8½ inches long, 4½ inches wide and 3½ inches deep, Chest and Wood, Walnut Moulding, contains 20 Assorted Tools, . . . Per Dozen, 3



No. 000—Size of Chest, 13½ inches long, 8 inches wide and 5½ inches deep, Chest and Wood, Walnut Moulding, contains 36 Assorted Tools, . . . Per Dozen, 6

No. 00—Size of Chest, 13½ inches long, 8 inches wide and 5½ inches deep, Chest and Wood, Walnut Moulding, contains 36 Assorted Tools, . . . Per Dozen, 12

The Winchester Repeating Shot Gun, Model 1893.

12 Gauge Only.

Fig. A–3504.

Rolled Steel Barrel. Weight about 7¼ Pounds . . . . . Price, **$25 00**

Fig. A–3505.

Good (3 Blade) Damascus Barrel, Pistol Grip Stock of Plain Walnut, Not Checked . . . . . Price, **$40 00**
Fine (4 Blade) Damascus Barrel, Pistol Grip Stock and Forearm, Fancy Walnut, Checked . . . . . " **60 00**

The standard length of barrel will be 30 or 32 inches, as may be desired; but, unless otherwise ordered, guns with 30 inch barrels will in all cases be sent.

The Winchester Repeating Shot Gun.

Lever Action. 10 and 12 Gauge.

Fig. A–3506.

Winchester Repeating Shot Gun, Lever Action, Rolled Steel Barrel, with Plain Pistol Grip Stock, 30 or 32 Inch Barrel, 10 or 12 Gauge . . . . . Price, **$25 00**

Fig. A–3507.

10 and 12 Gauge.

Good (3 Blade) Damascus Barrel, Plain Pistol Grip Stock, not Checked . . . . . Price, **$40 00**
Fine (4 Blade) Damascus Barrel, Fancy Checked Pistol Grip Stock and Forearm . . . . . " **60 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Star Arms Company, Belgium.

Fig. A-3501.

No. 503. Top Snap, Imitation Twist Barrels, Back Action, Rebounding Locks, Extension Rib Capped Pistol Grip, Rubber Butt, 10 and 12 Gauge, 6½ to 9 Lbs. . . . . Price, **$16 00**

Fig. A-3502

No. 514. Top Snap, Imitation Twist Barrels, Bar Rebounding Locks, Matted Extension Rib, Capped Pistol Grip, Rubber Butt, 10 and 12 Gauge, 6½ to 9 Lbs. . . . . Price, **$18 00**

Fig. A 3503

No 774. Top Snap, Imitation Damascus Barrels, Bar Rebounding Locks, Locks and Breech Nicely Engraved, Capped Pistol Grip, Deely & Edge Fore-End, Greener Treble Wedge Fast Bolt, 10 and 12 Gauge, 6½ to 9 Lbs Price, **$20 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, and 24 Main Street, San Francisco, Cal.

BLACK ENAMELED IRON CLOCKS.

BRONZE TRIMMINGS

DOVER.

Eight-Day, Gong Strike. Height, 10¼ inches; Length, 9½ inches.

American Dial	$ 9 50
French Dial	11 50
French Dial, Visible Escapement	16 50

GLASGOW.

Eight-Day, Gong Strike. Height, 10¼ inches; Length, 13½ inches.

American Dial	$13 50
French Dial	15 00
French Dial, Visible Escapement	16 00

BRIGHTON.

Eight-Day, Gong Strike. Height, 12¼ inches; Length, 14 inches.

American Dial	$18 50
French Dial	20 50
French Dial, Visible Escapement	21 50

BRISTOL EXTRA.

Eight-Day, Gong Strike. Height, 12½ inches; Length, 14 inches.

American Dial	$14 75
French Dial	16 75
French Dial, Visible Escapement	17 75

NEW BRONZE CLOCK ORNAMENTS.

No. 1148. CUPID.
Height, 9½ inches. Each, $7 75

No. 1150. CLEOPATRA.
Height, 8¼ inches. Each, $6 25

No. 1129. MOZART.
Height, 9 inches. Each, $5 50

No. 1189. CLIO.
Height, 7 inches. Each, $3 00

No. 1114. MARE AND COLT.
Height, 8½ inches. Each, $4 50

No. 1182. DAPHNE.
Height, 6½ inches. Each, $4 00

No. 1025. SPHINX.
Height, 5½ inches Each, $2 50

No. 1008. HARPIST.
Height, 7¼ inches. Each, $3 50

No. 1145. KING OF BEASTS.
Height, 5¼ inches Each, $3 20

BLACK ENAMELED IRON CLOCKS.

BRONZE AND SILVER TRIMMINGS.

BELGIUM.

BELGIUM.

Eight-Day, Gong Strike; Height, 11¼ inches; Length, 17¼ inches.

French Dial, Bronze.....$21 00
French Dial, Visible Escapement, Bronze. 23 00
French Dial, Silver.....22 05
French Dial, Visible Escapement, Silver 24 15

NUBIA.

NUBIA.

Eight-Day, Gong Strike; Height, 11 inches; Length, 17 inches.

French Dial, Bronze.....$20 50
French Dial, Visible Escapement, Bronze, ...22 50
French Dial, Silver, ...21 50
French Dial, Visible Escapement, Silver, ...23 65

SICILY.

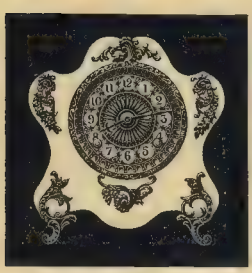
SICILY.

Eight-Day, Gong Strike; Height, 11 inches; Length, 17 inches.

French Dial $20 00
French Dial, Visible Escapement 21 00

WHITE ENAMELED IRON CLOCKS.

GOLD PLATED TRIMMINGS.



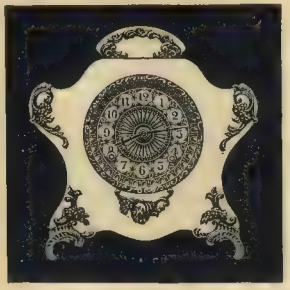
SAVOY.

Height, 9¾ inches, Length, 9 inches. Eight-Day, Gong Strike.

American Dial	$12 25
French Dial	14 25
French Dial, Visible Escapement	15 25

BLACK AND GOLD.

American Dial	$11 50
French Dial	13 50
French Dial, Visible Escapement	14 50



LISLE.

Height, 11 inches; Length, 9½ inches. Eight-Day, Gong Strike.

American Dial	$13 75
French Dial	15 75
French Dial, Visible Escapement	16 75

BLACK AND GOLD.

American Dial	$13 00
French Dial	15 00
French Dial, Visible Escapement	16 00

ROUEN.

Height, 13 inches; Length, 9 inches. Eight-Day, Gong Strike.

American Dial	$15 25
French Dial	17 25
French Dial, Visible Escapement	18 25

BLACK AND GOLD.

American Dial	$14 50
French Dial	16 50
French Dial, Visible Escapement	17 50

ORLEANS.

Height, 12 inches; Length, 8½ inches. Eight-day, Gong Strike.

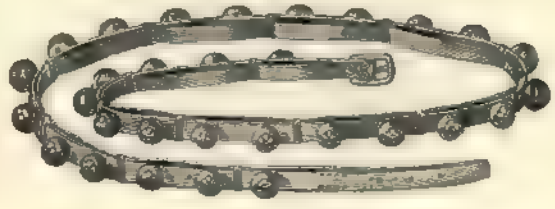
American Dial	$14 75
French Dial	16 75
French Dial, Visible Escapement	17 75

BLACK AND GOLD.

American Dial	$14 00
French Dial	16 00
French Dial, Visible Escapement	17 00

SLEIGH BELLS.

BODY STRAP.



Tinned Polar Bells, Riveted on Black Leather Strap.

No.	30	36	37	38	70	71
Size of bells, inches	1⅛	1⅛	1⅛	1⅛	1¼	1¼
Number of bells,	20	24	30	36	24	30
Per strap	$1 50	1 75	2 05	2 35	2 35	2.75

Oroide Metal Polar Bells.

No. 42 24 1⅛ in. bells, riveted on black leather strap, per strap $2.10
No. 43–30 1⅛ in. bells, riveted on black leather strap, " 2 35
No. 44–36 1⅛ in. bells, riveted on black leather strap, " 2.70

X Plated Polar Bells.

No. 47 30 1⅛ in bells, riveted on black leather strap buckles and billet stitched on, per strap $4 00
No. 48 36 1⅛ in bells, riveted on black leather strap, buckles and billet stitched on, " 4 50

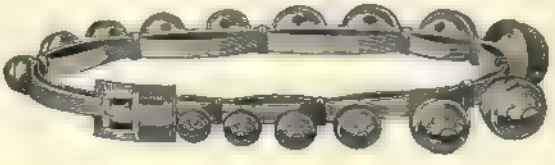
Tinned Bells.

No. 0070 23 bells from 1⅛ to 2½ in , wired on russet leather strap, lining strap fastened with loops, per strap $4 00

X Plated Polar Bells.

No. 85 42 1¼ in bells, riveted on russet leather strap, black enameled leather bound, buckles and billets stitched, per strap $5.00

NECK STRAP.



Tinned Bells, Wired on Russet Leather Strap, Lining Strap Fastened with Loops.

No.	200	201	211	212	232
Size of bells, inches	1 to 1⅜	1 to 1⅜	1⅛ to 1¼	1⅛ to 1⅝	1¼ to 2
Number of bells,	9	11	11	13	13
Per strap	$0.84	1.00	1.10	1.47	2.00

X Plated Polar Bells, Riveted on Russet Leather Strap.

No.	368	371	372	373	375	376	377
Size of bells, inches	1	1⅛	1⅛	1⅛	1¼	1¼	1¼
Number of bells,	18	12	18	24	12	18	24
Per strap	$0.75	.70	.80	1 10	1 25	1.60	1 80

Oroide Metal Polar Bells, Riveted on Russet Leather Strap.

No.	408	412	413	416	417
Size of bells, inches	1	1⅛	1⅛	1¼	1¼
Number of bells,	18	18	24	18	24
Per strap	$1.20	1.40	1 70	2 35	2 50

Alford Hand Vise.

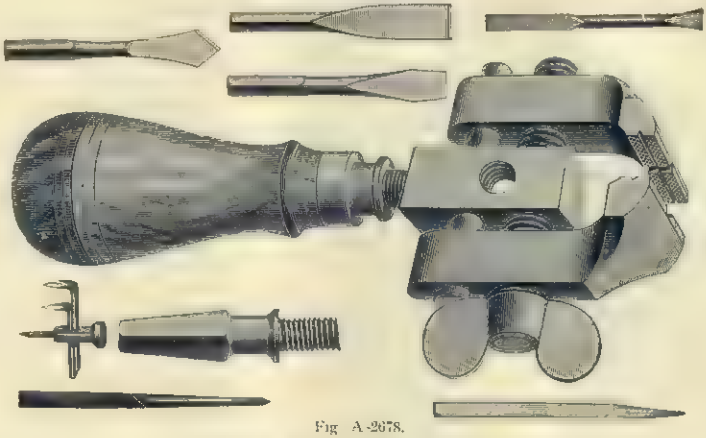


Fig A-2678.

Jaws 1¼ Inch, Opens 1⅛ Inch, Rosewood Handle.

Price with All Tools as Above . . . . . Per dozen, **$21 00**

One-half dozen in a box.

Bonney's Patent Vises.

Fig A-2679

No. 1.	Size 1½ Inches, Weight 1¾ Pounds	Price each,	$0 31
No. 1½.	Size 1¾ Inches, Weight 1½ Pounds	"	42
No. 2.	Size 2 Inches, Weight 2 Pounds	"	54
No. 2½.	Steel Jaws, Size 2 Inches, Weight 2½ Pounds	"	81
No. 3.	Steel Jaws and Swivel Jaw, Size 2¼ Inches, Weight 2¾ Pounds	"	1 00
No. 3½.	Size 2½ Inches, Weight 2¾ Pounds	"	71
No. 4	Size 2¾ Inches, Weight 5 Pounds	"	1 37
No 5.	Swivel Jaw, Size 2¾ Inches, Weight 5 Pounds	"	1 63
No. 6.	Steel Jaws, Size 2¾ Inches, Weight 5 Pounds	"	1 63
No. 7.	Steel Jaws and Swivel Jaw, Size 2¾ Inches, Weight 5 Pounds	"	1 87
No. 8.	Steel Jaws, Size 2¾ Inches, Weight 5 Pounds	"	1 63
No. 9.	Steel Jaws and Swivel Jaw, Size 2¾ Inches, Weight 5 Pounds	"	1 87
Sample Stand, Length 28 Inches		"	1 21
per Set of Samples, as Above			$15 00

Above packed one set with stand in case

Also sold separately.

Vises.

HAND.

Fig. A-2673. No. 142y.

TELEGRAPH.

Fig. A-2674. No. 146.

No. 142y. Hand Vise.

	Length, Inches, 4½	5	6
Per dozen	$10 00	11 00	12 00

One-half dozen in a box.

No. 146. Telegraph Vise.

5½ Inch . . . . . Per dozen, **$12 00**

One-half dozen in a box.

Handled Hand Vise.

Fig. A-2675. No. 144.

	Length, Inches, 3½	4	4½
Per dozen	$10 00	10 00	10 50

Length as Given Does Not Include Handle.

One-half dozen in a box.

"Lowell" Improved Hand Vise.

Fig. A-2676.

It is of metal throughout, the jaws being of forged steel, and the handle of case-hardened malleable iron. For holding wire there is a hole through the handle and screw

6 Inch Long, Nickel Plated . . . . . Each, **$2 00**

One-half dozen in a box.

"Lowell" Pin Vise.

Fig. A-2677

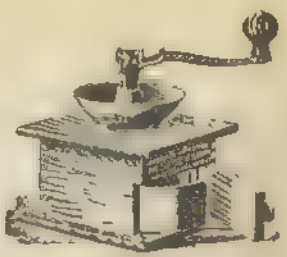
5 Inch Long, Hollow Handle, Nickel Plated . . . . . Each, **$1 50**

One-half dozen in a box

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Coffee Mills.

Nos. 30 to 170.

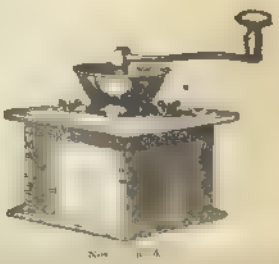


No. 2 0.

Kp. 150— Side Mills, Japanned, Wood Back, ... Per Dozen 9
" 160— " " " " " "
" 170 " " " " "
" 1970 " Box " Iron Hopper . . . . . "

Half Dozen in a Box.

Nos. 1004 and 008.



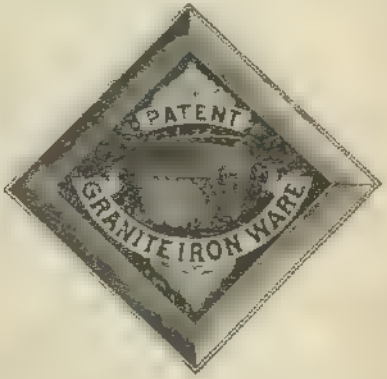
Nos. [illegible]

Kp. 1004— Box Mills, Japanned Iron Hopper, ... Per Dozen, 4
" 1008 " " " "
" 25 Parzee a Grinder " Malle, Japanned on Hopper . . "
" 35 " " " Ontario . . "

Half Dozen in a Box.

HOUSE

FURNISHING GOODS



AND

TINNERS' TRIMMINGS.

Bristol's Recording Gauges.

For Pressure, Vacuum, Temperature and Electricity.

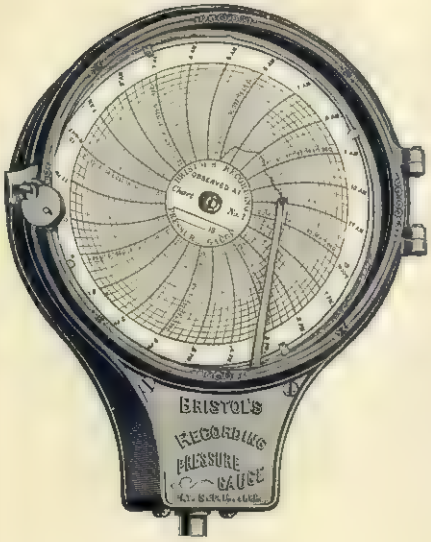


Fig. A-2967.

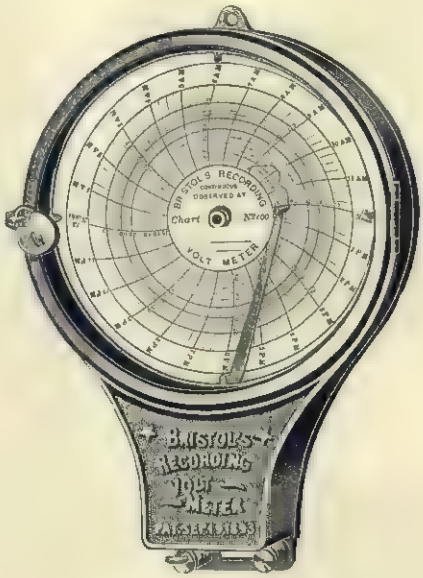


Fig. A-2968.

Recording Pressure Gauges, for Gas, Air, Steam and Water, price, with Ink and 100 Charts	Each,	**$50 00**
Recording Vacuum Gauges, price with Ink and 100 Charts	"	**50 00**
Recording Combination Vacuum and Pressure Gauges, price with Ink and 100 Charts	"	**50 00**

Recording Voltmeters, for Direct Current, Price on Application.

Recording Voltmeters, for Alternating Current, Price on Application.

Recording Ampere Meters, for Direct Current, Price on Application.

Recording Ampere Meters, for Alternating Current, Price on Application.

Recording Watt Meters, for Direct Current, Price on Application

Recording Thermometers, Price on Application.

For full particulars write us for special circular.

Combined Pressure and Vacuum Gauge.

Springs of Solid Drawn, Seamless Tube.

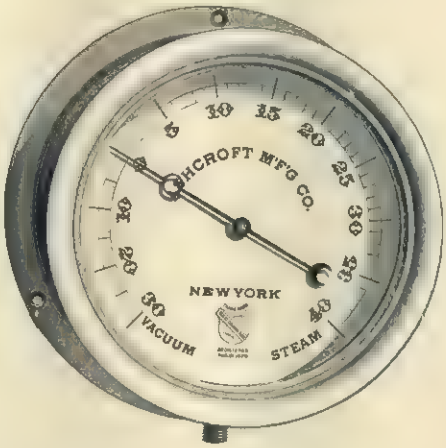


Fig. A–2966.

A siphon must be used in connecting this gauge.

The adoption of compound engines has created a demand for a gauge showing both pressure and vacuum on the same dial. These gauges are graduated from two mercury columns, showing pressure and vacuum and are warranted correct.

Pressure Range from 30 Inches to 60 Pounds of Pressure.

Prices Including Cock.

Brass Case.		Iron Case, Japanned.	
12 Inch Dial	$80 00	12 Inch Dial	$60 00
10 Inch Dial	50 00	10 Inch Dial	40 00
8½ Inch Dial	40 00	8½ Inch Dial	30 00
6¾ Inch Dial	25 00	6¾ Inch Dial	20 00
6 Inch Dial	20 00	6 Inch Dial	16 00
5½ Inch Dial	16 00	5½ Inch Dial	14 00
4½ Inch Dial	14 00	4½ Inch Dial	12 00
3½ Inch Dial	12 00	3½ Inch Dial	10 00

Nickel Plating Extra.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Plumb Bobs.

No. 2S.

No. 30.

No 60.

No. 1

No. 60—Iron, Japanned, Adjusted Top, Weight 1 lb. 7 ounces, Per Dozen $
" 6— " " " " " 2 lb. 12 " "
" 30— " " " " " 5 lb. " "
" 50—Brass, Steel Point, Screw Top, Weight 6 ounces, "

Nos. 60, 6 and 30 Sold Dozen, No. 30, One Dozen in a Box

Nos. 25 to 60.

Nos. 1, 2 and 3.

Nos. 10 to 25.

No. 1—Bronze Metal, Steel Point with Line, Weight 6 ounces, Per Dozen, $
" 2— " " " " " 12 " "
" 5— " Steel Point with Line, Weight 12 " "
" 10—Common Sense Brass, Steel Point, Diameter 1¼ in., Weight 1 lb "
" 12— " " " " " 2½ " " 2 lb. 4 oz. "
" 14— " " " " " 3½ " " 3 lb. 4 oz. "
" 16— " " " " " 3¾ " " 4 lb. 4 oz. "
" 25—Mercury, Steel Nickel Plated, Diameter 1 in., Length 6 in., Weight 3½ ounces, "
" 30— " " " " 4 in., " 4½ in., " 6 " "
" 35— " " " " 4½ in., " 5 in., " 12 " "
" 40 " " " " 5 in., " 5½ in., " 16 " "

The Mercury Plumb Bobs are made of Steel Rod bored out and filled with Mercury. They are unusually heavy for their size, and are the most correct gravity as now. The points are hardened, and the bodies and points are nickel plated, which gives them a handsome appearance. They are furnished with a braided silk line. The shape and comparatively small diameter renders them more convenient than the ordinary Plumb Bobs.

One Turn per Dozen in a Box

Marking and Mortise Gauges.

No. 9

No. 64

No. 0 Marking, Beechwood Beaded Thumb Screw, Marked, Steel Point, Per Dozen $

" 62 Marking, Beechwood Beaded Screw Bar, Marked, Adjusting Steel Point, "

" 64 Marking, Beechwood, Polished Inlaid Head, Boxwood Thumb Screw, Oval Bar, Marked, Adjusting Steel Point, "

" 65 Marking, Boxwood, Polished Plated Head, Brass Thumb Screw and Shoe, Oval Bar Marked, Adjusting Steel Point, "

Nos. 0 and 62, One Dozen. Nos. 64 and 65, Half Dozen in a Box.

No. 72

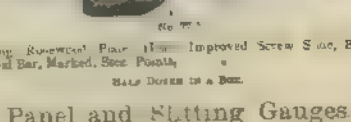
No. 73

No. 72—Marking and Mortise, Beechwood, Polished, Boxwood Thumb Screw, Oval Bars, Marked, Steel Points, Per Dozen, $

" 73—Mortise, Boxwood, Polished, Plated Head, Brass Shoe, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points, "

" 76—Mortise, Boxwood, Polished, Plated Head, Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points, "

Half Dozen in a Box.



No. 77

No. 77—Mortise and Marking, Rosewood, Plain Head, Improved Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points, Per Dozen $

Half Dozen in a Box.

Panel and Slitting Gauges.

Boxwood

No. 127

No. 124—Panel, Beechwood, . . . Per Dozen, $

" 126—Slitting, with Handle and Iron Screw, "

" 127—" " " " Roller, "

Quarter Dozen in a Package.

Revolvers.

Buckeye.

Rim Fire, Round Barrel.

No. 022—22 Caliber Short, 7 Shot, Wood Handle, Nickel Plated, . . . Each, $

Buckeye.

Rim Fire, Fluted Cylinder, Round Barrel.

No. 22. 22 Caliber, Long 7 Shot, Rubber Stag Handle, Nickel Plated, . . Each, $

ONE IN A BOX

Revolvers.

Buckeye.

Rim Fire, Octagon Barrel.

No. 32—32 Caliber, Long, 5 Shot Rubber Saw Handle, Nickel Plated, ... Each, 1

American Bull Dog

Central Fire, Double Action, Fluted Cylinder, Octagon Barrel.

No. 132—32 Caliber, S. & W. Cartridge, 5 Shot, Rubber Handle, Nickel Plated, . . Each, 1
" 139—32 " " " " 6 " " " " " " " " "
" 138—38 " " " " 5 " " " " " " " " "

One in a Box.

Buffalo Scales.

Confectioners'

No. 800—Confectioners' Scales, Brass Nickel Plated, Marbleized Base. Weighs from ½ lb. to 3 lbs. Each, $

Druggists'

Counter

No. 40—Druggists' Scales, Scamless Tin Scoop, Weighs from ½ oz. to 8 lbs., Each, $
" 41—" " " Brass " " " ½ oz. to 8 lbs., "
" 45—Counter " " Tin " " " ½ oz. to 36 lbs., "
" 46—" " " Brass " " " ½ oz. to 36 lbs., "

Single Beam Grocers'

Double Beam Grocers'

No. 50, Brass, Tin Scoop, Weighs from ½ oz. to 8 lbs., Each,
" 51 " " " " "
" 55—" Double " " " " "
" 56—" " " " " "

Cost of a Box

Buffalo Scales.

Single Beam Improved Union.

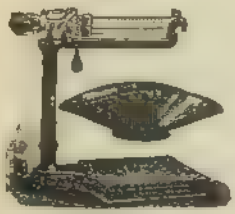
Nos. 80 and 81.

Double Beam Improved Union.

Nos. 85 and 86.

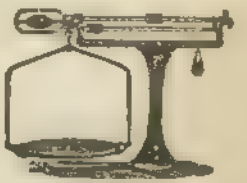
No.								Each, $
" 60—	Improved Union, Single Beam, Seamless		Tin	Scoop	Weighs			
" 61—	"	"	"	"	Brass	"		"
" 65—	"	"	Double	"	Tin	"		"
" 66—	"	"	"	"	Brass	"		"

Boston Platform.



Nos. 70 and 71.

Boston Market.



Nos. 75 and 76.

No.			Each, $
" 70—	Boston Platform, Nickel Plated Double Beam and Poises, Seamless Tin Scoop, Platform 10x13½ in., Weighs from 1 oz. to 250 lbs.		
" 71	Boston Platform, Nickel Plated Double Beam and Poises, Seamless Brass Scoop, Platform 10x13½ in., Weighs from 1 oz. to 250 lbs.		"
" 75—	Boston Market, Nickel Plated Double Beam, Poises and Bowl, Marble Slab 11 Diameter, Weighs 1 oz. to 25 lbs.		"
" 76—	Boston Market, Nickel Plated Double Beam, Poises and Bowl, Marble Slab 11 Diameter, Weighs 1 oz. to 60 lbs.		"

One in a Box

BUZZACOTT'S MILITARY COOKING OUTFITS.

ADOPTED BY THE UNITED STATES ARMY.

Constructed of heavy sheet and bar steel with a view of withstanding the rough and constant usage incident to field and camp service.

In shipping or transporting the outfit, it forms its own packing case, and when this is done the skeleton stove frame and iron grate about the whole case and binds it together protects the contents and permits of any heavy object being packed on top of it without danger of crushing anything inside.

For boiling, stewing, broiling, roasting, baking, and parching coffee. All necessary cook's tools are included.

The extension stand can be shifted to any desired position to the side or any part of the main stand as circumstances require, from time to time.

Inside the oven seen in rear is a pan larger in size than the one on top. It has a roasting capacity of 150 pounds of meat.

What the Military Outfit Comprises.

These articles are of special make, hand made, and of selected material permitting of the rough and constant usage incident to field service.

1 skeleton stove (grate stand), made of bar steel.
1 extension stand, made of bar steel.
2 parts of oven, base and top, made of sheet steel.
1 large cover for oven (used when boiling water, etc.), made of galvanized steel.
2 large baking and roasting spiders. (Rests or supports made of bar steel.)
2 small frying spiders. (Rests or supports made of bar steel.)
2 lifting hooks or irons, made of round iron.
2 large combination frying, roasting or baking pans, with cover, made of sheet steel.
3 large boilers (a set), with covers to fit, heavy tin, double handles, copper bottoms.
4 covers, as mentioned.

20

Utensils Packed with the Outfit.

The following utensils are usually packed with each outfit, but can be ordered separately if desired. They are all made for the outfit; are of the best quality, and of such size and form as to pack readily within the outfit.

1 excellent butcher cleaver, 8 in. blade.
1 excellent butcher knife, 8 in. blade.
1 excellent butcher steel, 10 in. blade.
1 10-quart (seamless) dish or mixing pan.
1 large sieve or strainer.
1 large 3-quart dipper, handle 12 in. long.
1 medium cup dipper or ladle, handle 12 in. long.
1 large cook's spoon, solid handle, 12 in. long.
1 large [illegible] flesh fork, 3 prong, handle 12 in. long.
3 large dredges (salt, pepper, flour).
1 large pierced ladle or skimmer.
1 graduated scoop or measure, ½ pint to 2 quarts.
1 large seamless cullender.
1 large turnover, solid handle, 12 in. long.

16

Regulation Size, Capacity 60 to 75 Men.

Complete, comprising 20 pieces and 16 cooks' tools as noted above, size packed 36 × 26 × 15 in., weight about 160 lbs., - - - - - - - - - - - - - - each $35.00

Without Cooks' Tools, - - - - - - - - - - - - - - " 30.00

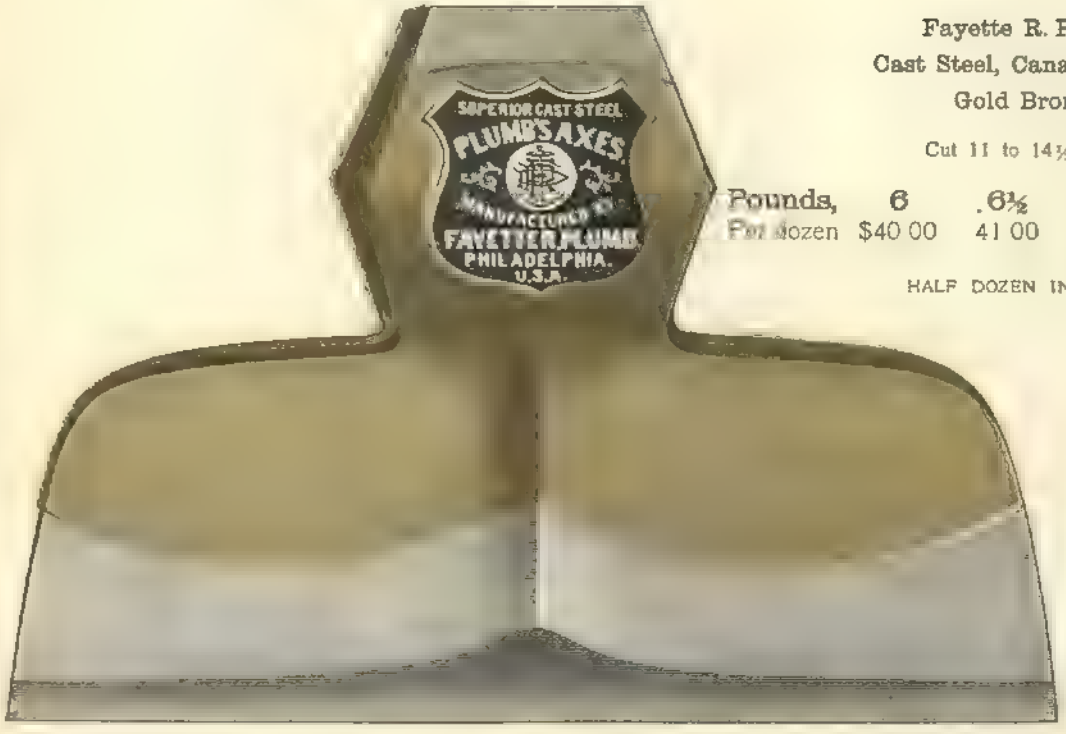
BROAD AXES.

Fayette R. Plumb's,
Cast Steel, Western Pattern,
Gold Bronzed.

Cut 9 to 12 inches

Pounds,	6	6½	7	8	9
Per dozen	$32.00	33.00	34.00	36.00	38.00

HALF DOZEN IN A CASE



Fayette R. Plumb's,
Cast Steel, Canada Pattern,
Gold Bronzed.

Cut 11 to 14½ inches.

Pounds,	6	6½	7	8	9
Per dozen	$40.00	41.00	42.00	44.00	46.00

HALF DOZEN IN A CASE.

CAMP AND HUNTERS' AXES OR HATCHETS.

No. 22–H., S., B. & Co's, "Our Very Best," camp hatchets, solid cast steel, full polished, etched, weight with handle 1 lb. 4 oz., width of bit 3 in., 13⅛ in. handle, - - - - - - - per dozen **$14.00**

No. 23–H., S., B. & Co's, hunters' axes, extra cast steel, painted black, weight 1 lb. 8 oz., width of bit 3⅛ in., 14 in. handle, - - - - - - - - - - - - - - per dozen 10.00

HALF DOZEN IN A BOX

FIREMEN'S HANDLED AXES.

H., S., B. & Co's, refined English cast steel, gold bronzed, 4½ in. cut, - - - - per dozen $32.00

ONE DOZEN IN A CASE

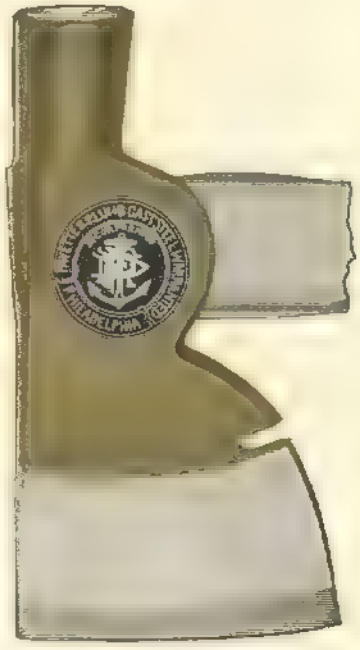
FAYETTE R. PLUMB'S CAST STEEL HATCHETS.

GOLD BRONZED.

Shingling.

No.	1	2	3
Bit, inches,	3½	4	4½
Per dozen	$8.00	8.50	9.00

HALF DOZEN IN A BOX.



Half.

No.	1	2
Bit, inches,	3¼	3⅝
Per dozen	$8 50	9.00

HALF DOZEN IN A BOX.

Lath.

No.	0	1	2	3
Bit, inches	2	2¼	2½	2¾
Per dozen	$7.50	8.00	8.50	9.00

HALF DOZEN IN A BOX.

Claw.

No.	1	2	3
Bit, inches,	3½	4	4½
Per dozen	$9.00	9.50	10.00

HALF DOZEN IN A BOX.

Broad.

No.	2	3	4	5	6
Bit, inches,	4½	5	5½	6	6½
Sgle. bev., per doz.	$11.50	13.00	14.50	16.50	18.00
Dble. bev., "		13.00	14.50	16.50	

HALF DOZEN IN A BOX.

AJAX SOLID STEEL HATCHETS.

Broad.

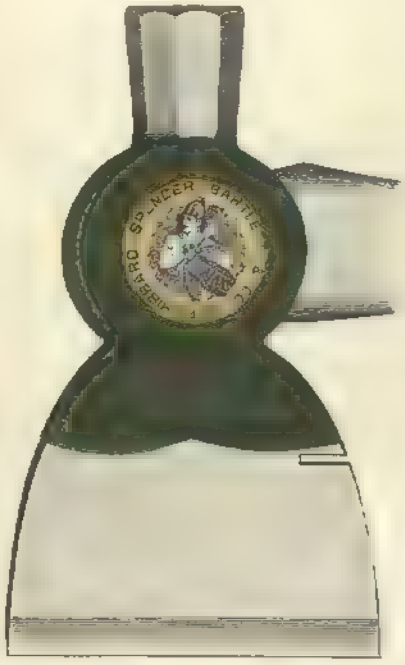
No.	2	3	4
Bit, inches,	4½	5	5½
Per dozen	$13 00	15.00	16.50

HALF DOZEN IN A BOX.

Claw.

No.	1	2	3
Bit, inches,	3½	3⅞	4¼
Per dozen	$9.75	10 25	10 75

HALF DOZEN IN A BOX



Shingling.

No.	1	2	3
Bit, inches	3½	3⅞	4¼
Per dozen	$8.75	9.25	9.75

Lath.

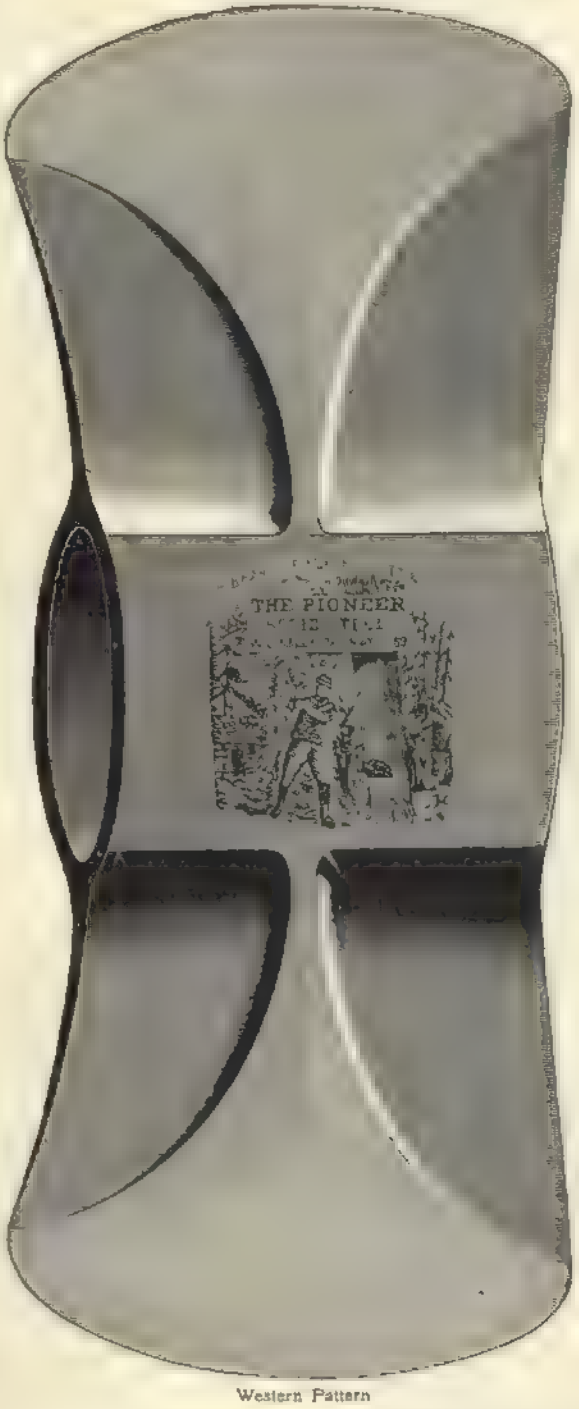
No.	1	2
Bit, inches,	2¼	2½
Per dozen	$8.75	9 25

Half.

No.	1	2
Bit, inches,	3¼	3½
Per dozen	$9.25	9 75

HALF DOZEN IN A BOX.

DOUBLE BITTED AXES.



Western Pattern

Michigan Pattern

"H., S., B. & Co's Pioneer," All Steel, Polished.

Western pattern, weights, assorted, 3½ to 4½ lbs., 3¾ to 4¾ lbs., 4 to 5 lbs and 4½ to 5½ lbs., per dozen $16.50

"Robert Mann's," Gold Bronzed.

Michigan pattern, weights, assorted, 3½ to 4½ lbs., 4 to 5 lbs and 4½ to 5½ lbs., - - per dozen $16 50

"Lippincott's," Gold Bronzed.

Western pattern, weights, assorted, 3½ to 4½ lbs., 4 to 5 lbs. and 4½ to 5½ lbs., - - per dozen $17.00

ONE DOZEN IN A CASE.

DOUBLE BITTED AXES.

H., S., B. & Co's, All Steel, Polished.

H., S., B. & Co's, Gold Bronzed.

"H., S., B. & Co's All Steel," Polished.

Special Wisconsin pattern, weights, assorted, 3½ to 4½ lbs., 4 to 5 lbs and 4½ to 5½ lbs., per dozen $17.50

ONE DOZEN IN A CASE.

"H., S., B. & Co's Gold Bronzed."

Special Western pattern, weights, assorted, 3½ to 4½ lbs., 4 to 5 lbs. and 4½ to 5½ lbs., per dozen $15.50

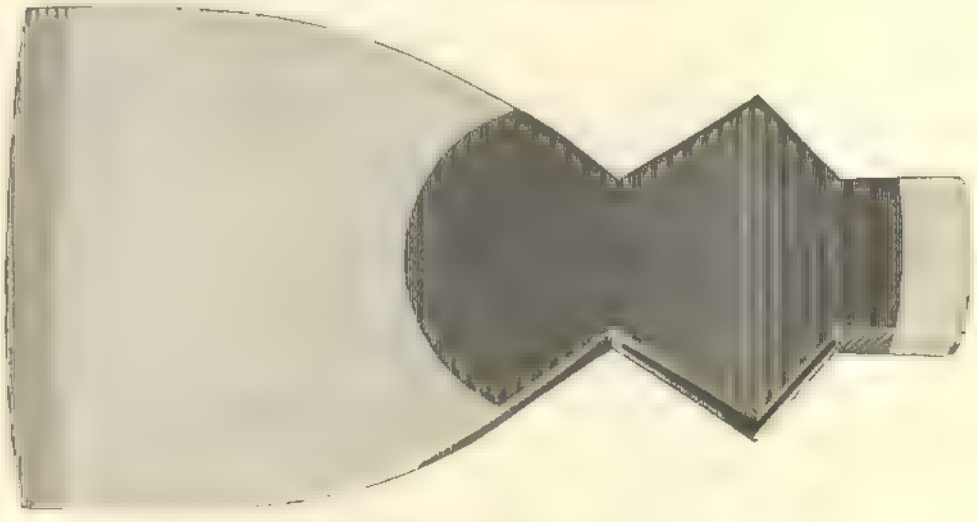
ONE DOZEN IN A CASE.

BROAD AXES.

Red Warrior, Pennsylvania pattern, weight 6½ to 7 lbs, ... per dozen $32 00

HALF DOZEN IN A CASE.

SHIP AXES.



Blood's, gold bronzed width of bit 6 ½ to 7¼ in, weight 5 to 6 lbs., ... per dozen $30 00

ONE DOZEN IN A CASE.

ADZES.

Carpenters' Half Head. Railroad. Ship.

Carpenters'.

Ajax, half head, gold bronzed, width of bit, 4 to 4½ in , weight, 4 to 4½ lbs., - - per dozen $21.00
Blood's, half head, gold bronzed, width of bit, 4 to 4½ in., weight, 3¾ lbs., - - - " 24.00

ONE DOZEN IN A CASE

Railroad.

Ajax, gold bronzed, width of bit, 5 to 5½ in., weight, 4 to 4½ lbs., - - - - per dozen $23.00
Ajax, gold bronzed, width of bit, 6 in., weight, 4½ lbs , - - - - - - " 24.00
Blood's, gold bronzed, width of bit, 5 in., weight, 4 to 4½ lbs., - - - - - - ' 26 00
Blood's, gold bronzed, width of bit, 6 in , weight, 5 lbs., - - - - - - " 27 00

ONE DOZEN IN A CASE

Ship.

Ajax, gold bronzed, width of bit, 4 to 4¼ in., weight, 2½ lbs., - - - - per dozen $23.00
Blood's, gold bronzed. width of bit, 4¼ to 4½ in., weight, 3 lbs., - - - - - " 25.00

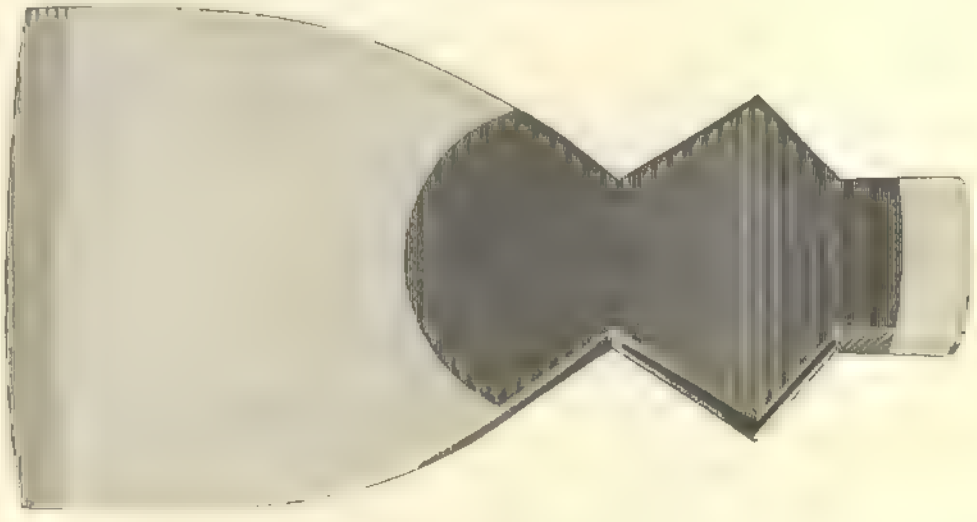
HALF DOZEN IN A CASE.

BROAD AXES.

Red Warrior, Pennsylvania pattern, weight 6½ to 7 lbs, ... per dozen $32 00

HALF DOZEN IN A CASE.

SHIP AXES.



Blood's, gold bronzed width of bit 6 ½ to 7¼ in, weight 5 to 6 lbs., ... per dozen $30 00

ONE DOZEN IN A CASE.

ADZES.

Carpenters' Half Head. Railroad. Ship.

Carpenters'.

Ajax, half head, gold bronzed, width of bit, 4 to 4½ in , weight, 4 to 4½ lbs., - - per dozen $21.00
Blood's, half head, gold bronzed, width of bit, 4 to 4½ in., weight, 3¾ lbs., - - - " 24.00

ONE DOZEN IN A CASE

Railroad.

Ajax, gold bronzed, width of bit, 5 to 5½ in., weight, 4 to 4½ lbs., - - - - per dozen $23.00
Ajax, gold bronzed, width of bit, 6 in., weight, 4½ lbs , - - - - - - " 24.00
Blood's, gold bronzed, width of bit, 5 in., weight, 4 to 4½ lbs., - - - - - - ' 26 00
Blood's, gold bronzed, width of bit, 6 in , weight, 5 lbs., - - - - - - " 27 00

ONE DOZEN IN A CASE

Ship.

Ajax, gold bronzed, width of bit, 4 to 4¼ in., weight, 2½ lbs., - - - - per dozen $23.00
Blood's, gold bronzed. width of bit, 4¼ to 4½ in., weight, 3 lbs., - - - - - " 25.00

HALF DOZEN IN A CASE.

Wooden Ware.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Polished Maple Chopping Bowls.

Fig. A–1391.

15 and 17 Inch and Assorted, 1 Dozen in Crate.
19 Inch, ½ Dozen in Crate.

15 Inch Chopping Bowls	Per dozen,	$5 00
17 Inch Chopping Bowls	"	7 00
19 Inch Chopping Bowls	"	9 00
Assorted, 15–17–19 Nested	"	7 00

Round Butter Moulds.

Fig. A–1393
Hard Maple.

Half Pound Butter Moulds	Per dozen,	$4 00
One Pound Butter Moulds	"	5 00

Butter Ladle.

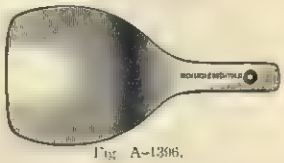


Fig. A–1396.

Length, 8½ Inches. Width, 4¾ Inches.

Butter Ladle, Hard Maple	Per dozen,	$2 00

Towel Roller.

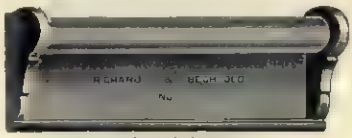


Fig. A–1118

Two Dozen in Crate.

No. 2. Towel Roller, Size 21x4, White Wood Hard Wood Roller . . .	Per dozen,	$2 50
No. XX. Rolling Pins, Revolving White Handle, Size 11½x2⅜.	"	2 00

Hard Maple Chopping Trays

Fig. A–1392.

One half dozen in crate

No. 0. Size, 17½x10 Extra Select .	Per dozen,	$ 5 50
No. 1. Size, 19½x10½ Extra Select	"	7 50
No. 2. Size, 21x11 Extra Select .	"	10 00
Assorted, No. 0 No. 1 and No. 2 . .	"	7 50

California Butter Moulds.

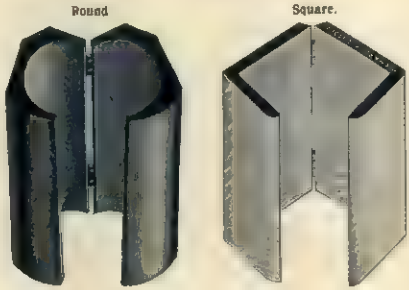


Fig. A–1394 Fig. A–1395.

Two pounds.

Round	Per dozen,	$6 00
Square	"	6 00

Potato Mashers

Fig. A–1397

Extra heavy.

Potato Mashers, 3 Inch	Per dozen,	$1 25

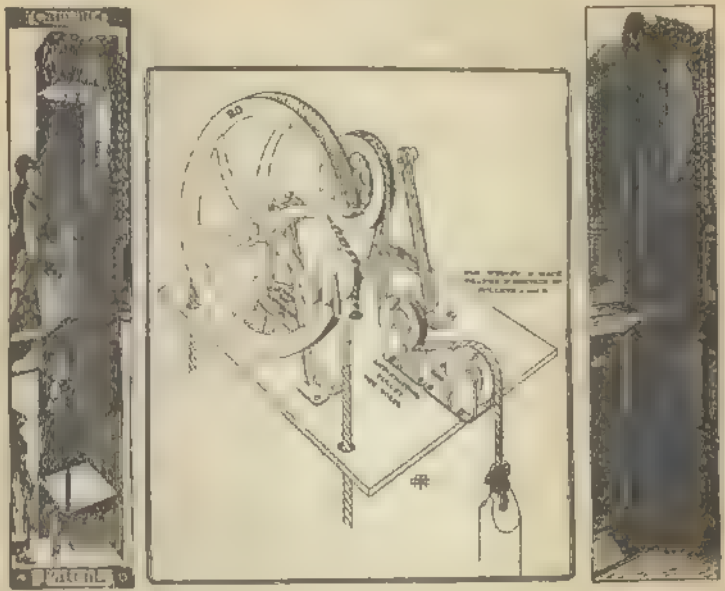
Rolling Pin.

Fig. A–1399.

One dozen in box

Dumb Waiter Fixtures

Cannon 9

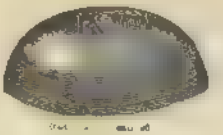


Cannon	Size of Face Fixtures	Weight Required	Per Set
4	8 in.	4	3
4	8 in.	4	3
4	8 in.	4	3
4	8 in.	4	3
4	8 in.	4	3
4	8 in.	4	3
4	10 in.	4	3

In ordering Face Fixtures, state depth of well-hole, in order to obtain proper length of shaft.

For light work, a weight ten pounds heavier than the box is sufficient. For use in flats, or where required to run more than one story, the weight should be fifteen or twenty pounds heavier than the box.

Hitching Weights.



No. 12 2 Pounds, Finished, Weight in [illegible] Per Dozen, $
" 15 [illegible]
" 20 [illegible]

Hitching Posts.

No. 7

No. 8

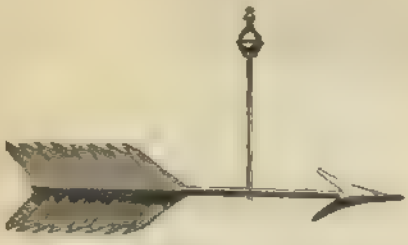
No. 9

No. 7 Rustic, Cast Iron, Painted [illegible] Per Dozen, $
" 8 Standard Cast Iron Painted, [illegible]
" 9—Grape Vine, Cast Iron, Painted, [illegible]

Weather Vanes.

Copper, Covered with Pure Gold Leaf.

Arrow



Game Rooster

No.			Each $
"	18	48 in. Long,	
"	19	42 in. "	
"	20	36 in. "	
"	21	30 in. "	
"	22	24 in. "	
"	23	18 in. "	
"	24	15 in. "	
"	25	12 in. "	
"	13	Game Rooster, 16 to 18 in.	
"	13A	" 12 to 12 in.	

With Spire, Letters and Ball complete.

Ethan Allen.

Eagle.

No.			Each $
"	1	Ethan Allen, 30 in. Long,	
"	13½	" 28 in. "	
"	53	Eagle, 30 in. Long,	
"	54	" 28 in. "	

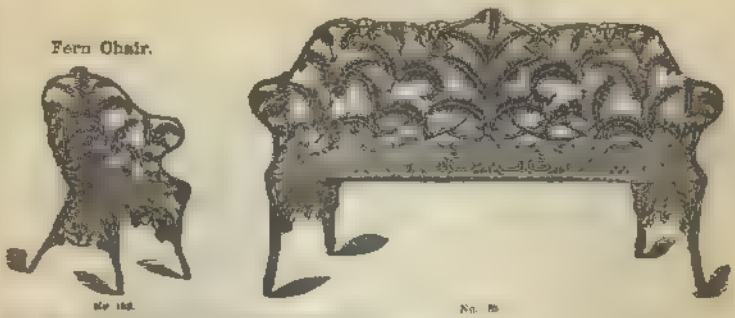
With Spire, Letters and Ball complete.

Illustrated Catalogue, Showing Large Line of Weather Vanes, furnished on application.

Lawn Furniture.

Fern Settee

Fern Chair.

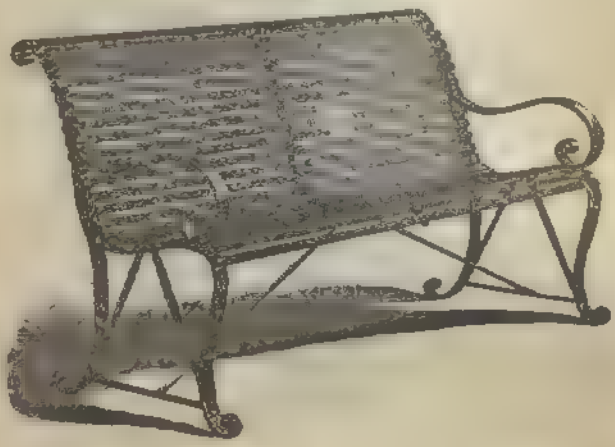


No. 152.

No. 150.

No. 150—Fern Pattern Chair, Iron, Painted and Bronzed . . . Each $
" 152— " " Settee " " " Length 4½ ft. . . . "

Wrought Steel Settee

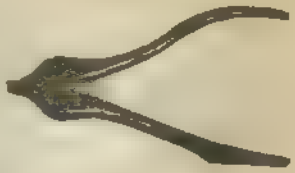


No. 152.

No. 152—Wrought Steel Settees, Painted, Length 3 ft. . . . Each $
" 152— " " " " 5 ft.

Hose Straps and Pliers.

Caldwell's Patent.



No. 6—Caldwell's Hose Straps, Brass, For [illegible]
" 8— " " " " " ½ in. " "
" 16—Pliers for Applying Caldwell Hose Straps

Per Dozen
"

Straps Only Packed in a Box.

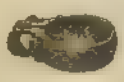
Glauber's Patent.

No. 04 Glauber's Patent Straps, Brass, For ½ in. Hose.
" 06 " " " " " ¾ " "
" 010 " " " " " 1 " "
" 014 " " " " " 1¼ " "
" 04—Pliers for Applying Glauber's Hose Straps,

Per Dozen $
"

Straps Only Packed in a Box.

Hose Clamps.



Hose Nipples

Hose Washers

Inches, ½ ¾ 1 1¼ 1½ 2
Hose Clamps, Brass, Per Dozen
Hose Nipples, " " "
Rubber Hose Washers, ½ in. "

Per Pound $

Lawn Furniture.

Vases.

No. 180.

No. 186.

No. 180 Iron Vases, Iron Pantolean, Bronzed, Height 30 in., Diameter 20 in. Each $
" 185 " " " " " 29 in., " 12 in. "
" 186 " " " " " 36 in., " 25 in. "

Rustic Chair.

No. 181.

Rustic Settee.

No. 182.

No. 181 Rustic Pattern Chairs, Iron Palnts, and Bronzed, Each $
" 180 " " Settees " " Length 4 ft. "

Galvanized Wire Guy Rod.

For Stack Guys, Derricks, Electric Light Plants, Etc.

No.	Diameter Inches.	Per Foot Pounds.	Per Coil Pounds.	Breaking Strength Pounds.	Length of Coil Feet.
415				1800	
*413				2000	
*411				3000	
410½				3500	

Numbers marked * carried in stock; other numbers furnished to order.

This Rod or Rope is composed of seven strands of wire, each strand being a single strand.

Switch Ropes.

Diameter, Inches,	½	⅝	¾
Length complete Feet,	30	30	30
Breaking strain, Tons	21	31	41
Each,	1		

Made of Best Quality Steel Wire, breaking from 70 tons per Square Inch, with Hook and Link.

Rope Clamps.

For Wire Rope

Nos.	01	02	03	04	05
Diameter of Rope, Inches,	½	¾	1	1¼	1½
Per Dozen,	1				

For Manilla Rope

Nos.	1	2	3	4	5
Diameter of Rope, Inches,	½	¾ and ⅝	1 and 1¼	1¼ and 1½	1½
Per Dozen,	1				

"Champion Standard" Portable Platform Scales.

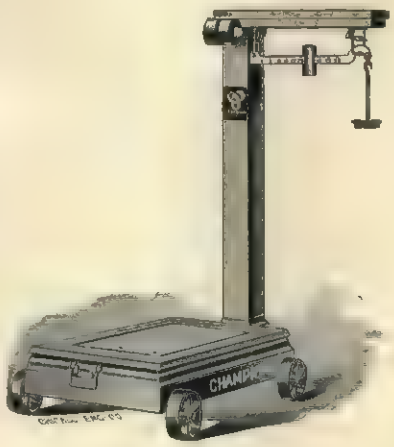


Fig. A–1225.

Capacity 400 Pounds, on Wheels	Price $20 00
Capacity 600 Pounds, on Wheels	" 22 00
Capacity 800 Pounds, on Wheels	" 24 00
Capacity 1,000 Pounds, on Wheels	" 28 00
Capacity 1,200 Pounds, on Wheels	" 32 00
Capacity 1,500 Pounds, on Wheels	" 36 00

Double Beam, extra net, $2.00 on the 400, 600, and 800 pound sizes.

Fig. A–1226.

With Wheels and Drop Lever.

Capacity 1,000 Pounds	Price, $32 00
Capacity 1,200 Pounds	" 36 00
Capacity 1,500 Pounds	" 40 00

These Scales are Carefully Sealed and Tested

Bedford Portable Platform Scales.

Capacity 400 Pounds, on Wheels	Price $20 00
Capacity 600 Pounds, on Wheels	" 22 00
Capacity 800 Pounds, on Wheels	" 24 00
Capacity 1,000 Pounds, on Wheels	" 28 00

"Champion Standard" Union or Family Scales.

Capacity ½ Ounce to 240 Pounds.

SHOWING SINGLE BEAM SCALE

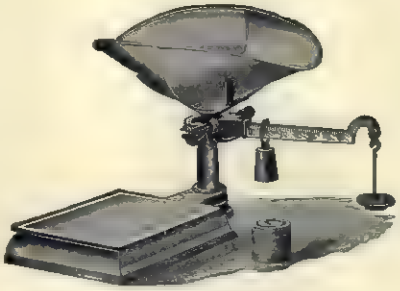


Fig. A–1227

Finished in Vermilion and Gold

Union, Tin Scoop, Single Beam . . . . . Price, **$6 00**
Union, Tin Scoop, Double Beam . . . . . " **8 00**
Union, Tin Scoop, Black Single Beam . . . . . Each, **$5 00**
Union, Brass Scoop, Single Beam Each, **$8 00**
Union, Brass Scoop, Double Beam . " **9 00**

"Champion Scales."

Fig. A–1228

The Latest and Best Cheap Wagon Scale.

To meet the demand for a cheap wagon or stock scale we have arranged with the manufacturers of the Champion Scale to handle their entire production. We have no hesitation in stating that the Champion is the best cheap scale now in the market. The construction is very simple, and great care has been taken to arrange it so that any one can build it successfully. All the materials are the very best of their respective kind. Brass Beam, Sliding Poise and Steel Pivots. Full and complete building plan and directions sent with each scale.

4 Ton, 8x14, Single Beam	Price, $ 70 00	6 Ton, 8x18, Double Beam	Price, $115 00
5 Ton, 8x14, Single Beam	" 80 00	6 Ton, 8x22, Double Beam	" 125 00
6 Ton, 8x14, Single Beam	" 95 00	8 Ton, 8x14, Double Beam	" 120 00
6 Ton, 8x18, Single Beam	" 110 00	8 Ton, 8x18, Double Beam	" 130 00
6 Ton, 8x22, Single Beam	" 120 00	8 Ton, 8x22, Double Beam	" 135 00
4 Ton, 8x14, Double Beam	" 75 00	10 Ton, 8x14, Double Beam	" 135 00
5 Ton, 8x14, Double Beam	" 85 00	10 Ton, 8x18, Double Beam	" 140 00
6 Ton, 8x14, Double Beam	100 00	10 Ton, 8x22, Double Beam	150 00

POCKET MATCH SAFES.

No 6

No 9.

No. 90.

No. 5.

No. 6–Charm, nickel plated, - - - - - - - - - - - - per dozen $2.50
No. 9–Excelsior, nickel plated, - - - - - - - - - - - - " 2.00
No. 90–Excelsior, nickel plated, body leather covered, - - - - - - - - " 3.00
No. 5–Automatic, nickel plated, - - - - - - - - - - - - " 3.50

ONE DOZEN IN A BOX

No 65

No 650

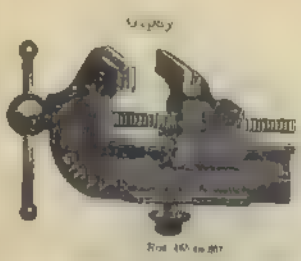
No 7

No. 65–Mascot, plain, nickel plated, - - - - - - - - - - - - per dozen $3 50
No. 650 Mascot, decorated, nickel plated, - - - - - - - - - - - - " 3.50
No. 7 Combination safe and cigar cutter, nickel plated, - - - - - - - - " 4.50

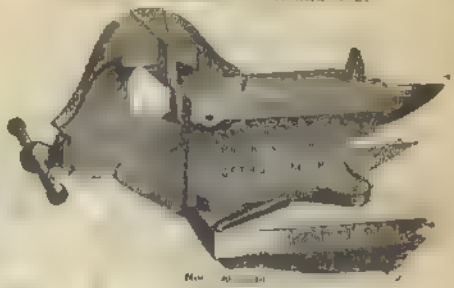
ONE DOZEN IN A BOX.

Vises

Cheney's Counterbalanced Anvil and Vise



Gipsy



No. 265 Gipsy

No.						Weight		Each
"	265½							
"	265½							

Cheney's Combined Anvil and Vise

No.								Weight 26 lbs.		Each
"	340									
"	340									

Simpson's Rapid Traverse Parallel Vises

Swivel Bench.

No. 19 Swivel Bench

No.									Weight	Each
"	12								17½ lbs.	
"	13									
"	14									
"	15									
"	29									
"	30								19½	
"	31									
"	32									
"	33									

Stationary "

Stationery Bench.

No. 29 Stationery Bench

Simpson's Rapid Transit Parallel Vises.

Stationary Coachmakers'

Nos. 40 and 41

Swivel Coachmakers'.

Nos. 42 and 43.

						Each, $
No. 40—4 in.	Jaws, Opens 8½ in.,	Stationary,	Weight 41 lbs.,			
" 41—4½ in.	" " 10 "	"	" 49 lbs.,			
" 42—4 in.	" " 8½ "	Swivel	" 48 lbs.,			
" 43—4½ in.	" " 10½ "	"	" 55 lbs.,			

Stationary Coachmakers', Swivel Jaw

No. 44.

Swivel Coachmakers', Swivel Jaw.

No. 45

				Each, $
No. 44—4 in.	Jaws, Opens 8½ in.,	Stationary,	Weight 45 lbs.,	
" 45—4 in.	" " 8½ "	Swivel	" 50 lbs.,	

Saw Handles.

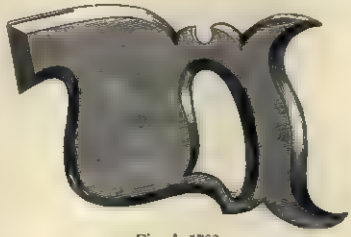


Fig. A–1706.

No. 2 Hand, Beech Wood	Per dozen,	$1 40
No. 4 Panel, Beech Wood	"	1 35
Disston's No. 7, Beech Wood	"	2 50
Disston's No. D8, Apple	"	4 00
Disston's No 12, Apple, Carved	"	6 75
Disston's Butcher Saw Handles	"	2 25

One dozen in a box.

Disston's One Man Saw Handles	"	3 75

One-half dozen in a box.

Crosscut Saw Handles.

Fig. A–1707.

Fig. A–1708.

Fig. A–1709.

Fig. A–1710

No. 2. Per pair		$0 40
No. 5. Per pair		50
No. 7. Per pair		60
No. 9. Per pair		1 25
Climax, per pair		50

Fig. A–1711
Climax.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Adzes.

Fig. A–1751.
Ship Adze.

"Hunt's."

Ship Adze . .	. Per dozen,	$25 00
House Adze	"	24 00
Millwright's Adze .	"	27 00

Fig. A–1752
House.

"Barton's."

Millwrights' Half Head Adze, Per dozen,	$24 00
Ship Adze, 4 to 4½ Inch Cut, doz	30 00

Fig. A–1753.
Millwrights'.

"Horton's" Ship Adze.

4, 4¼, 4½ Inch . . .	Per dozen,	$40 60
4¾ and 5½ Inch . .	"	44 80
Lipped, 4½, 4¾, 5 in,	"	46 20

Broadaxes.

Fig. A–1754.
Hunt's, Ship.

Fig. A–1755
"Western Pattern."

Fig. A 1756.
Horton's Ship.

Ship Broadaxes.

Horton's, Usual Weight	. Per dozen,	$54 60
Barton's, Usual Weight . .	"	36 00
Hunt's, Usual Weight . .	"	30 00

"Western Pattern" Broadaxes.

Hunt's, Weight 5 to 7½ lbs . .	Per dozen,	$32 00
Hunt's, Weight 8 to 9 lbs. . .	"	38 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Boys' and Freighters' Axes.

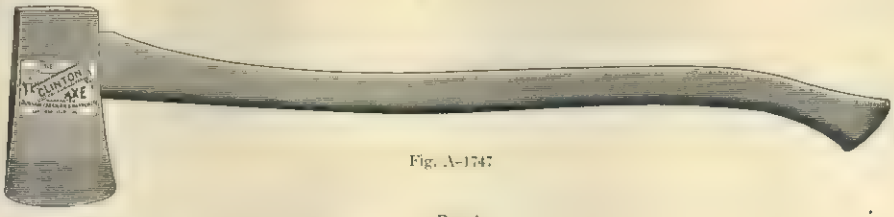


Fig. A-1747

Boys'.

Clinton, Full Polished, Weight 2 lbs., 28 Inch Handle.	Per dozen, **$16 00**
Hunts', Bronzed, Weight 2 lbs., 28 Inch Handle	" **13 00**
Sunset, Bronzed, Weight 2 lbs., 28 Inch Handle	" **13 00**

Freighters'.

Clinton, Full Polished, Weight 3 lbs., 30 Inch Handle	Per dozen, **$18 00**
Sunset, Bronzed, Weight 3 lbs., 30 Inch Handle	**15 00**

One dozen in a box.

Fireman's Handled Axes.

Fig. A-1748

Finished in Red — Per dozen, **$34 00**

Coopers' Axes and Adzes.

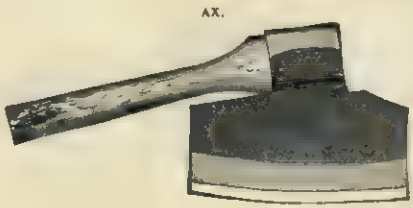


Fig. A-1749.

Fig. A-1750.

Coopers' Axes.

Barton's, No. 1, Width of Cut 10 Inches	Per dozen, **$33 00**
Barton's, No. 2, Width of Cut 8½ Inches	" **27 00**

Coopers' Adzes.

Barton's, No. 1, Bolted Handle, Weight 4 lbs.	Per dozen, **$30 00**
Barton's, No. 2, Bolted Handle, Weight 3 lbs.	" **27 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Folding Tables.

No. 10—Folding [illegible] Antique Oak with Spring [illegible] 30 in Square, 27 in High — Per Dozen, 6

Half Sizes in a Crate

Store Ladders.

Osburn's Patent.

Osburn's Patent Store Ladders, Trolley Track, ... Each, 9
Per Foot.

The above is the cheapest most simple and durable and easily put up Store Ladder yet devised.

Please write for Descriptive Circular

Self Wringing Mops.

No. 10

No. 10—Triumph Self Wringing Mops, ... Per Dozen $

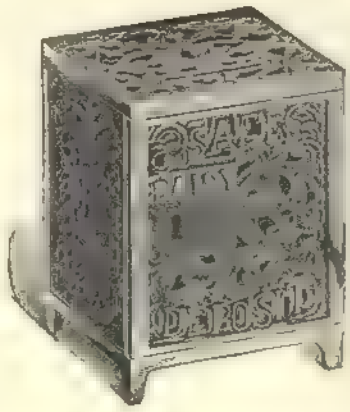
Mop Cloths.

No. 12

No. 12—Mop Cloths for Triumph Self Wringing Mops. . . . Per Dozen $

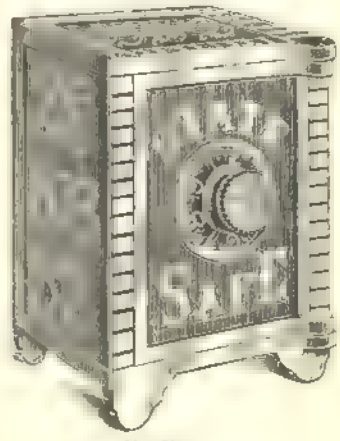
These Mop Cloths are composed of yarn knit and fashioned by special machinery, producing a Mop Cloth that has no rival. They are elastic, pliable, light, can be wrung with scarcely an effort, and absorb water like a sponge

TOY BANKS.



No. 25.

No. 35.

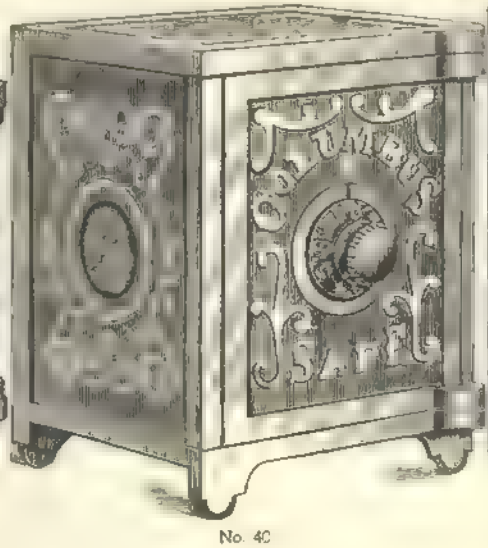


No. 20.

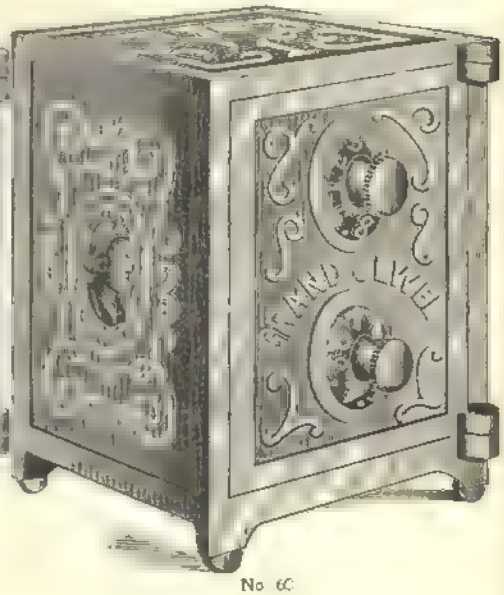
No. 25 Daisy, nickel plated, 3⅛×2⅛×2¼ in., with lock and key, - - - - - per dozen $1 60
No. 35 U. S. Navy, nickel plated, 3⅛×2⅛×2¼ in., blind combination lock, - - - " 2.25
No. 20–State, nickel plated, 4¼×2¾×3½ in., combination lock, - - - - - " 4.50

HALF DOZEN IN A BOX

No. 30.



No. 40

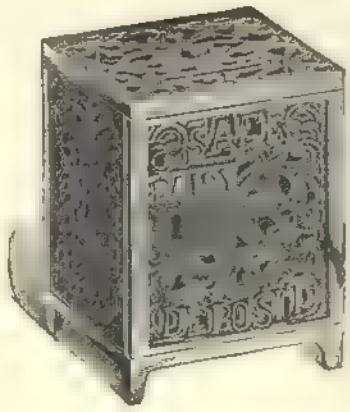


No. 60

No. 30 National, nickel plated, 5×3¼×3¼ in., combination lock, - per dozen $ 6 75
No. 40 Columbus, nickel plated, 5½×4¼×3¼ in., combination lock with money guard - " 9 00
No. 60–Grand Jewel, nickel plated, 5½×4¼×3¾ in., double combination lock, - - " 10 50

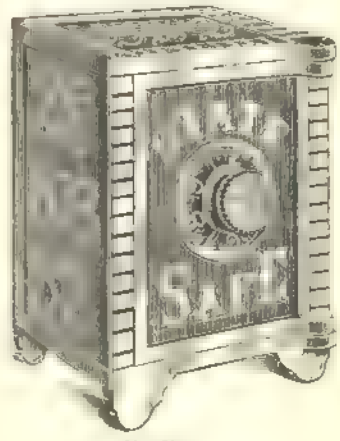
NO. 30 ONE QUARTER DOZEN, NOS. 40 AND 60 ONE IN A BOX.

TOY BANKS.



No. 25.

No. 35.

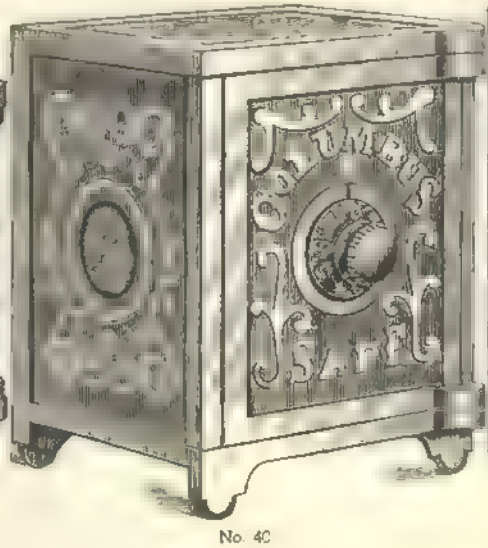


No. 20.

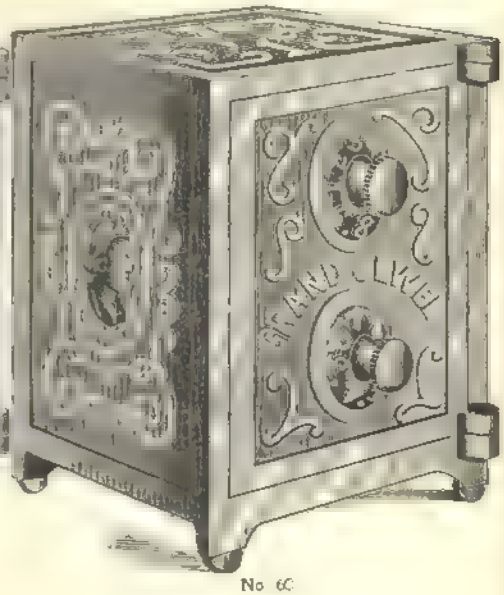
No. 25 Daisy, nickel plated, 3⅛×2⅛×2¼ in., with lock and key, - - - - - per dozen $1 60
No. 35 U. S. Navy, nickel plated, 3⅛×2⅛×2¼ in., blind combination lock, - - - " 2.25
No. 20–State, nickel plated, 4¼×2¾×3½ in., combination lock, - - - - - " 4.50

HALF DOZEN IN A BOX

No. 30.



No. 40



No. 60

No. 30 National, nickel plated, 5×3¼×3¼ in., combination lock, - per dozen $ 6 75
No. 40 Columbus, nickel plated, 5½×4¼×3¼ in., combination lock with money guard - " 9 00
No. 60–Grand Jewel, nickel plated, 5½×4¼×3¾ in., double combination lock, - - " 10 50

NO. 30 ONE QUARTER DOZEN, NOS. 40 AND 60 ONE IN A BOX.

Dash Board Lanterns.

Queen.

No

Tubular.

No 10.

Tubular Bull's Eye.

No 113

No [illegible] Japanned [illegible] Per Dozen $
" 23— [illegible]
" 113— Bottom [illegible] Japanned and N[illegible] Tubular [illegible]
No 0 Bull's Eye Globe "

Dash Board Attachments.

Dehff's Dash Board Attachments. . . . . Per Dozen, $

These attachments will fit all styles of No. 0 Tubular Lanterns

Street and Hanging Lamps.

Globe Street.

No 2.

Globe Hanging

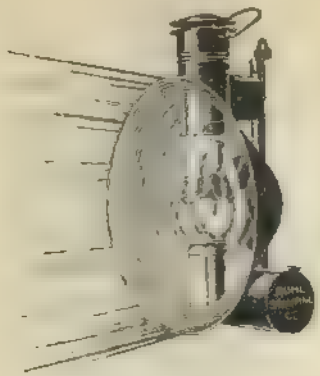
No 19

No. 8—Globe Tubular Street Lamps, with Al[illegible]
13— " " Hanging " "

Each $

Wall Lamps.

For Factories, Mills, Warehouses, Stables, Etc.



No. 10.

No. 10—Wall Lamps, Diameter of Hood 16 in., Nickel Plated Reflector No. 2 Tubular Burner No. 0 Globe, ... Each $.

Tubular Square Lamps.

No. 1

No. 2

No. 1—Tubular Square Lamps, Height 18 in., with Silvered Glass Reflector, Each $.
" 2— " " " " 21½ in. " " " " . . . .

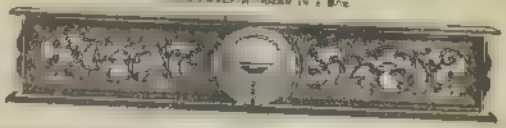
Davis' Adjustable Iron Plumbs and Levels.

Made in Nickel Plated

No. 1 [illegible] Adjustable, Iron Level, Plumb and Inclinometer, [illegible] Per Dozen $

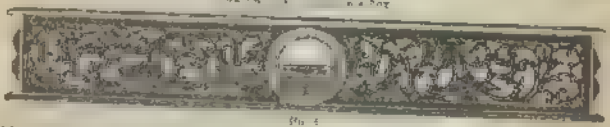
" 2—12 in., " " " " " "

One Twelfth Dozen in a Box



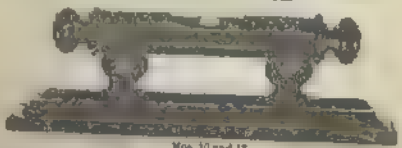
No. 3—18 in. [illegible] Iron Level, Plumb and [illegible] Per Dozen $

One Twelfth Dozen in a Box



No. 4—24 in., Adjustable, Iron Level, Plumb and Inclinometer [illegible] Per Dozen $

One Twelfth Dozen in a Box



Nos. 10 and 12

No. 10—4 in., Adjustable, Iron Bench Levels, [illegible] Per Dozen $

" 12—6 in., " " " " "

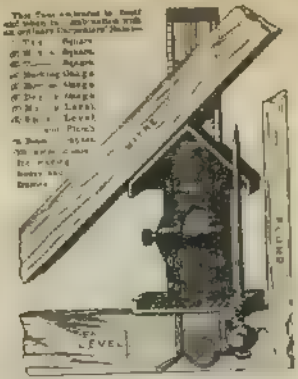
One-Twelfth Dozen in a Box

No. 11

No. 11 [illegible], Adjustable Iron Bench Level, [illegible] Straight Edge [illegible] Per Dozen $

One-Twelfth Dozen in a Box.

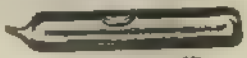
Stanley's Odd Jobs.



No. 1—Stanley's Odd Jobs, Nickel Plated, with Level, ... Per Dozen, 6

One-Twelfth Dozen in a Box.

Level Glasses.



Inches.	1¾	2	2½	3
Per Gross,	6			

One Twelfth Gross in a Box.

Level Sights.

Stanley's.

No. 1 Level Sights, . Per Dozen Pairs, 6

By the use of these Sights operations described which can be attached and leave the water bath a convenient distance above the means of sighting from one given point to another at a long distance away.

When not in use, the Level Sights are easily detached from the Level and can be packed away in a small space for future use.

One-Twelfth Dozen in a Box.

Bit and Square Levels.

Stanley's.

No. 64—Bit and Square Levels Brass Frame . Per Dozen 4

The Frame of this Level has Three [illegible] Plain on the Back [illegible] Screw [illegible] Level to the Bit, one working to the [illegible] Bit, so as to perpendicular, horizontal, or angle of forty-five degrees, by observing the Bubble Glass [illegible] ning the Bit.

The Frame can also be [illegible] Level to the Square thus making [illegible] Square Level and the [illegible] Leg of the Square will then [illegible] exact Plumb Line.

One-Twelfth Dozen in a Box.

Dawson Logging Jacks.

Fig. A-2612.

We carry two sizes, Nos. 1 and 2, and two qualities of each size, one with forged and milled gearing, the other with cast cast-steel gearing.

Price List, Net.

No. 1 Jack, with Forged and Milled Gearing	Each,	$30 00
No. 1 Jack, with Cast Cast-steel Gearing	"	27 50
No. 2 Jack, with Forged and Milled Gearing	"	35 00
No. 2 Jack, with Cast Cast-steel Gearing	"	32 50
Lift Bar, Nos. 1 and 2	"	7 00
Small Pinion, Nos. 1 and 2	"	2 50
Large Pinion, Nos. 1 and 2		5 00
Bushings, Nos. 1 and 2	"	60
Rollers, Nos. 1 and 2	"	60
Woods, Nos. 1 and 2	"	5 00
Pall, Nos. 1 and 2		50
Ratchet, Nos. 1 and 2	"	50
Guide and Roller	"	2 50
Roller and Bolt	"	75

Forged Pinions

Small, No. 1	Each,	$4 50
Small, No. 2	"	5 00
Large, No. 1	"	8 00
Large, No. 2	"	9 00

Wagon Jacks.

Daisy.

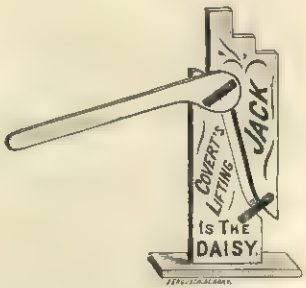


Fig. A-2613.

Daisy Wagon Jack — Per dozen, **$12 00**

Eclipse.

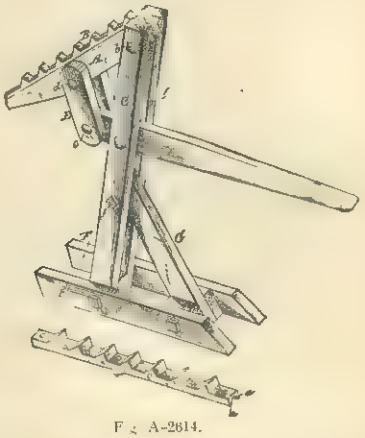


Fig. A-2614.

Eclipse Wagon Jack — Per dozen, **$15 00**

The Samson Jack.

Fig. A-2615. No. 0.

No. 0.

Weight, 12 Pounds, Complete.

Lifting Capacity, 1,500 Pounds.

Price $4 00

No. 1.

Weight, 17 Pounds, Complete.

Lifting Capacity, 3,500 Pounds.

Price $5 00

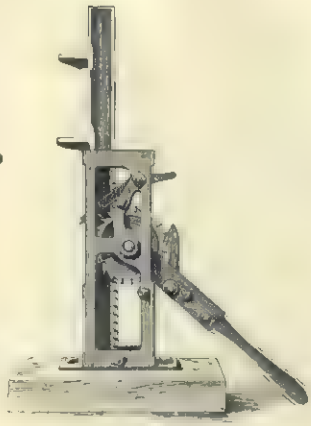


Fig. A-2616. No. 1.

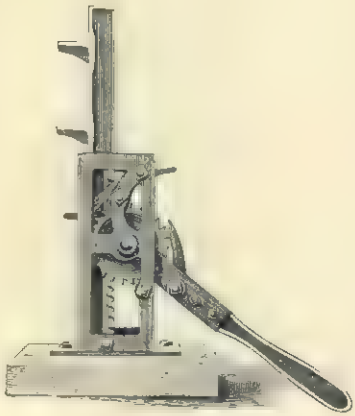


Fig. A-2617. No. 2.

No. 2.

Weight, 27 Pounds Complete.

Lifting Capacity, 6,000 Pounds.

Price $6 00

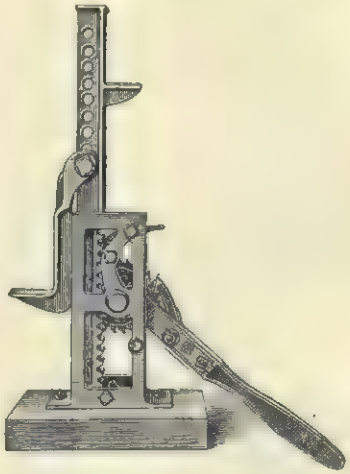


Fig. A-2618. No. 2. With Drop Hook.

No. 2. With Drop Hook.

This Jack is particularly adapted to the use of vehicles with very low or very high axles. The rack or upright is 3 inches longer than the regular No. 2 Jack. The drop hook can be adjusted to raise an axle standing as low as 9 inches from ground, and can also be readily adjusted to suit any ordinary height.

Weight, 32 Pounds, Complete.

Lifting Capacity, Uses, etc., Same as No. 2.

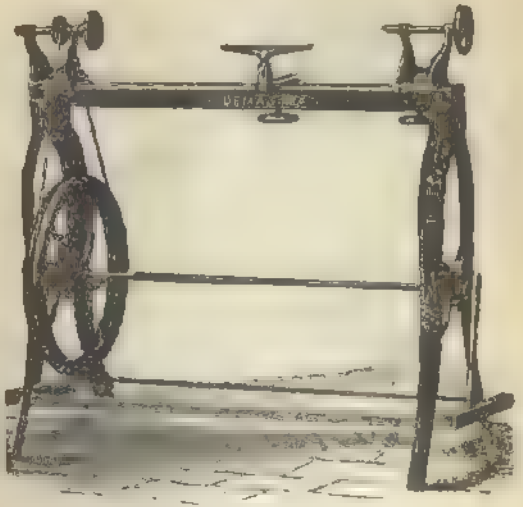
Price $6 75

☞When ordering this size, be sure to state "No. 2, with Drop Hook."

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Lathes.

Deimas No. 04.



No. 04 [illegible] Each $

This machine is designed for wood turning. It will take in stuff 8 inches in diameter and 30 inches long.

It is made of Iron and Steel, the Treadles of Ash, Length of Lathe Bed 42 inches, Height from floor 34 inches to Centre [illegible]. Lathe Wave 6 inches, Length between Centres 30 inches.

Head and Tail Blocks are milled to fit Lathe Wave.

Pipe Tongs.

Common

Inches, Each.	⅜	½	⅝	¾	⅞	1	1¼	1½	2	2½
	$									

Brown's Adjustable.

Nos.	1	1½	2	3	4	5
For Pipe, Inches,	¼ to ¾	¼ to 1	½ to 1¼	1 to 2	1½ to 3	2½ to 4
Each,	$					

Chain Pipe Wrenches.

Robbins' Patent.

Nos.	2	3	4	5
Length of Lever Inches,	27	36	48	60
Size of Chain	⅝	¾	⅞	1
Weight complete lbs.,	9	12	24	36
For Pipe, Inches,	¼ to 2	2½ to 4	2 to 6	3½ to 8
Each	$			

Brock's Patent.

Nos.	10	11	12	13	14	15
Length Inches,	12½	20	27	37	50	64
Weight, lbs.,	1½	4½	8	15	28	47
For Pipe, Inches	¼ to ½	½ to 1½	½ to 2½	½ to 4	1½ to 6	4
Each,	$					
Extra Chains, Each,						
Extra Jaws Per Pair						

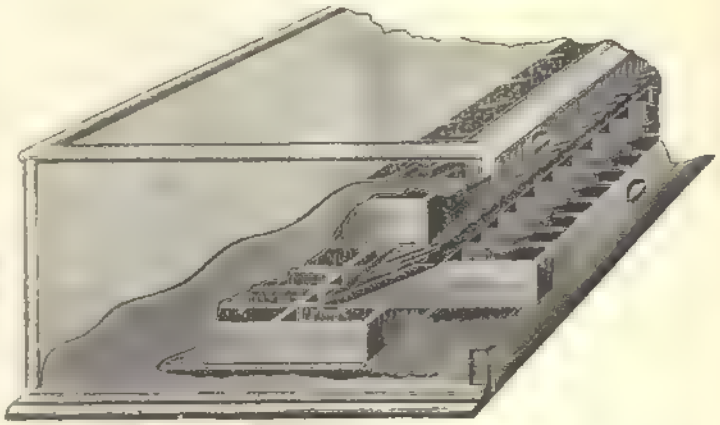
DEMPSEY PATENT CUTLERY CASES.

Display Always in Order

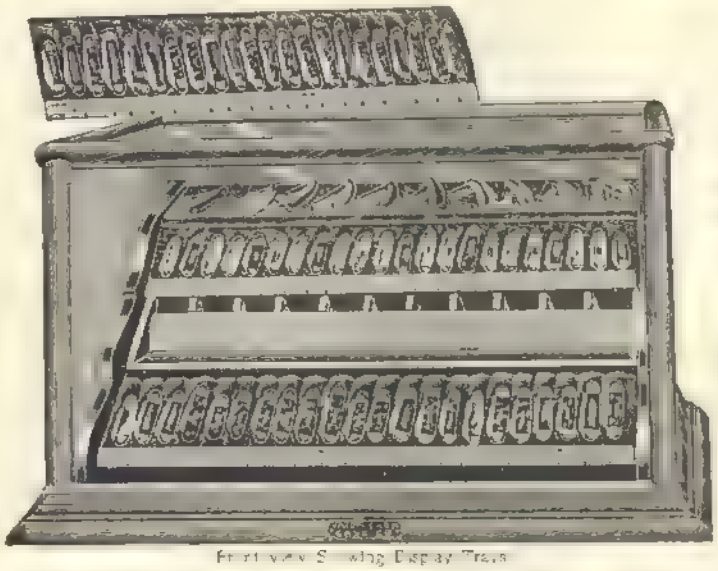
No matter how careless your clerks are, your cutlery is always systematically arranged. Always in perfect shape. Made in walnut, cherry and antique oak. Lined with red and old gold plush

Particular Patterns.

The system of marking by means of nicely printed price tags just below each individual knife calls the attention to single patterns and appeals eloquently to the purchaser. The prices are in plain view, and do more to make sales and facilitate waiting on customers than any known device.



Sectional View Showing Trays



Front view Showing Display Trays

Arrangement of Samples.

The cheaper and larger patterns are placed at the base, gradually rising in price and finish until the top is reached, crowned by stag, shells, pearls and expensive razors and shears.

Manner of Keeping Stock.

The stock is kept in three drawers, rising one above the other (see sectional view of case) cut out in separate compartments large enough to hold one dozen knives. Each separate compartment is just behind and below the samples, making it most convenient to replace samples when sold

Capacity.

The Dempsey display tray exactly doubles the capacity of an ordinary case

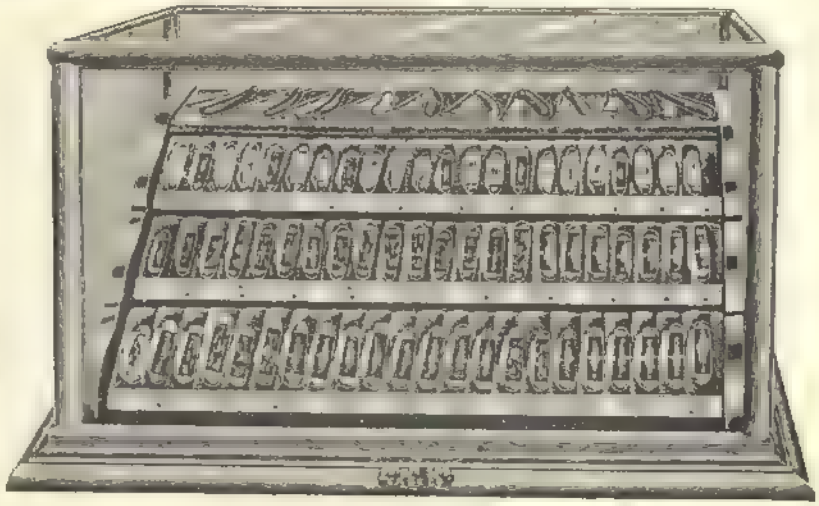
Made in Walnut, Cherry and Antique Oak.

No. 1 is 30 inches long and displays 66 patterns of pockets and 12 patterns of razors or shears

No. 2 is 54 inches long and displays 132 patterns of pockets and 24 patterns of razors or shears

No. 3 is 83 inches long and displays 198 patterns of pockets and 36 patterns of razors, shears or scissors.

In ordering state wood wanted



Front View

Ask for Our Plan of Furnishing These Cases Without Charge.

CORK PULLERS.

No. 10–"Quick and Easy," nickel plated, with bottle clasp attachment, crown and seal lifter, screw holes and clasp, - - each $6.00
Extra Corkscrews, - - - - " .50

With a slight pressure on the handle of the clasp, the bottle is firmly held in position while cork is being drawn, which prevents all possibility of injury to the operator. Wires are cut when cork is pulled.
ONE IN A WOOD BOX.

No. 101–"Beaumont," nickel plated, with bottle clasp attachment, stands about 5 in. above counter, screw clamp, - - - each $4.50

Press the bottle against back of puller's mouth, which closes and holds it firmly; pull the lever which draws cork, and remove bottle by pulling it towards you. To recork, place bottle in same position and reverse movement of lever
ONE IN A BOX.

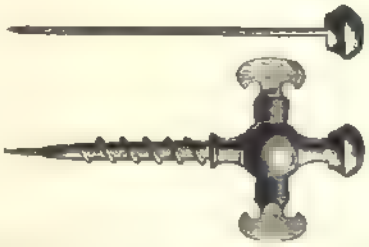
FANCY CORK SCREWS.

No. 7–Detroit, polished steel handle, forged steel screw, length 4 in., - per doz. $5 00
ONE DOZEN IN A BOX.

CHAMPAGNE NIPPERS.

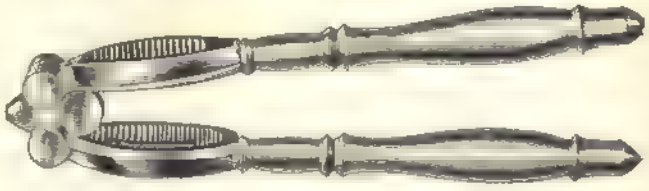
No. 2000–Nickel plated, - - per doz. $13.50
HALF DOZEN IN A BOX.

CHAMPAGNE TAPS.

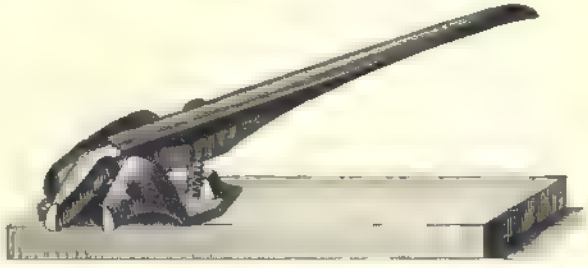


No. 2100–Nickel plated, - - per doz. $12.00
HALF DOZEN IN A BOX.

NUT CRACKS.

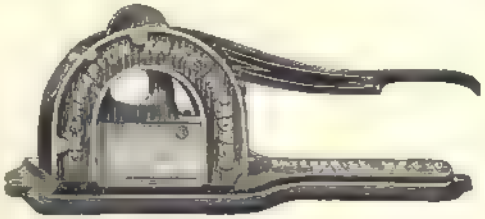


No. 4–X silver, large size, - - per doz $6 00
ONE DOZEN IN A BOX.



No. 12–Japanned, with wood bottom, per doz. $5.00
ONE DOZEN IN A CASE.

TOBACCO CUTTERS.

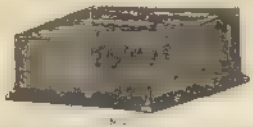


Enterprise, - - - - per doz. $21.00

Show Cases.

Double Thick French Glass.

Straight Front, Metal Corners



Mansard Front, Metal Corners.

No. 1—Straight Front, Cherry, Oak, Ash, or Walnut Frame, Polished, German Silver Corners, 18 in. High, 25 in. Wide on Bottom, Sliding Doors, with Mirrors.

Length, Feet,	3	3½	4	5	6	7	8	9	10	12
Each,	$									

No. 2—Mansard Front, Cherry, Oak, Ash, or Walnut Frame, Polished, German Silver Corners, 18 in. High, 25 in. Wide on Bottom, Sliding Doors, with Mirrors.

Length, Feet,	3	3½	4	5	6	7	8	9	10	12
Each,	$									

Round Front, Metal Corners.

Straight Front, Full Metal.

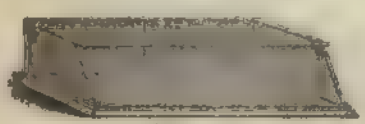
No. 3—Round Front, Cherry, Oak, Ash, or Walnut Frame, Polished, German Silver Corners, 18 in. High, 25 in. Wide on Bottom, Sliding Doors, with Mirrors.

Length, Feet,	3	3½	4	5	6	7	8	9	10	12
Each,	$									

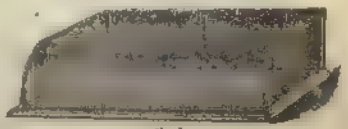
No. 4—Straight Front, Full Metal Frame, 18 in. High, 25 in. Wide on Bottom, Sliding Doors, with Mirrors.

Length, Feet,	3	3½	4	5	6	7	8	9	10	12
Each,	$									

Mansard Front, Full Metal.



Round Front, Full Metal.



No. 5. Mansard Front, Full Metal Frame, 18 in. High, 25 in. Wide on Bottom, Sliding Doors, with Mirrors.

Length, Feet,	3	3½	4	5	6	7	8	9	10	12
Each,	$									

No. 6—Round Front, Full Metal Frame, 18 in. High, 25 in. Wide on Bottom, Sliding Doors, with Mirrors.

Length, Feet,	3	3½	4	5	6	7	8	9	10	12
Each,	$									

Cases up to 6 ft. have one light glass, 6 ft. and over have two and three lights glass in top and front.

Steelyards.

Domestic

No. 1

No. 1—Domestic, Heads and Poises Japanned

Pounds,	-							50	100
Per Dozen,								8	

Farmers

Bonnie & Call's

No. 2 No. 3

No. 2 Farmers Heads and Poises Painted Red

Pounds,	50	100	150	200	250	300	
Per Dozen,	- - 8						

No. 3—Bonnie & Call's, Heads and Poises Painted Red

| | | | | | | | | |

Lemon Squeezers.

Fig. A-1294

No. 1. Maple Wood Lemon Squeezers . . . . . Per dozen, **$2 50**

Drum Lemon Squeezers.

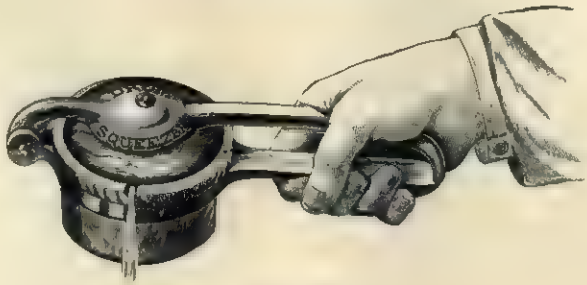


Fig. A-1295

"Drum" Japanned Lemon Squeezers, Porcelain Bowl . . . Per dozen, **$12 00**
"Drum" Nickel Plated Lemon Squeezers, Porcelain Bowl . . . . " **18 00**

"Gem."

Tinned Iron.

Fig. A-1296.

"Gem" . . Per dozen, **$2 00**

"Picnic."

Wood with Porcelain Cup.

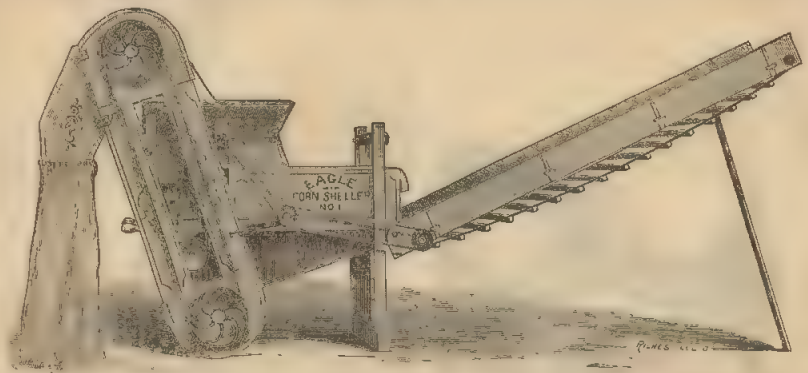
Fig A-1297

"Picnic" . . Per dozen, **$2 50**

Packed one-half gross in a case.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

THE EAGLE POWER CORN SHELLER, SEPARATOR AND CLEANER.



It is compact, strong, durable, and we believe it to be the best in the market. The frame is joined together with iron bolts, the shafts are heavy, the bearings are babbetted. The spikes are fastened into an iron cylinder with nuts and are easily replaced with new ones when worn out. These Shellers are made to run with belt. They are perfect cleaners, separating the cobs, chaff and dust from the corn, and leaving it in good condition for the market. We attach cob-carriers, when desired, to carry cobs from the Sheller. Also, elevators, to sack the corn as fast as shelled.

We make two sizes. No. 1 with a cylinder 14 inches long, capacity 90 to 120 bushels per hour. **Price at Shop, $100 00**

No. 2 with a cylinder 20 inches long, capacity 150 to 200 bushels per hour. **Price at Shop, 125 00**

PRICES OF ATTACHMENTS.

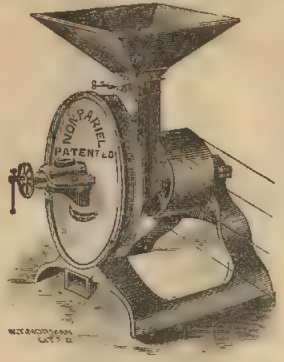
No. 1 Cob Carrier,	8 feet	long	$10 00
No. 1	" 10	"	12 00
No. 2	" 8	"	12 00
No. 2	" 10	"	15 00
No. 1 Elevator, for sacking			40 00

DIRECTIONS.

The Cylinder should run 1000 to 1100 revolutions per minute. The space between the Cylinder and Concave is regulated by the key-bolt with two nuts on, found at the front end of Cylinder at sides of Sheller. To move Concave toward Cylinder, screw up the two nuts on each side of Sheller. To drop the Concave, loosen the nuts. Keep the bearings well oiled, and with a sufficient power, the Sheller will serve you well.

SEDGEBEER'S PATENT

VICTOR NONPAREIL MILLS.



WEIGHT, CAPACITY AND POWER OF THE DIFFERENT SIZES.

No. OB FEED MILL, having a very large shute of about nine inches wide, is especially adapted for crushing and grinding Oil Cake, full size as it comes from the oil press; also, Corn in the ear and other large substances, such as Root Rhubarb, Charcoal and other Coal for facings, and is an excellent Mill for Distillers' use. Weight, 950 lbs. Price, - - - - - - - $200 00

No. O BONE MILL, 24-inch plate; pulley, 8 x 15; power, 8 to 10 horse, steam or water; runs 600 to 800 revolutions per minute; capacity, 3 to 5 tons per day; weight, 900 lbs. Price, $175 00

No. A BONE MILL, 16-inch plate; pulley, 6 x 10; 6 to 10 horse power; revolutions per minute, 800 to 1,200; capacity, 2 to 4 tons per day; weight, 400 lbs. Price, - - - - - $100 00

No. 1 NONPAREIL GRAIN MILL, 16-inch plate; pulley, 6 x 10; 6 to 10 horse power; revolutions per minute, 800 to 1,600; capacity, 10 to 30 bushels per hour; weight, 356 lbs; - Price, $75 00
Same Mill, with extended shaft and fly-wheel of 75 lbs., - - - - - - - - 84 00

No. 2 NONPAREIL GRAIN MILL, 13-inch plates; pulley, 5 x 10; 3 to 5 horse power, of any kind; revolutions per minute, 800 to 1,600; capacity, 6 to 18 bushels per hour; weight, 240 lbs. Price, - - - - - $58 00. Same Mill, with extended shaft and fly-wheel, $65 00

No. 3 NONPAREIL GRAIN MILL, 9-inch plates; pulley, 4 x 6; having tread or circular power of any kind, from 1 to 2 horse; weight, with fly-wheel, 150 lbs.; is intended for all Farmers, large or small. Price, with fly-wheel, - - - - - - - - - - - - $45 00

These Mills run equally well either way, are self-sharpening and VERY DURABLE, and are the best Power and Hand Mills for Farmers' use ever invented.

The grinding teeth of each plate are alike—raised up from the surface from one-eighth to three-sixteenths of an inch, and must be completely worn off before new plates are required, which are easily put in.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Square Side Lanterns.

Fig. A-1472

Size		Price each
No 0	Size of Glass, 5x9	$2 00
No 1.	Size of Glass, 6x10	2 25
No. 2.	Size of Glass, 8x12	3 00
No. 7	Size of Glass, 10x14	3 75
No. 8.	Size of Glass, 12x16	5 00

Triangle Side Lamps.

No. 9.	Size, 10x12	3 00
No 10.	Size, 12x16	4 50

Tapering Central Reflector Mill Lamps

Fig. A-1473

Size.		Price each.
No. 3.	Size, 13x18	$5 00
No. 3½.	Size, 15x20	6 00
No. 11.	Side, size, 15x20.	6 50

Square Central Reflector Mill Lamps.

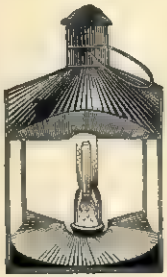


Fig. A-1474

Size.		Price each.
No. 4.	Size, 12x20	$6 00

Electric Railway and Mining Headlight.

Fig. A-1475

Fig. A 1476

Size			
9½ Inch Width in Front, 8	Inch Silver Plated Reflector, Spun Door	Price each,	$ 9 00
12 Inch Width in Front, 10½	Inch Silver Plated Reflector, Spun Door.	"	10 00
12 Inch Width in Front, 10½	Inch Silver Plated Reflector, Cast Marine Hinge Door, Unfinished	"	12 00
12 Inch Width in Front, 10½	Inch Silver Plated Reflector, Cast Marine Hinge Door, Finished	"	13 50
14½ Inch Width in Front, 12	Inch Silver Plated Reflector, Spun Door	"	22 00
17½ Inch Width in Front, 14	Inch Silver Plated Reflector, Spun Door	"	26 00
20½ Inch Width in Front, 17	Inch Silver Plated Reflector, Spun Door.	"	35 00

Headlights.

Corrugated Octagon Reflector Headlights.

Fig. A–1477.

Size.	Price each.
No. 5. Width in Front, 12 Inches	$ 6 00
No. 6. Width in Front, 16 Inches	11 25

Locomotive and Mining Headlights.

Fig. A–1478.

Size.	Price each
14½ Inches Wide in Front,	$30 00
17 Inches Wide in Front,	40 00
20½ Inches Wide in Front,	50 00
24 Inches Wide in Front,	65 00

Cable and Electric Car Oil Headlight.

Fig. A–1479.

Size.	Price each.
Width in Front, 12 Inches	$20 00

Fire Engineers' Stage and Wagon Headlight.

Fig. A–1480.

Size.	Price each
6 Inches Diameter of Glass,	$12 00
8 Inches Diameter of Glass	15 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Clocks.

10 and 12 Inch Drop Octagon R. C.
Oak or polished veneered.

Fig. A–3993.

	10 inch.	12 inch.
Eight Day Time	$5 90	$6 10
Eight Day, Half Hour Strike	6 90	7 10
Eight Day, Strike, Alarm	7 40	
Eight Day Time, Calendar	6 40	6 60
Eight Day, Half Hour Strike, Calendar	7 40	7 60

Height 21 inches, 10 inch dial.
Height 23½ inches, 12 inch dial.

Bahia.

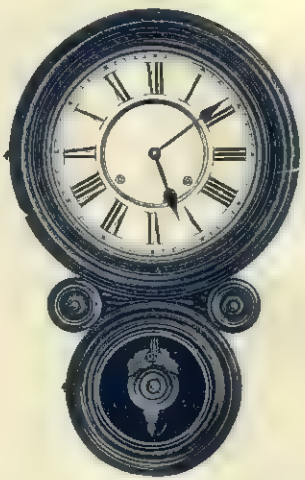


Fig. A 3994.

Eight Day Time, Rosewood	$6 60
Eight Day, Half Hour Strike, Rosewood	7 60
Eight Day, Strike, Gilt Frames	9 50

Dial 10 inches, height 22 inches.

Engine Lever.

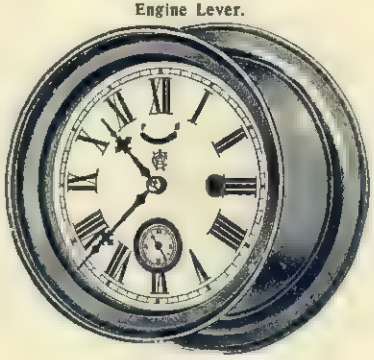


Fig. A–3995.
Brass or nickel.

One Day Time $4 80

Silver dial 6 inches. Measures across the back 7½ inches.

Ship's Bell Clock.

Thirty Hour Lever, Strike Movement, Striking from One to Eight Bells. Dial 6 Inches, Nickel Frame and Bell, Bell 4 Inches in Diameter, Height 10½ Inches $9 00

Lever Clocks.

Fig. A-3991.

Round.

Brass, Nickel, Oak, Walnut.

4 Inch Face, Measures across the Back 7½ Inches.
6 Inch Face, Measures across the Back 10 Inches.
8 Inch Face, Measures across the Back 12 Inches.

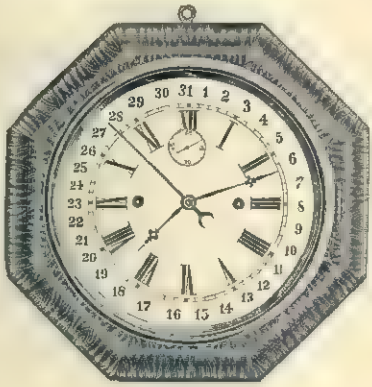


Fig. A-3992.

Octagon.

Polished, Veneered

4 Inch Face, Measures across the Back 6¾ Inches.
6½ Inch Face, Measures across the Back 8⅞ Inches.
8 Inch Face, Measures across the Back, 10¾ Inches.
10 Inch Face, Measures across the Back 13⅜ Inches.
12 Inch Face, Measures across the Back 15¾ Inches.

One Day, 4 Inch Dial, Time	$2 50
One Day, 6 Inch Dial, Time	3 40
One Day, 6 Inch Dial, Time Alarm	4 00
One Day, 6 Inch Dial, Strike	4 00
One Day, 8 Inch Dial, Time	4 00
One Day, 8 Inch Dial, Time Alarm	4 60
One Day, 8 Inch Dial, Strike	4 60
One Day, 10 Inch Dial, Time, Octagon Only	4 80
One Day, 10 Inch Dial, Strike, Octagon Only	5 40
Eight Day, 6 Inch Dial, Time	4 40
Eight Day, 8 Inch Dial, Time	5 10
Eight Day, 8 Inch Dial, Strike	7 10
Eight Day, 10 Inch Dial, Time, Octagon Only	5 70
Eight Day, 10 Inch Dial, Strike, Octagon Only	7 70
Eight Day, 12 Inch Dial, Time, Octagon Only	6 30
One Day, 8 Inch Dial, Strike, with Calendar	5 50
One Day, 10 Inch Dial, Strike, with Calendar, Octagon Only	5 90
Eight Day, 8 Inch Dial, Time, with Calendar, Octagon Only	5 60
Eight Day, 10 Inch Dial, Time, with Calendar, Octagon Only	6 20
Eight Day, 10 Inch Dial, Strike, with Calendar, Octagon Only	8 20
Eight Day, 12 Inch Dial, Time, with Calendar, Octagon Only	6 80
Eight Day, 12 Inch Dial, Strike, with Calendar, Octagon Only	8 80

When ordering, state whether brass, nickel, round wood or octagon, is wanted.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Tobacco Cutters.

Enterprise Champion.

No. 1 Enterprise Champion [illegible] Per Dozen [illegible]

[illegible]

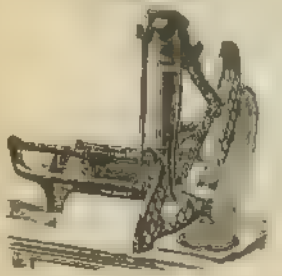
Enterprise Champion

No. 10—Enterprise Champion Tobacco Cutters [illegible] Per Dozen [illegible]

[illegible]

Smoked Beef Shavers

Enterprise



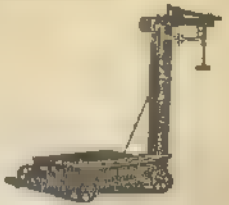
Bone, Shell and Corn Mills

Enterprise

No. 1—Enterprise Improved Smoked Beef Shavers, Tinned, Each [illegible]
" 760—" " Bone Shell and Corn Mills, Height 17½ in., Weight 40 lbs.,

Buffalo Scales.

Platform Scales with Brass Sliding Poises



With Wheels

No.			Each
82	Capacity 400 lbs.	Platform 27 × 16 in.	$
83	"	"	
84	"	"	43
86	"	"	45
86	"	"	65
87	"	"	75

With Wheels and Drop Lever.

No.			Each
94	Capacity 200 lbs.	Platform 25 × 14 in.	$
95	" 1250 lbs.	" 28 × 20	
96	" 1650 lbs.	" 32 × 21	
97	" 2500 lbs.	" 32 × 25	
98	" 3500 lbs.	" 35½ × 24½	
99	" 3000 lbs.	" 36 × 30	

Combination Beam Platform Scales.

No. 100.

Dormant Scales.

No. 104.

No. 101 Combination Beam Platform Scales, capacity 600 lbs. Platform 24 × 14 in., with Wheels, Brass Sliding Poise. Each, $

" **105**— Dormant Scales, Double Beam, Two Poises, Capacity 2500 lbs., Platform 37 × 46 in., Brass Sliding Poises, " "

Scale Weights.

For Even Balance Scales

Cast Iron, Japanned, Each,	½ oz.	1 oz.	2 oz.	4 oz.	8 oz.	1 lb.	2 lb.	4 lb.	8 lb.
	$								

For Grocers' Scales

Cast Iron, Japanned, Each	2 lb. $	4 lb.	10 lb.	50 lb.

For Improved Iron Scales

Cast Iron, Japanned, Each.	5-40 lbs. $	60 lbs.

For Platform Scales

Cast Iron, Japanned, Each,	50 lbs. $	100 lbs.	200 lbs.	300 lbs.	500 lbs.

"Excelsior" Chests and Tools.

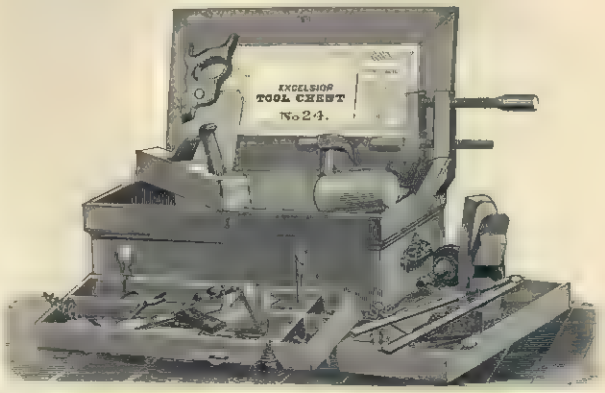


Fig. A-1004.

These Chests are made from the best selections of young growth Chestnut, trimmed with heavy Black Walnut mouldings with sliding Drawers and Tills, with fancy lifting Handles, Lock and Key, all complete. Tools all first-class.

No. 20. Chest and Tools.

Price $5 00

Size, 14 inches long, 6½ inches wide, and 5 inches deep.
Contains 20 tools, as follows:—

1 Smoothing Plane,
1 Claw Hammer,
1 Polished Mallet,
Try Square,
2 Brad Awls [Handled],
1 Saw File and Handle,
1 Pair Flat Nose Pliers,
2 Nail Gimlets,
1 Marking Awl,
1 Hand Saw,
1 Hatchet,
1 Marking Guage,
1 Screwdriver,
2 Chisels and Handle,
1 Hickory Hand Screw,
1 Leadpencil,
2 Four Fold Rule, one foot long

No. 22. Chest and Tools.

Price $9 00

Size, 18 inches long, 8½ inches wide, and 6½ inches deep.
Contains 33 tools, as follows.—

1 Smoothing Plane,
Shingling Hatchet,
1 Ball Brace,
1 Four Fold Foot Rule,
Try Square,
1 Cabinet File [Handled],
1 Claw Hammer,
1 Pair Flat Nose Pliers,
2 Brad Awls [Handled],
1 Japanned Oil Can,
1 Hindoo Oil Stone,
1 Pair Carpenters' Pincers,
2 Nail Gimlets [Assorted],
1 Screwdriver Bit,
1 Hand Saw [Filed and Set]
1 Hickory Mallet,
2 Double Cut Bits,
1 Hickory Hand Screw,
3 Firmer Chisels [Polished Handles],
1 Marking Gauge,
1 Saw File [Handled],
1 Screwdriver,
1 Marking Awl [Handled],
1 Leadpencil,
1 Nail Punch
1 Pair Compasses
1 Pocket Level.

No. 24. Chest and Tools.

Price $16 50

Size, 21 inches long, 10½ inches wide, and 8½ inches deep.
Contains 60 tools, as follows.—

1 Smoothing Plane,
1 Hickory Mallet,
1 Marking Gauge,
1 Hand Saw [Filed and Set],
1 Chalk Line Reel, with Awl,
1 Leadpencil,
2 Brad Awls [Handled]
1 Pocket Level,
Brad Awl Set [10 tools],
Two Foot Rule,
Hickory Hand Screw,
1 Hindoo Oil Stone,
Pair Compasses,
1 Pair Flat Nosed Pliers,
Cabinet Drawing Knife,
1 Marking Awl [Handled],
Bench Screw,
1 Jack Plane
1 Shingling Hatchet,
1 Claw Hammer,
1 Ball Brace,
1 Saw File [Handled]
1 Nail Punch,
1 Pair Carpenters' Pincers,
1 Try Square,
4 Firmer Chisels [Polished Handles],
1 Japanned Oil Can,
1 Screwdriver,
3 Nail Gimlets [Assorted],
4 Brace Bits [Assorted],
1 Screwdriver Bit,
1 Chalk Line,
1 Plated Corkscrew.

No. 21. Chest and Tools.

Price $7 00

Size, 16 inches long, 7½ inches wide, and 5½ inches deep.
Contains 25 tools, as follows.—

1 Smoothing Plane,
2 Shingling Hatchet,
1 Marking Gauge,
1 Try Square,
2 Brad Awls [Handled],
1 Marking Awl [Handled],
1 Pair Flat Nose Pliers,
1 Saw File [Handled]
3 Nail Gimlets [Assorted]
1 Pair Carpenters' Pincers,
1 Chalk Line Reel,
1 Hand Saw [Filed and Set],
1 Claw Hammer,
1 Hickory Mallet,
1 Screwdriver,
1 Leadpencil,
1 Marking Awl [Handled],
9 Firmer Chisels [Polished Handles],
1 Cabinet File [Handled],
1 Hickory Hand Screw
1 Four Fold One Foot Rule,
1 Nail Punch

No. 23. Chest and Tools.

Price $12 00

Size, 19½ inches long, 9½ inches wide, and 7½ inches deep.
Contains 46 tools, as follows.—

1 Hand Saw [Filed and Set],
1 Pair Flat Nose Pliers,
4 Firmer Chisels [Polished Handles],
1 Hickory Mallet,
6 Brace Bits [Assorted],
1 Claw Hammer,
1 Hickory Hand Screw,
1 Pair Carpenters' Pincers,
1 Chalk Line,
1 Japanned Oil Can,
2 Saw Files [Handled],
2 Brad Awls [Handled],
1 Leadpencil,
1 Nail Punch [Assorted]
1 Pair of Compasses
1 Cabinet Drawing Knife,
1 Bench Screw,
1 Try Square,
1 Cabinet File
1 Jack Plane
1 Ball Brace
1 Shingling Hatchet,
1 Nail Punch,
1 Chalk Line Reel,
1 Hindoo Oil Stone
1 Marking Gauge
1 Two Foot Rule
1 Pair Compasses
1 Marking Awl [Handled],
2 Sewing Awls [Handled],
1 Screwdriver
1 Pocket Level,
1 Screwdriver Bit.

No. 25. Chest and Tools.

Price $24 00

Size, 25 inches long, 11½ inches wide, and 9½ inches deep.
Contains 70 tools, as follows.—

1 Hand Saw [Filed and Set]
1 Panel Saw [Filed and Set]
Smoothing Plane,
1 Hickory Hand Screw,
1 Nail Gimlets [Assorted],
1 Try Square,
1 Leadpencil,
1 Two Foot Iron Square,
Brad Awl Set [10 tools],
1 Claw Hammer,
1 Marking Gauge,
1 Pair Flat Nose Pliers,
Hindoo Oil Stone,
1 Chalk Line Reel, with Awl,
1 Light Inch Screwdriver,
1 Cabinet File Handled],
2 Brad Awls [Handled],
1 Pocket Level,
1 Marking Awl [Handled],
1 Plated Corkscrew,
1 Two Foot Rule,
1 Half Inch Augur Bit,
1 Shingling Hatchet,
1 Ball Brace,
1 Pair Compasses,
1 Saw File [Handled],
6 Firmer Chisels [Polished Handles],
1 Jack Plane,
1 Hickory Mallet,
4 Brace Bits [Assorted],
1 Nail Punch,
1 Six Inch Screwdriver,
1 Japanned Oil Can,
5 Pair Carpenters' Pincers,
1 Screwdriver Bit,
1 Wood Rasp [Handled],
9 Sewing Awls [Handled],
2 Chalk Line,
1 Cabinet Drawing Knife,
1 Bench Screw

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Horseshoers' Tools.

Heller Bros.

Clinch Tongs.

Fig. A–2313.

14 Inches . . . . . Per dozen, **$22 00**

One-half dozen in a box.

Forging Tongs.

Fig. A–2314.

12 to 17 Inches . . . . . Per dozen, **$5 00**

Packed in bulk.

Pincers.

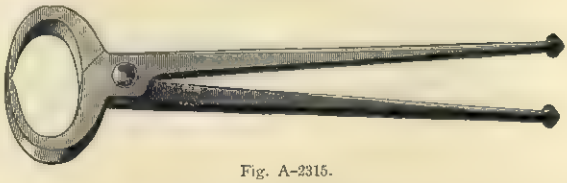


Fig. A–2315.

J. I. C., 14 Inches . . . . . Per dozen, **$24 0 0**

One-half dozen in a box.

Cutting Nippers.

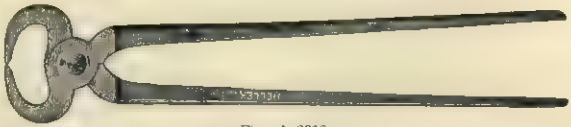


Fig A–2316.

12 Inches . . . . . Per dozen, **$20 00**
14 Inches . . . . . " **24 00**

One-half dozen in a box

Hoof Parers.

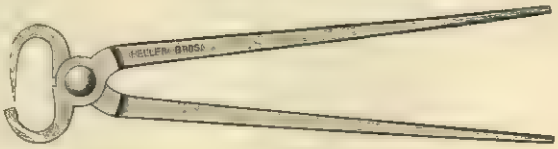


Fig. A–2317.

12 Inches . . . . . Per dozen, **$20 00**
14 Inches . . . . . " **24 00**

One-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Putnam's" Farriers' Shoeing Pincers.

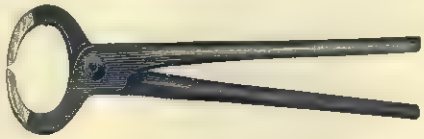


Fig. A-2318.

Polished Jaws and Warranted. Solid Hammered Cast Steel.

	Sizes, Inches,	10	12	14
Per dozen		$9 00	10 00	15 00

One-half dozen in a box.

"Putnam" Hoof Nipper.

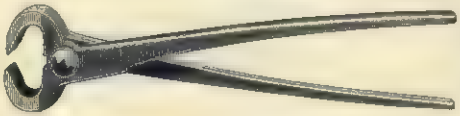


Fig. A-2319.

Solid Cast Steel and Warranted of Extra Quality.

14 Inches Long . . . . . Per dozen, **$28 00**

"Globe" Hoof Nipper.

Fig. A-2320

Solid Steel.

14 Inches Long . . . . . Per dozen, **$18 00**

One-half dozen in a box.

Horse Shoers' Tools.

Heller Bros.'

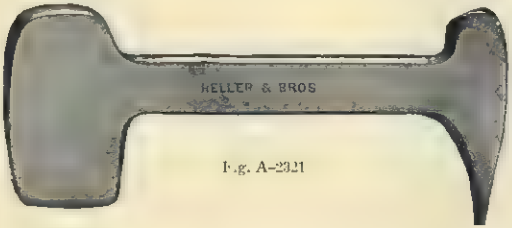


Fig. A-2321

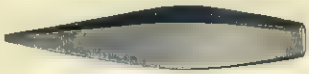


Fig A-2322.

Buffer . . . . . Per dozen, **$5 00**

Fore Punch . . . . . Per dozen, **$4 50**

Packed in bulk.

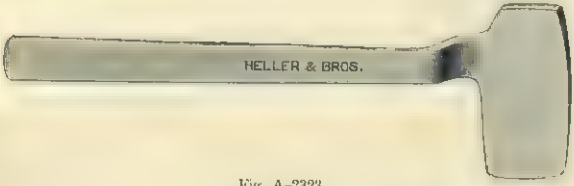


Fig A-2323.

Fig. A-2324.

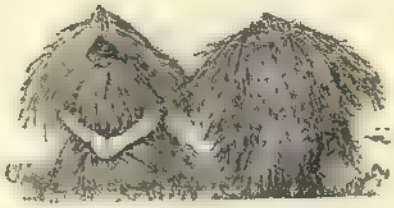
Sole Knife . . . . . Per dozen, **$5 00**

Creasers . . . . . Per dozen, **$5 00**

Packed in bulk.

GRASS SUITS AND BLINDS.

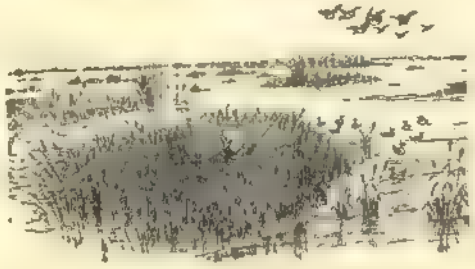
HUNTING SUITS.



For wild goose, duck and all kinds of shore bird shooting; made of long, tough marsh grass, into cape coat with hood. Weigh less than four pounds, are convenient to wear and shoot from. Make good waterproofs in rainy weather, are easily packed and carried. Hunters appreciate the value of these suits, as no blind or bough house is necessary when shooting on marshes.

Grass Hunting Suits, - - - - - - - - - - - - - - each $1.50

SHORE BLINDS.



BOAT BLINDS.

Grass Shore Blinds, size 6×3 ft., - - - - - - - - - - - - - per piece $1.50

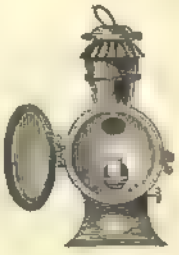
More convenient for certain kinds of shooting than a grass suit, as it can be made as large as desired and give ample room for a comfortable seat. Are supplied with sticks to be fastened to the blinds, which can be set up anywhere. Usually two pieces make a blind.

Grass Boat Blinds, size 5 ft. 10 in. × 27 in., - - - - - - - - - - - - per piece $1.50

Made to resemble wild rice, rushes, marsh grass, etc., are light in weight, each piece rolling in a small roll. Each piece is supplied with sticks which fit into screw eyes screwed in rail of boat, making them easily adjusted. Usually four pieces are sufficient to go around an ordinary boat. Some use blinds only on one side of boat.

HUNTING AND OUTDOOR LAMPS.

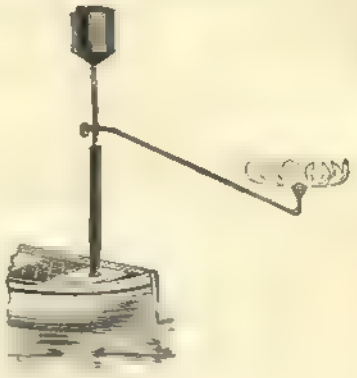
HUNTING.



No. 357–Ferguson's, black japanned, height 8½ in., depth 2¾ in., face 3¾ in., weight 17 oz., without head attachment, - each $10.00

No. 358–Same, with head attachment - " 13 50

OUTDOOR.



No 1. Baker

No 0. Chicago.

No. 1–Baker, 1 burner, - - - - each $3 40
No. 0–Chicago, 1 gallon tank, 1 burner, - " 3 00
No. 2 Chicago, 2 gallon tank, 2 burners, " 4.50
Burners for Baker lamps, - - - " 1.50
Burners for Chicago lamps, - - - " 1.10

Lawn Sprinklers.

Stott's Common Sense.

(Patented.)

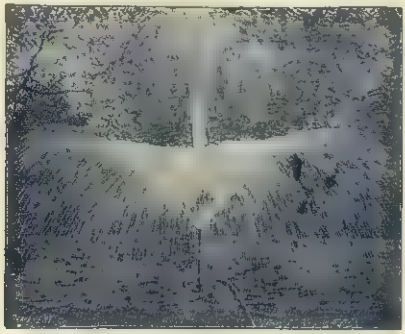


Fig. A-3339.

There are no moving parts to get out of order, no arms to get bent, stopped up, etc. The sprinkler may be cleaned in a moment, should it become choked, by simply loosening the nut; the force of the water will drive out any dirt that has accumulated. While the water effect is very large, the spray is so fine that but little water is used; the diameter of the circle wet will vary with the pressure; good to heavy pressure, will wet a circle 20 to 40 feet in diameter.

Per dozen $24 00

One dozen in a box.

"Ball Nozzle."

"The ball does it all!" No back pressure, nothing to break, natural rain, no mist and nothing out of order. Makes a beautiful fountain, and with ordinary pressure will cover a circle of about forty feet. The water pressure will not displace the ball, though there is nothing to hold it in position

Fig. A-3340.

No. 3. ¾ Inch Combination Ball Nozzle.

Fig. A-3340.

	Per dozen.
No. 3. Combination, Straight Stream, Spray and Shut-off Nickel-plated on Brass	$18 00

Fig. A-3341.

No. 6. Ball Nozzle Lawn Sprinkler with Japanned Stand, Aluminum Elbow and Top	18 00

Packed one in a box.

Fig. A-3341

No. 6. ¾ Inch Ball Nozzle Lawn Sprinkler.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hose Pipes.

Hose Pipe, Plain, Screw Tip.

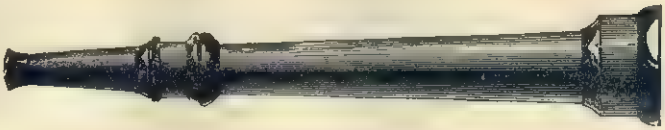


Fig. A–3333.

Size Coupling, Inch,	¾	1	1¼	1½	2
Length, Inch,	8	8	12	12	12
Per dozen	$8 00	10 00	20 00	25 00	38 00

Hose Pipe, Cock Large End.

Fig. A–3334.

Size Coupling, Inch,	¾	1	1¼	1½	2
Length, Inch,	8	8	12	15	20
Per dozen	$13 00	15 00	40 00	60 00	110 00

"Boss" Hose Pipe.

Fig. A–3335.

This Pipe throws a spray by a direct stream with no cone or groove to retard it, and a round solid stream by simply turning the cock. All the pipes are nickel plated.

¾ Inch **"Boss"** Hose Pipe . . . . . Per dozen, **$4 20**
1 Inch **"Boss"** Hose Pipe . . . . . Per dozen, **7 80**

Hose Sprinkler.

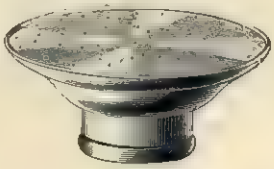


Fig. A 3336.

Size, Inch,	1½	2	2½	3	3½	4
Per dozen,	$3 50	$4 50	6 00	9 00	12 00	18 00

Hose Spray Pipes.

Gem Spray Hose Pipes.

Fig. A–3337.

Brass.

A graduating nozzle which will throw a large or small solid stream, a coarse or fine spray, and has a perfect shut-off all combined in one movement. A variety of forms of spray can be produced, from a fine mist to a heavy shower, and covering either a small or a large space.

Hose Pipes, for ¾ Inch Hose . . . . . Per dozen, **$3 60**

"Magic" Spray Hose Pipe.

Fig. A–3338.

With the Magic Hose Pipe or Nozzle an infinite variety of sprays can be produced, varying from a fine mist to the full volume of the solid stream, including a pulsating or flickering spray peculiar to this pipe.

"Magic" Hose Pipes, for ¾ Inch Hose . . Per dozen, **$7 20**
"Magic" Hose Pipes, for 1 Inch Hose . . Per dozen, **9 00**

Revolver Pockets.

No. 32.—Russet Leather Pockets for 32 Caliber Revolvers, ... Per Dozen, $
" 38— " " " " 38 " " . . . . . "

Flobert Rifles.

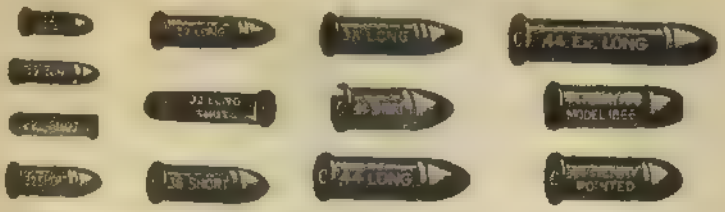
Remington Action

No. 1326F. Oiled Stock, Polished Blued Barrel, Rifled, Checkered Pistol Grip, Fancy Scroll Guard, . Each, $

Warnant Tip-up Action

No. 1556F. Oiled Stock, Polished Blued Barrel, Rifled, Checkered Pistol Grip, Fancy Scroll Guard, . Each, $

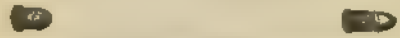
Rim Fire Cartridges.



No.	Size.	Per 000	Grains Powder	Weight of Ball	Length of Case
22S	22 Short				
22L	22				
22Lb	22 Short Cartridge				
32S	32				
32L	32 Short Cartridge				
38S	38 Short				
38L	38 Long				
44	Short				
44L	44 Long, for Ballard, Stevens and other Rifles				
44WH	44 Prepared for Winchester Model 1866				
44PH	44 Pointed for				

44	44	Grains	30		
42	42		30		
41	41				
	40		32		
	38		28		
	32		15		
	30				
38	38		18		
38	38		21		
32	32		14		
32	32		28		
32	32		46		
32	32		93		
32	32		76		

Bullet Breech Caps.



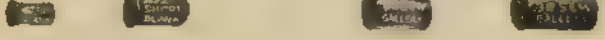
No. 22BB 22 BB Caps, Round Ball, adapted to Pocket and other Rifles. Per 000

" 22CB 22 " Conical, " " " "

One Hundred in a Box. Ten Thousand to a Case.

Blank Cartridges

Rim Fire. Central Fire.



No. 22B —22 Blank Rim Fire Cartridges. Per 000

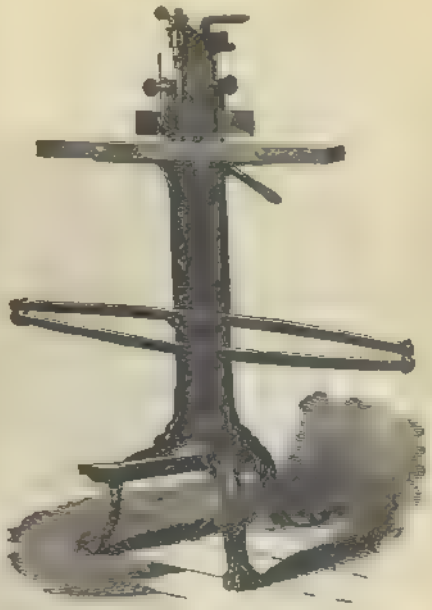
" 32B —32 " " " "

" 32BSW —32 " B. & W. Central Fire "

" 38BSW —38 " " " "

Mortising Machines.

Barnes' Improved



No. 220—Barnes Mortising Machine, without Chisels, Weight 150 lbs. . . . . Each, $

This Machine contains all the features necessary in a perfect Mortising Machine. It has great range for work power on the Chisels, accurate and simple Adjustments, which are easily and quickly made. Except the Supplementary Table, Springs and Treadle, the Machine is made entirely of Iron and Steel.

Self Cleaning Mortising Machine Chisels.

Barnes Mortising Chisels, ⅛, 3/16, ¼, 5/16, ⅜, ½, ⅝, ¾, 1 in., . Each, $

Cuts Made by Former Knives.

Nos. A to M.

For Prices of Former Knives, See Page 405

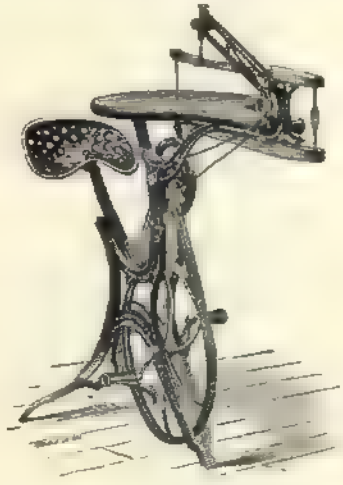
WOOD-WORKING MACHINERY.

SCROLL SAWS.

No. 7–Complete with 1 dozen saw blades, each $15.00

This machine is designed for practical service in the workshops of carpenters and builders, cabinet makers and other wood-workers. With saw prepared for quick work it will saw pine 3 in. thick 1 ft. per minute; 1 in. thick, 4 ft. per minute. The ordinary rate of speed when sawing is from 800 to 1,200 strokes per minute. The saw leaves the work as smooth as it is possible for any saw to do, and can be taken out and replaced in an instant for inside work. The swing around the blade, under the arm, is 24 in. The length of the blade is 7 in. The table and arms are made of hard maple. The frame is made of cast-iron, strong, yet light. The balance-wheel runs on a steel arbor. The machine weighs 55 lbs. Boxed ready for shipment it weighs 80 lbs.

VELOCIPEDE SCROLL SAWS.

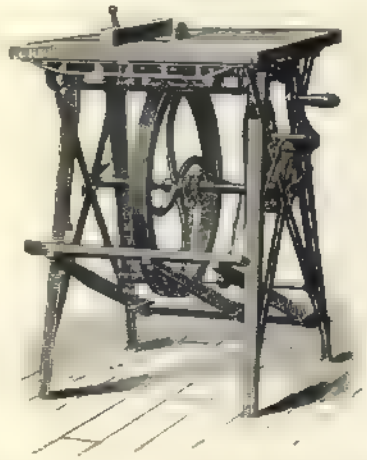


No. 2–With 1 dozen blades (without attachment), - - - - - - - - - - - - each $18.00

No. 2 With boring attachment, - - - " 20.00

The swing around the blade, under the arm, is 24 in. The length of the blade is 7 in. The table and arms are of hard maple. The frame is of cast-iron. The balance and drive wheels run on steel arbors. The machine weighs 90 lbs. Boxed ready for shipment, it weighs 130 lbs. The boring attachment can be furnished at any future time, if not desired when ordering the machine. One $\frac{1}{4}$ bit is included with the boring attachment. We can furnish extra bits at the following prices each: $\frac{1}{16}$, 15c; $\frac{5}{32}$, 15c, $\frac{1}{8}$, 20c; $\frac{3}{16}$, 20c; $\frac{1}{4}$, 25c; $\frac{5}{16}$, 30c. 35c

COMBINED CIRCULAR AND SCROLL SAWS.



Circular Saw only (2 saws), without attachments, - - - - - - - - - - - - each $35 00

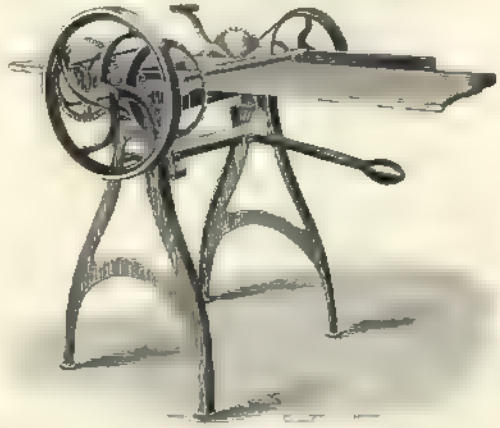
Scroll Saw Attachment (1 dozen saws), extra, - - - - - - - - - - - - each 5 00

Boring Attachment, with drill chuck, extra, each - - - - - - - - - - - - - - 10 00

Combined Machine, complete with attachments, - - - - - - - - - - - - each 50.00

This machine combines a circular and scroll saw, the circular saw being the machine proper, with the scroll saw as an attachment. We are therefore prepared to furnish the machine with or without the scroll saw, as may be preferred. Neither the circular nor the scroll saw interferes in the slightest degree with the successful operation of the other. The capacity of the scroll saw is the same as that of No. 7 saw. The table can be handily adjusted up or down by a cam, to allow any desired depth of cut being made by the saws or cutter tools. The circular saws are 6 in. in diameter, and reach 1$\frac{5}{8}$ in. above the table.

HAND CIRCULAR RIP SAWS.



Hand Circular Rip Saw, complete with two 10 in. saws, - - - - - - - - - - - - each $50.00

This machine will rip boards or planks of either soft or hard wood, of any thickness up to 3¼, and of any width up to 19 in. The rollers are self-adjusting to thick, thin, or uneven lumber. The saw can be instantly set to or from the gauge to any width desired. Rabbets, bevels, tenons etc., can be cut to advantage, and by using two saws side by side, grooving for windows and door stops etc., can be done. We furnish an extra saw for this purpose with each machine. The saws are 10 in. in diameter. The machine complete weighs 190 lbs. Boxed ready for shipment, it weighs 275 lbs.

Revolvers.

Forehat l and Wadsworth's Safety Hammer

Central Fire, Double Action, Rebounding Lock

No. 1235—32 Caliber, S. and W. Cartridge [illegible] Barrel, Rubber Handle [illegible] Plated, Each $

" 1238—38 " " " " " " " " " "

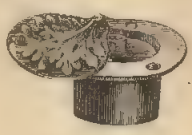
ONE IN A BOX

STOOL PIVOTS.

No. 2.

No. 2, for Office Stools, 9 inches long, ... per dozen, $3 00

INK STANDS—for School Desks.



Complete with Bottles, ... per dozen, $3 00
Extra Bottles, if ordered, ... " 50

HEAD BOARD HOOKS AND SCREWS

Malleable, per set, 4 confections, for one Bedstead, Coppered, ... 12 cents.
Common Cast, ... 10

☞Common cast are usually labeled "Malleable." Ours, labeled malleable, *are* malleable.

Razor Cases.

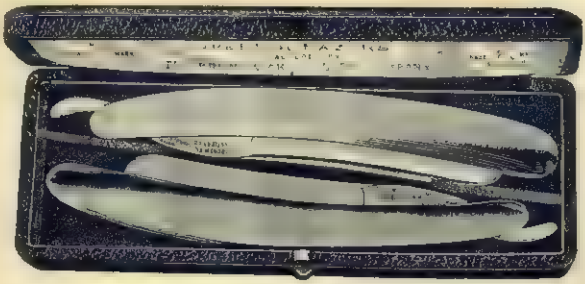


Fig. A–4366.

No. 25. Razor Case, for Two Razors (Cases Only), Leather Covered, Plush Lined . . . . . Each, **$2 00**

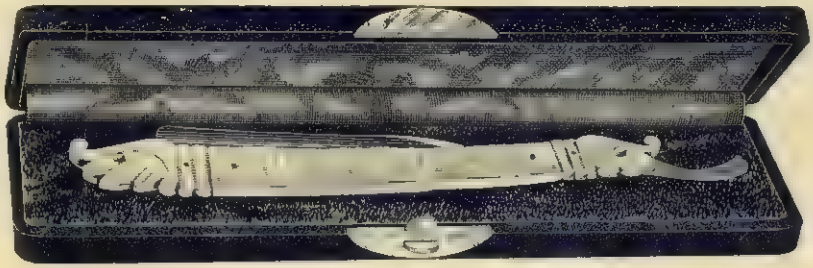


Fig. A–4367.

No. 30. Razor Case, for One Razor (Cases Only), Leather Covered, Plush Lined . . . . . Each, **$1 75**

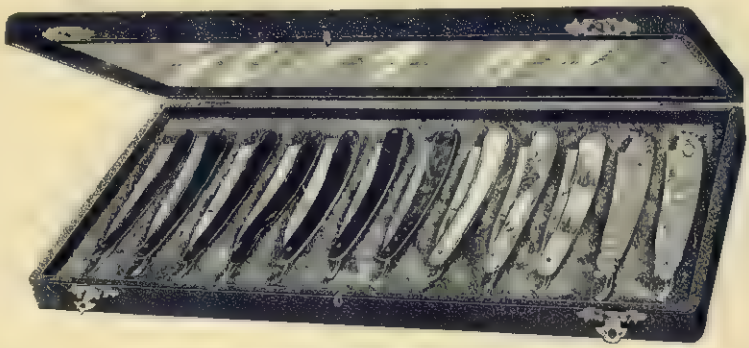
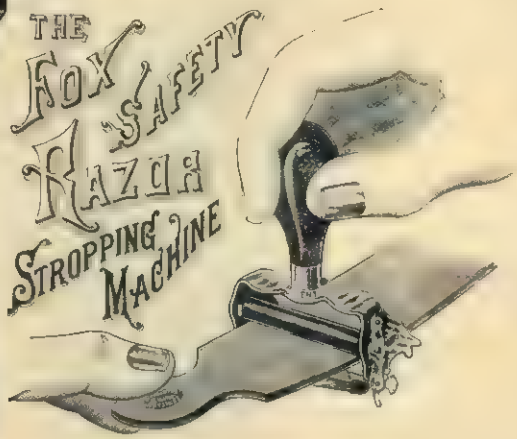


Fig. A–4368.

This display case is leather covered and plush lined, in a variety of colors. It has a glass top, and it is an ornament. It has a complete assortment of twelve styles of Brunswick Razors, each of which is fully warranted.

We give the case with a customer's first order for the assortment of one dozen Razors.

Fox Safety Razors.



No. 1

Fig. A–4364.

No. 12. Set Complete; Outfit, Including Razor Stropping Machine and Strop, Complete, in a Neat Case . . . . Each, $3 75
No. 1. Stropping Machine and Strop Only . . . . . " 1 75

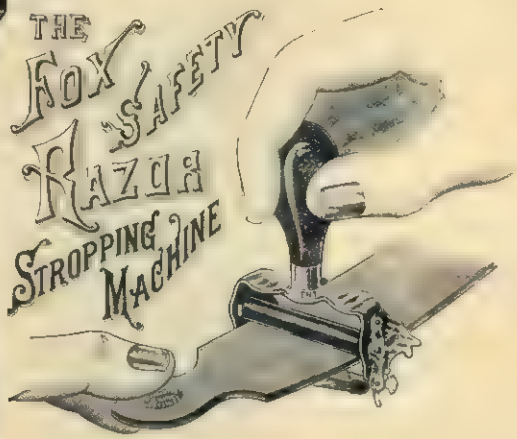
Fig. A–4365.

No. 8. **The Combination.** A Fine Morocco Leather Case, with Colored Chamois Skin Lining, Containing Complete Safety Razor, with Two Extra Blades, Stropping Machine and Strop . . . . . Per dozen, $54 00
No. 9. **The Extra.** The Same Case as No 8, but with Six Extra Blades 78 00

Above cut shows No. 9.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Fox Safety Razors.



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Above cut shows No. 9.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Razor Cases.

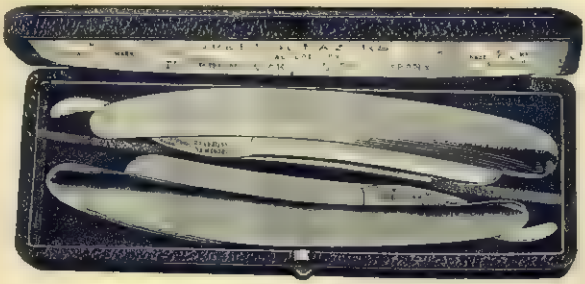


Fig. A–4366.

No. 25. Razor Case, for Two Razors (Cases Only), Leather Covered, Plush Lined . . . . . Each, **$2 00**

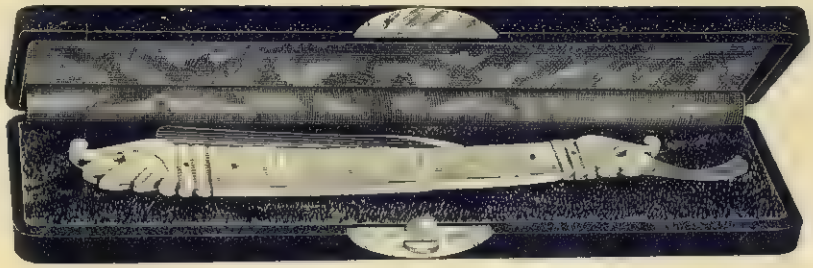


Fig. A–4367.

No. 30. Razor Case, for One Razor (Cases Only), Leather Covered, Plush Lined . . . . . Each, **$1 75**

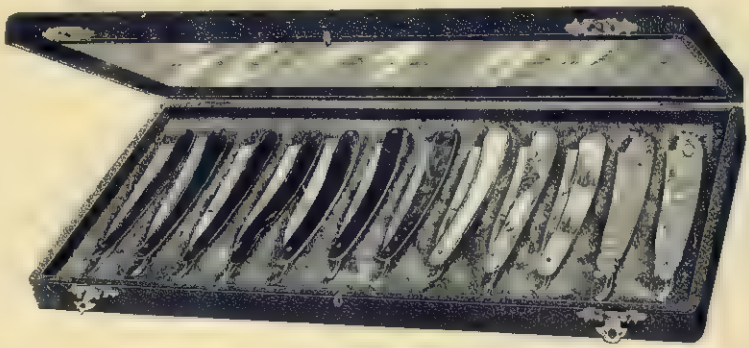
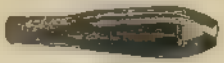


Fig. A–4368.

This display case is leather covered and plush lined, in a variety of colors. It has a glass top, and it is an ornament. It has a complete assortment of twelve styles of Brunswick Razors, each of which is fully warranted.

We give the case with a customer's first order for the assortment of one dozen Razors.

Gas Heaters

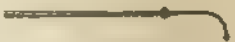


No. 10—Gas Heaters, ... Each, $

For Tempering Drills, Punches, Chisels, Small Tools, etc

Blow Pipes

Nos. 10 and 12.



Nos. 010 and 012

No. 10—10 in. Brass Blow Pipes, Plain . . . . . Per Dozen $
" 12—12 in. " " " . . . . . "
" 010—10 in. " " with Ball . . . . . "
" 012—12 in. " " " . . . . . "

Alcohol Blow Lamps.

Nos. 1 and 2.

Automatic Torches, or Paint Burners.

No. 5

No. 1—Self-Acting Alcohol Blow Lamps, Copper Cup and Lamp, Diameter 2½ in., Height 5½ in., Per Dozen $
" 2— " " " " 3 " " 6½ " " "
" 5—Automatic Torches, or Paint Burners, Brass, with Air Pump and Adjustable Burner, . . "

Miners' Lamps

Common.

No. 3.

Screw Top.

No. 2

Frostburg's

No. 12

No. 3—Common, or Hinge Top Miners' Lamps, ... Per Gross, $
" 2—Screw Top Miners' Lamps, ... "
" 12—Frostburg's " " Heavy Screw Hinge Top, Large Spout, . . . "
" 13— " " Drivers " " " " " "

One Twelfth Gross in a Box

Furnace Lamps.

No. 1 Furnace Lamp [illegible] Price [illegible] Per Dozen [illegible]

Made [illegible] No. 1 Furnace [illegible]

Factory Lamps.

No. 1 [illegible] Lamp. Made [illegible] Tin Plate [illegible]

[illegible] Tinned [illegible]

Per Dozen [illegible]

Half Dozen in a Box

Street Lamp Posts and Lanterns.

FOR GAS, GASOLINE OR COAL OIL.

CAST IRON LAMP POSTS.

FLUTED, PLAIN AND ORNAMENTED,

At prices proportionate to their weight, and suited for any style of Lantern.

COMBINATION

GLOBE

Street Lamp

HANDSOMER THAN THE SQUARE LANTERNS.

COSTS LESS FOR REPAIRS.

Can be used for GAS, GASOLINE, or COAL OIL, With but slight changes.

We invite correspondence from corporations and others wanting an out-door light for *Streets, R. W. Stations, Lawns, Drives, Summer Hotels, etc.* Wherever practicable, we will send a sample Lamp to corporations on trial.

STERLING SILVER CUPS AND FANCY GOODS.

PRICES EACH.

Cuts of Cups two-thirds size, all others full size.

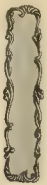
No. 1. Scarf Holder, Bright Finish.....$0 75

No. 17. Scarf Holder, Bright Finish. $1 00

No. 1. Coat Chain.....$1 00

No. 100. Mustache Comb, Bright Finish.....$5 70

No. 10. Bag Tag.... .....$1 50
Satin Finish.



No. 6. Hat Mark...$0 50
Satin Finish.

No. 1 Shoe Hook, Bright Finish, Steel Hook....$3 75

No. 7. Glove Buttoner....$1 10
Steel Hook.

No. 1. Bag Tag ...$1 00
Satin Finish.

No 76 Child's Cup Satin Finish...$18 00

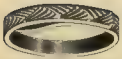
No. 41. Child's Cup, Satin Finish...$13 00

No 93 Child's Cup, Satin Finish. .$16 00

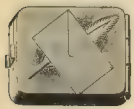
STERLING SILVER MATCH BOXES, ETC.

PRICES EACH.

No. 556. Glove Darner, Satin Finish $2 75



No 150. Key Ring . $2 00

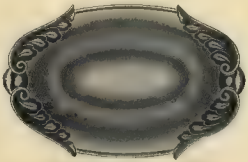


No. 96. Stamp Box, Etched. $5 00

No. 28. Tea Strainer..... ...$5 00

No. 24. Rattle, Ivory Ring. $5 50

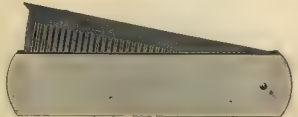
No. 158. Match Box.....$7 50



No. 176. Celery Salt.....$3 50

No. 22. Match Box..... $7 00

No. 157 Match Box.....$5 50



No. 239. Pocket Comb, Satin Finish.....$3 00

No. 131. Match Box, Etched. $6 50

Blacksmiths' Drills.

Geddes & Co

No. 102.

No. 103.

No. 102— Upright Drill, Weight 185 lbs. Length 65 in. will drill holes up to 1¼ in. Lever [illegible]
in Center of 12 in. Circle, Fitted for Drills with ¾ in. Round Shanks [illegible]

This Drill is double geared, quick [illegible] changed from [illegible] slow speed by means of [illegible] with [illegible] lever [illegible] has a quick return motion, whereby the drill bit is raised out from the work Automatically, and has swing table.

No. 103— Upright Drill, Weight 335 lbs. Length 80 [illegible] will drill [illegible] range to 1¾ in., 8 in. Deep [illegible]
Center of 18 in. Circle. Fitted for [illegible] with 1¼ [illegible] Round Shanks. [illegible] Each $

This drill has [illegible] and [illegible] Automatic Feed [illegible] [illegible] largest [illegible] has [illegible] Automatic [illegible] quick return and improved system of Gearing and is designed for the heaviest kind of work.

Blacksmiths' Drills.

Universal.

No. 101.

No. 101—Improved Universal Angular Ratchet Drills, ... Each $

The No. 101 Drill weighs 26 lbs. Drills up to ½ in. Hole and is fitted for Drills with ½ in. Round Shanks. An Extra Chuck Accompanies Each Machine for ¼ to ½ in. Drills.

Track Drills.

I X L

No. 121.

Beland's.

No. 122.

No. 121 I. X. L. Track Drills, Steel Frame, ... Each, $

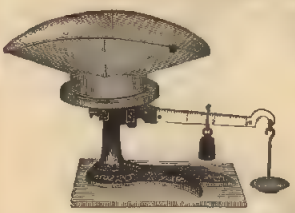
" **122** Beland's Track Drills, Wrought Frame, Cast Steel and Malleable Ratchet, ... "

STANDARD SCALES.

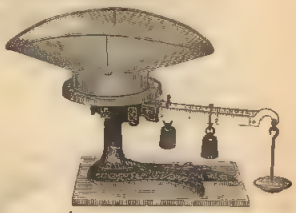
BRASS AND IRON BEAMS, &c.

WARRANTED EQUAL IN STYLE, ACCURACY, AND DURABILITY TO ANY OTHER MANUFACTURE.

GROCERS' SCALES.



Single Beam.



Tare Beam.

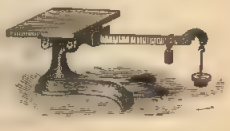
Single Beam, Brass Scoop, weighing from ½ oz. to 60 lbs., - - - $13 50
" " Tin " " " ½ oz. to 60 lbs., - - 12 00

With Tare Beam, Brass Scoop, weighing from ½ oz. to 63 lbs., - - $14 50
" " " Tin " " " ½ oz. to 63 lbs., - - 13 00

Weigh three pounds on the Beam. Those with Tare Beams are the most convenient Counter Scales in use.

Packed one in a box, weight about 50 lbs.

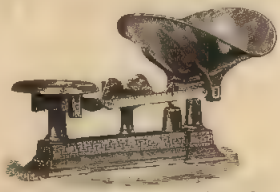
BUTTER AND BUTCHER SCALES, MARBLE TOP.



With Tare Beam—Plate 10 x 12 in.; packed one in a box, weight 60 lbs.; weighs ½ oz. to 63 lbs.
Price, - - - - - $14 00

Without Tare Beam—Plate 12 x 15 in.; packed one in a box, weight 65 lbs.; weighs ½ oz. to 63 lbs.
Price, - - - - - $15 00

GROCERS' COUNTER BALANCES.

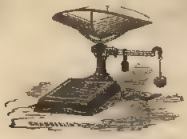


With Side Beam, dispensing with Weights under one pound.

No. 1 weighs from ½ oz. to 4 lbs., with Brass Scoop; Price, - - - $7 00
" 2 " " ½ oz. to 6 lbs., " " " " - - - 8 00
" 3 " " ½ oz. to 8 lbs., " " " " - - - 10 00

Packed one in a box—No. 1, 30 lbs.; No. 2, 35 lbs.; No. 3, 40 lbs

UNION SCALES.



With single Beam and Brass Scoop, weighing from ½ oz. to 244 lbs., $15 00
" " " " Tin " " " ½ oz. to 244 lbs., 14 00
" Pat. Tare " " Brass " " " ½ oz. to 244 lbs., 16 00
" " " " Tin " " " ½ oz. to 244 lbs., 15 00

The dish weighs from ½ oz. to 44 lbs., the platform from ½ oz. to 244 lbs. Size of platform, 10½ x 13½ inches. Packed 1 in a box, weight 60 lbs.

BUTTER or BUTCHERS' BALANCES.

One Brass and one Marble Plate.

No. 1, with 12 lbs. of Iron Weights, Marble Plate, 12 x 15 in.; Price, - $15 00
" 2, " 12 " " with Brass Pan, 10 in. diameter,
instead of Marble Plate; Price, - - - - - - - 10 00

No. 1, packed one in a box, weight 60 lbs.; No. 2, weight 35 lbs.

Butcher Scales.

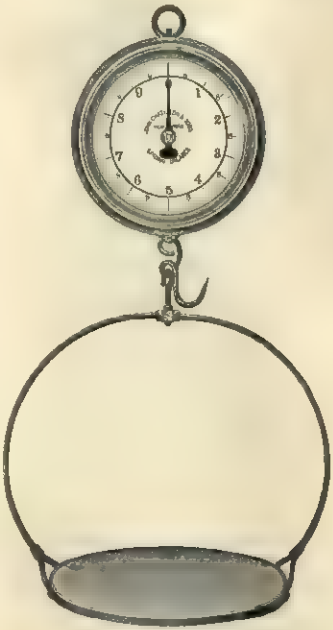


Fig. A–1220.

THE NEW FAVORITE

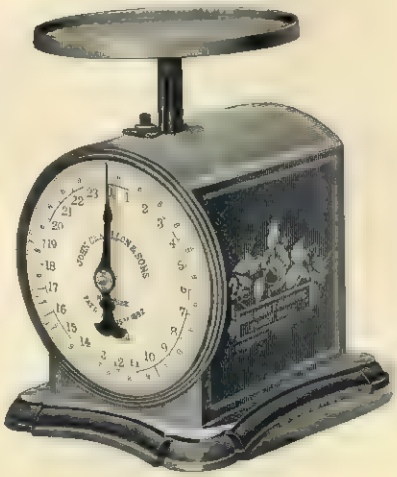


Fig. A–1221.

Circular Spring Balances.

Large Circular Dial, Glass Face, Porcelain Enameled Pans, Nickel Silver, Strengthened Edges, Nickel Plated Bows.

No. **4266E.**	30 lbs., by 1 oz., 13-inch Pans . . Each,	**$10 00**
No. **4276E.**	60 lbs., by 2 oz., 13-inch Pans . . "	**12 00**

Packed one in a box.

Family Scales.

All Steel, Polished Face, Nicely Painted.

No. **36.**	12 lbs., No Scoop . . . . . Per dozen,	**$36 00**
No. **46.**	24 lbs., No Scoop . . . . . "	**42 00**
No. **56.**	48 lbs., No Scoop . . . . . "	**48 00**
	Tinned Scoops for above Scales. . . . . "	**3 00**

Packed one in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Tea and Counter Scales.

Tea Scales.

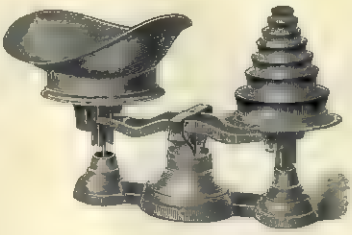


Fig. A–1222.

No. 1. Japanned, with Tin Scoop, ½ oz. to 4 lbs . . Per dozen, **$15 00**

"Hatch's" Counter Scales.

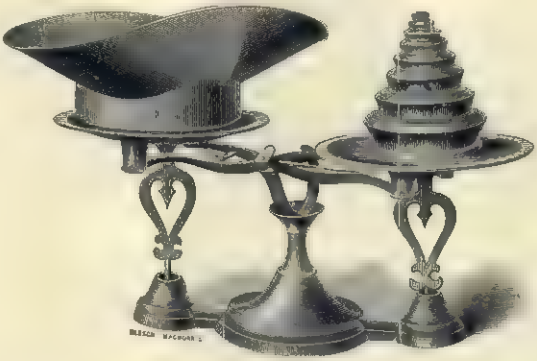


Fig. A–1223.

No. 1. Japanned, with Tin Scoop, ½ oz. to 8 lbs . . . . Per dozen, **$42 00**

The Standard Union Counter Scales.

Fig. A–1224.

Japanned, with Tin Scoop, Single Beam, Steel Bearings, ½ oz. to 240 lbs . . . Each, **$5 00**

Packed one scale in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Revolvers.

Harrington & Richardson's Automatic Shell Ejecting.

Central Fire, Double Action.

No. 932—32 Caliber, S. & W. Cartridge, 6 Shot, 3½ to 6 Barrel, Rubber Handle, Nickel Plated, Each $
" 938—38 " " " 5 " 3½ to 6 " " " " " "

Forehand & Wadsworth's Hammerless.

Central Fire, Double Action, Automatic Shell Ejecting Rebounding Lock and Safety Catch

No. 932—32 Caliber S. & W. Cartridge, 5 Shot, 3 to 6 Barrel, Rubber Handle, Nickel Plated, Each $
" 938—38 " " " 5 " 3½ to 6 " " " " " "

Revolvers.

Smith & Wesson's Automatic Shell Ejecting

Central Fire, Double Action

No. 1038R—	32	Caliber, S. & W.	Cartridge,	5	Shot,	3½	in.	Barrel, Rubber Handle,	Blued,	Each, $
" 1038N—	32	"	"	5	"	3½	in.	" "	Nickel Plated,	"
" 1038R—	38	"	"	5	"	3½	in.	" "	Blued,	"
" 1038N—	38	"	"	5	"	3½	in.	" "	Nickel Plated,	"

Smith & Wesson's New Departure

Hammerless, Central Fire, Double Action, Automatic Shell Ejecting, Rebounding Lock and Safety Attachment

No. 1132	32	Caliber, S. & W.	Cartridge,	5	Shot,	3	in.	Barrel,	Rubber Handle, Nickel Plated,	Each, $
" 1138—	38	"	"	5	"	3½	in.	"	" " "	"

Case of a Box

"OUR VERY BEST" SOLID STEEL HATCHETS.

FULL POLISHED.

Shingling.

No.	1	2	3
Bit, inches,	3½	4	4½
Per dozen	$10.50	11.00	11.50

HALF DOZEN IN A WOOD BOX.

Half.

No.	1	2	3
Bit, inches,	3¼	3⅝	4
Per dozen	$11 00	11 50	12.00

HALF DOZEN IN A WOOD BOX.

Claw.

No.	1	2	3
Bit, inches,	3½	4	4½
Per dozen	$11.50	12.00	12.50

HALF DOZEN IN A WOOD BOX.

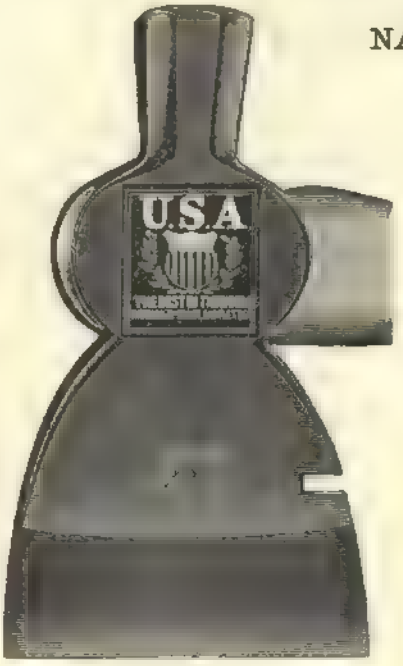
Broad.

No.	1	2	3	4	5	6
Bit, inches,	4	4½	5	5½	6	6½
Per doz.,	$13.50	14.50	17.00	18 50	20.50	23 00

HALF DOZEN IN A WOOD BOX.

U. S. A. EXTRA TOOL STEEL HATCHETS.

HAND MADE,
NATURAL FINISH.



Shingling.

No.	1	2	3
Bit, inches,	3½	3⅞	4⅜
Per dozen	$8 00	8 50	9 00

HALF DOZEN IN A BOX.

Half.

No.	1	2
Bit, inches,	3⅛	3⅜
Per dozen	$8.50	9.00

HALF DOZEN IN A BOX.

Claw.

No.	1	2	3
Bit, inches,	3½	3⅞	4⅜
Per dozen	$9 00	9.50	10 00

HALF DOZEN IN A BOX.

Broad.

No.	2	3	4	5
Bit, inches,	4½	5	5½	6
Per dozen	$11.50	13.00	14 50	16.50

HALF DOZEN IN A BOX.

FINE HAND DECORATED CRACKER JARS.

PRICES EACH.

No. 2,3. 7 inches High $9 50

No. 520. 8 inches High. $11 00

No. 522. 8½ inches High. $11 00

No. 523. 9 inches High. $11 00

Hand and Foot Power Sawing Machines.

Marston's Circular Saw

Marston's Band Saw.

No. 175—Marston's Circular Sawing Machine with two [illegible] Ripping Gauge, Weight 310 lbs. Each, $

Boring Table and Side Trestle, extra.

[illegible] out being screwed to the floor for all kinds of work

[illegible] gunmetal Babbitt metal and small gear on arbor is of best gun metal All [illegible] metal. Treadles are wrought iron, and all parts are made with extreme [illegible] wear Centre part of top [illegible] off Gauges to slide in Ripping Gauge slides in cast groove

The Gauges are adjustable to cut mitres or any angle Top can be raised [illegible] ing For boring a side table is [illegible] With the side table we furnish a [illegible] but

The machine is made for actual, [illegible] be run either by hand or foot power

No. 200 [illegible] and Sawing Machine, with one ⅛ in and one ¼ Band Saw Weight 300 lbs. Each $

The Table on this machine is 34 feet from the floor and 18 x 21 inches square, [illegible] bevel. Distance from table to guide, when raised its full height, 6 in [illegible] Frame &c. shafts are of steel. The upper saw pulley has [illegible] tighten the saw, also to bring it into line with lower saw pulley Can be run either hand or foot power

Foot Power Formers.

Barnes' Improved

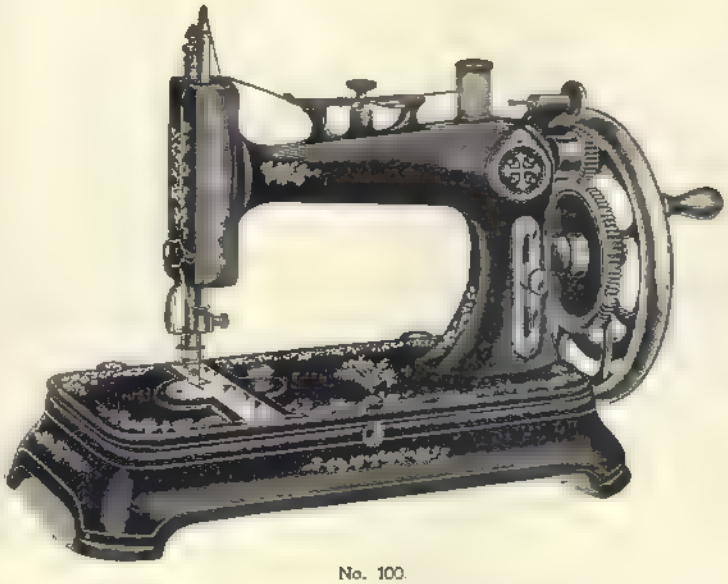
No. 235 Barnes' Former without Knives. Weight 80 lbs. . . . Each $

The above Cut represents a Ma[illegible] edges of brackets, scroll work, panel work, regular and irregular mouldings of all styles [illegible] to 6 in. The speed of the Knives is from twenty to twenty-five hundred per minute. [illegible] Patent [illegible] pedestal [illegible] direction [illegible] ground of the upper shaft [illegible] plane [illegible] The [illegible] and [illegible] work.

The Spindle and [illegible] bearings are of Steel [illegible] to take up the wear. The parts to set the Machine for [illegible] Knives and work are [illegible] and all substantial and durable. The Table can be lowered to 2½ in. between it and the lower cutting edge of the Knife.

SEWING MACHINES.

THE CONOVER, HAND.



No. 100.

No. 110.

No. 100–Iron base, without case, with attachments, ... each $12.00
No. 110–Oak base and case, with attachments, ... " 15.00

Dimensions: Length of arm over all, 12½ in; length of arm inside 6 ¼ in; height of arm inside 5 in; length of bed 13¼ in.

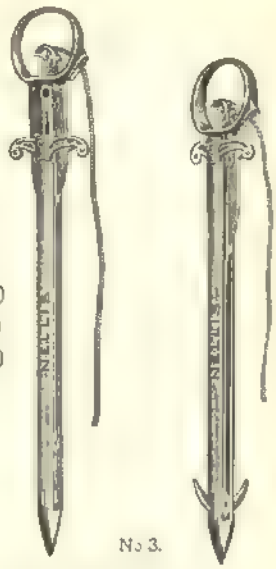
ATTACHMENTS.

Regular Plate Attachments, all steel, nickel plated and polished, ... per set $1.50

HARPOON HAY FORKS.

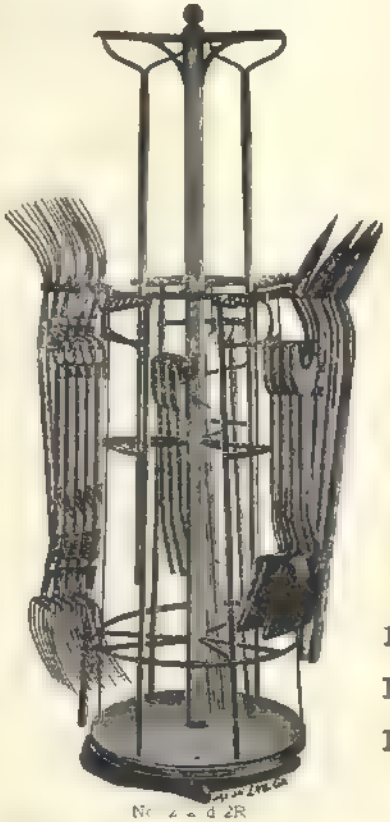
Nos. 1 and 2.

No. 1–Double point, 24 in., - - - per dozen $18.00
No. 2–Double point, 31 in., - - - " 20.00
No. 3–Nellis, single point, - - - " 27.00



No. 3.

TOOL RACKS AND TOOL BRACKETS.



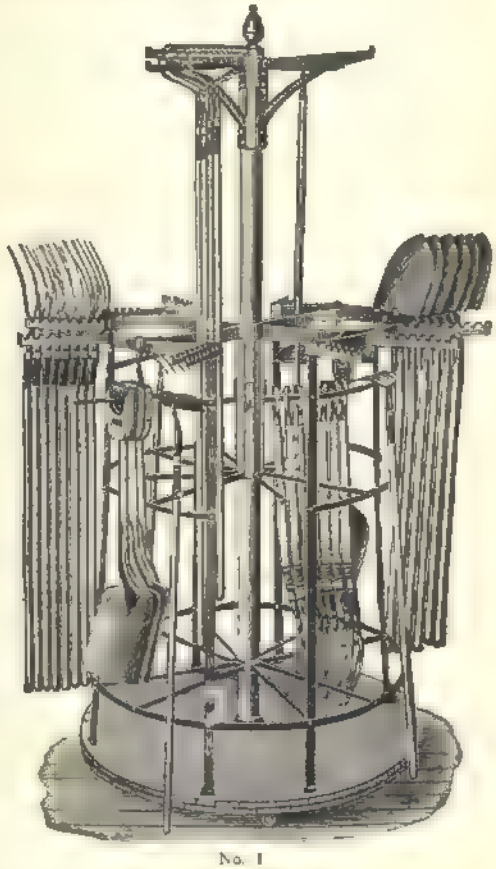
No. 2 and 2R

No. 3

No. 1

Tool Brackets.

No. 1 For 6 shovels, spades or scoops, - - per doz. $8 00
No. 2–For 8 hay or manure forks, per doz. - - - 7.00
No. 3–For 10 rakes, - per doz. 8 00



No. 1

Agricultural Tool Racks.

No. 2 Iron frame, wood platform with castors, iron work japanned, balance painted bright red, diameter of platform 2½ ft., extreme outside diameter at fork brackets, 3 ft 10 in., height, 8 ft., holds 124 tools and handles, - - - - - - - - - - - - - - - - each $20.00

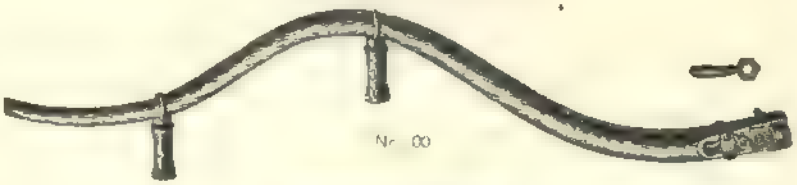
No. 2R–Revolving, otherwise same as No. 2, - - - - - - - - - - " 22 00

No. 1 Iron frame, wood platform with castors, iron work japanned, balance painted bright red, diameter of platform 4 ft., extreme outside diameter at fork brackets, 5½ ft., height, 8 ft., holds 292 assorted tools and handles, - - - - - - - - - - - - - - - - each 30 00

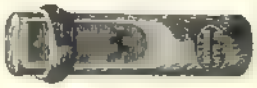
The shovel and fork brackets slip into a dovetail groove on the rack and can be interchanged at will.
SHIPPED KNOCKED DOWN.

SNATHS.

No. 10. Bush



No. 00



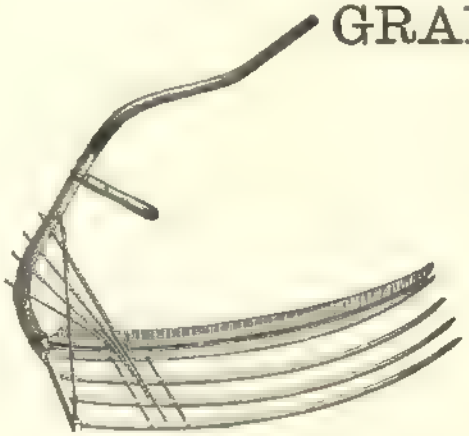
No. 2.

No. XX. Pat. Bush

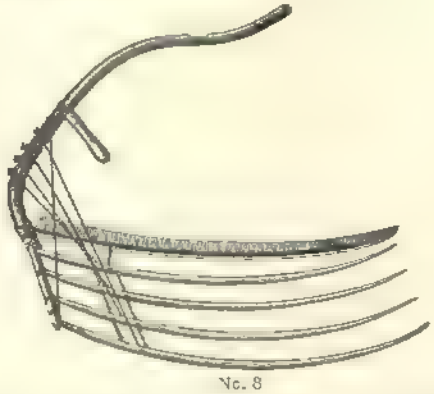
No. 00–Patent loop, grass, iron trimmed, screw nib . . . . . per dozen $12 00
No. 2 Ring, grass, patent socket, iron trimmed, screw nib. . . . . " 9 00
No. 10–Double ring, bush, iron trimmed, screw nib, ... " 12.50
No. XX–Patent loop, bush, iron trimmed, ferrule on nib, ... " 13.50

HALF DOZEN IN A BUNDLE

GRAIN CRADLES.



No. 7

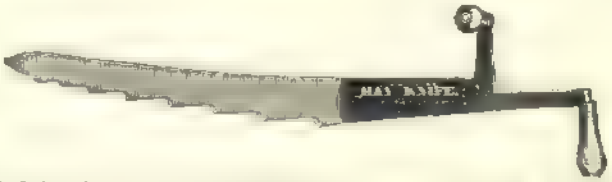


No. 8

No. 7 Morgan, 4 fingers, grape vine wood braces, ring fastening, silver steel scythe . per dozen $45 00
No. 8–Morgan, 4 fingers, grape vine, iron braces, ring fastening, s lver steel scythe, . . " 45 00

HALF DOZEN IN A BUNDLE.

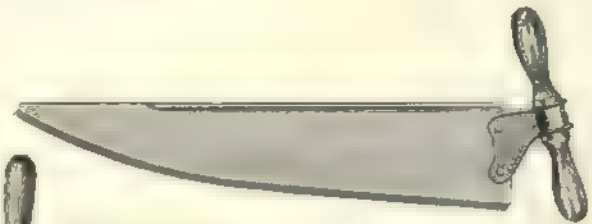
HAY KNIVES.



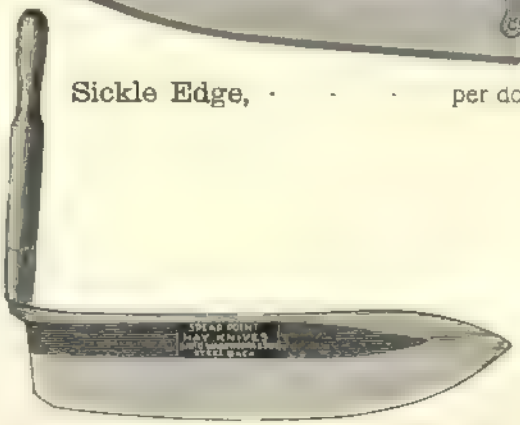
Holt's Genuine Lightning, . per doz $13 50
Holt's Blizzard, . . 11 00

Maine, ... per doz $24 00

Heath's, . . . per doz. $20 00



Sickle Edge, . . . per doz. $14 00



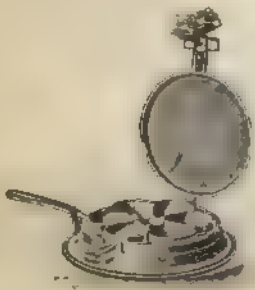
Spear Point, ... per doz. $16.00

SPEAR POINT AND HEATH'S, HALF DOZEN IN A BUNDLE; BALANCE, ONE DOZEN IN A CASE.

Waffle Irons.

Harker's

No. 18 Harker's Waffle Irons, ... Per Dozen, [illegible]

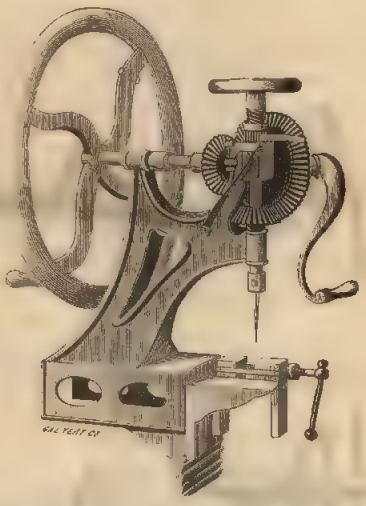


No. 38 Egg Baking Attachment for Harker's Waffle Irons, ... Per Dozen, [illegible]
No. 38—Lifting [illegible] for Use on Gas or Gasoline Stoves, [illegible]

Moisten Gummed Edge and attach to page 1008

COE'S PATENT

UPRIGHT DRILL PRESS,



AND

SCREW CUTTING MACHINE.

These Machines are indispensable to blacksmiths, carriage, wagon and plow manufacturers, after any establishment purchases one, and finds the many conveniences to which it can be put.

No. 00—BENCH DRILL, without Fly Wheel, Self Feed or Vise Attachment. Price, - - - - - - - - - - - $12 00

No. 0—Is without Vise Attachment, and suitable for ordinary blacksmith work. Weight, 100 pounds. Price - - - - - 25 00

No. 1—Suitable for carriage, wagon and ordinary blacksmith work, and for drilling holes up to one inch. We do not recommend No. 1 for cutting screws. Weight, 130 pounds. Price, with Vise Attachment, - - - - - - - - - - - 40 00

No. 2—With Vise Attachment, is suitable for all kinds of light and heavy work, cutting bolts and nuts up to ¾ of an inch. This size is most generally used by plow makers. Weight 200 pounds. Price, - - - - - - - - - - 50 00

Extra for each pair Taps and Dies, - - - - - - - - 4 50

Extra for Chuck to hold Dies, - - - - - - - - - - 3 00

PRICE LIST OF PATENT TWIST DRILL BITS.

1-8	3-16	1-4	5-16	3-8	7-16	1-2	9-16	5-8	11-16	3-4	13-16	7-8	1 inch.
$0 90	1 05	1 05	1 10	1 10	1 15	1 25	1 35	1 50	1 65	1 90	2 10	2 35	3 00

HAVEN'S PATENT
BLACKSMITHS' TIRE DRILLS.

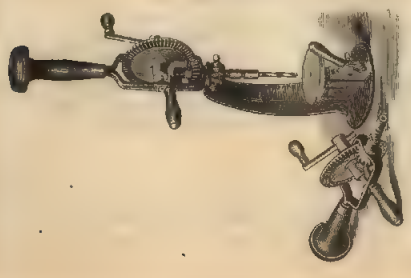
Improved in Quality and Reduced in Price.

New pattern, patented; weight, 33 pounds, - - - - each, $4 50

PATENT SELF-FEEDING TIRE DRILL.

Weight, 45 pounds, - - - - - - - - - - each, $7 50

BREAST DRILLS.



Breast Drills, - - - - each, $4 00
Stand, with raise-and-tall table, - 1 00

Spindles of No. 1 Beach chuck, or can be used without chucks.
The table, to be raised by the tool, makes it a very handy bench Drill for small jobbing or amateurs.
For Twist Drills, see page 78.
Stubb's Wire Drills, to be used without chuck, - each, 20 cts.

HAND-POWER ELEVATORS.

WE illustrate several styles of Hand Elevators, and are prepared to furnish them suited to almost any position or purpose, and solicit a correspondence with particulars, and will furnish an estimate. JAMES L. HAVEN & Co

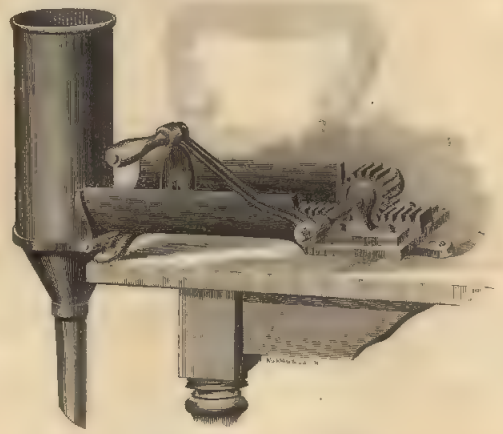
HOOK-ROPE HOISTING MACHINE.

No. 6.

This cut represents the old-fashioned Hoisting Machine, with Friction Brake, suitable for raising heavy articles of merchandise. We furnish these also with anti-Friction Bearings when wanted. Capacity up to 3,500 pounds.

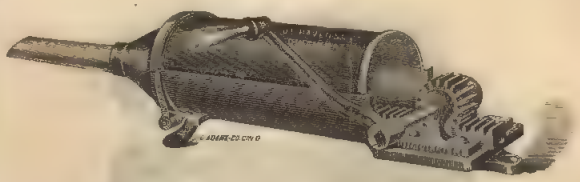
HAVEN'S PATENT

RAILROAD SAUSAGE STUFFERS.



DIRECTIONS FOR USE.

Screw on the left hand corner of a table; turn up the case and fill it (the skins being on the tube); lay down the case, turn the crank, the plunger advances and forces the meat into the skins.



The tube is made of heavy 100 plate tin. The GEARING we retain, having learned that those without it work so hard that the labor of a strong man is required.

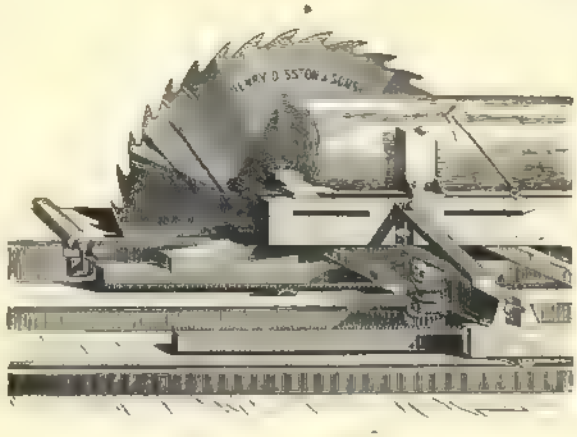
This size is all that is needed for any family or butcher who makes any moderate quantity of sausages.

Per dozen, $15 00

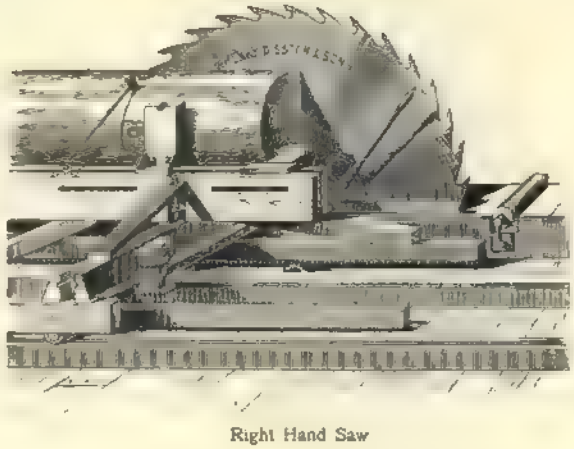
Packed 6 in a box; weight, 90 pounds.

No charge for package when a full case is taken.

CIRCULAR SAWS.



Left Hand Saw.



Right Hand Saw

Cross-Cut or Rip, Ground and Tempered.

In ordering be particular to state whether cross-cut or rip, right or left hand is wanted, also size of mandrel hole and speed of saw

Diameter, inches,	4	5	6	7	8	9	10	12	14	16
Gauge,	19	19	18	18	18	17	16	15	15	14
Size of hole, inches,	¾	¾	¾	¾	⅞	⅞	1	1	1⅛	1⅛
Each	$1.00	1.20	1.40	1.70	2.00	2.50	3.00	3.75	4.50	5.50
Each additional gauge, extra,	.03	.04	.05	.06	.08	.10	.12	.17	.21	.25
Beveling new saws, per gauge	.14	.16	.18	.20	.22	.25	.28	.35	.40	.50

Diameter, inches,	18	20	22	24	26	28	30	32	34	36
Gauge,	13	13	12	11	11	10	10	10	9	9
Size of hole, inches,	1¼	1⅜	1⅜	1⅜	1⅜	1½	1⅝	1⅝	1⅝	1⅝
Each	$7 00	8 50	10.00	12.00	14.00	16 00	18 00	20 00	22 50	25 50
Each additional gauge, extra,	30	35	.45	55	.65	.80	.90	1.00	1.20	1 40
Beveling new saws, per gauge	.60	.70	.80	.90	1.05	1.20	1.30	1.40	1.55	1.70

Diameter, inches,	38	40	42	44	46	48	50	52	54	56
Gauge,	9	9	8	8	8	8	7	7	7	7
Size of hole, inches,	1⅝	2	2	2	2	2	2	2	2	2
Each	$30 00	35 00	42.00	50 00	60 00	70.00	80.00	90 00	100.00	115.00
Each additional gauge, extra,	1 75	2 00	2 50	3 00	3.50	4 00	4 50	5 00	6 00	7.00
Beveling new saws, per gauge	1.85	2.00	2.20	2.40	2.60	2.80	3.00	3.25	3.50	3.75

Diameter, inches,	58	60	62	64	66	68	70	72	74	76
Gauge,	7	6	6	6	6	5	5	5	5	5
Size of hole, inches,	2	2	2	2	2	2	2	2	2	2
Each	$130 00	145 00	160 00	180.00	200 00	225 00	255 00	290.00	330 00	375.00
Each additional gauge, extra,	8 00	9 00	10 00	12 00	15 00	18 00	21 00	24 00	27 00	30 00
Beveling new saws, per gauge	4 05	4.35	4.65	5 00	5 35	5 75	6 15	6 55	7 00	7.50

No extra charge for saws one gauge thicker than list.

Circular saws beveled one gauge without extra charge, up to 44 in., 44 in., and larger beveled two gauges without extra charge.

Circular saws for bone or ivory add 50 per cent. to above list.

Circular saws 46 in., and larger, if made thinner than 10 gauge are not warranted, and add 10 per cent for each gauge thinner than No. 10

Store and Warehouse Trucks.

Fig. A–1678.

Full Ironed.

No.	Length of Handles Ft	In	Width Inches.	Size of Wheels Inches.	Diam of Axles. Inches.	Weight. Lbs.	Price.
1	3	11	19	6⅞x2	⅞	47	$ 8 00
2	4	3	21	7¾x2⅜	⅞	60	10 50
3	4	7	22	8¾x2¾	1	87	15 00

With Rubber Banded Wheels.

No.	Length of Handles. Ft	In.	Width. Inches.	Size of Wheels. Inches.	Diam. of Axles. Inches.	How Strapped.	Weight. Lbs.	Price.
1	3	8½	18	5 x1⅜	⅞	Half	43	$10 00
2	4	3	20	8½x1¼	⅞	Half	52	14 00

The Parker Barrel Truck.

Fig. A–1678½

No. **1.** Wheels 7 in. Diam., Axle 1 in . . . . . Each, **$ 7 50**
No. **2.** Wheels 10 in. Diam., Axle 1¼ in. . . . " **10 00**

Hickory Ox Bows.

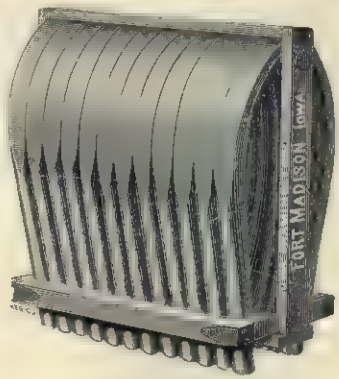


Fig. A–1679.

1¾ Inch	Per dozen pairs, **$10 50**
2 Inch	" " **12 00**
2¼ Inch	" " **16 00**
2½ Inch	" " **22 00**

One-half dozen pairs in a crate.

Ox Yokes.

Complete, with Bows and Pins.

No. **1.** Small	Each, **$ 7 00**
No. **2.** Medium	" **8 50**
No. **3.** Large	" **10 00**
Freighters—Extra Large	" **12 00**

Goad Sticks.

Hand Shaved, Second Growth Hickory, Octagon . . . . . Per dozen, **$9 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Lumber Tools.

CANT HOOK, NO. 80.

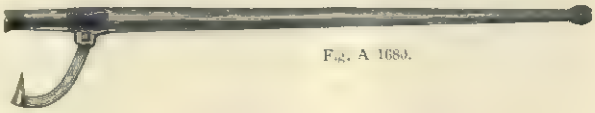


Fig. A 1680.

CANT HOOK, NO. 130.

Fig. A–1682.

PEAVEY, NO. 60, 70, and 75.

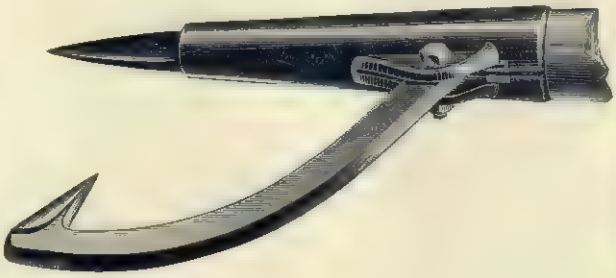


Fig. A–1681.

No. **60**	Peavey, Duck-bill, 2½ Inch Handles	Per dozen,	**$29 25**
No. **70.**	Peavey, Duck-bill, 2¾ Inch Handles	"	**32 50**
No. **75.**	Peavey, Duck-bill, 3 Inch Handles	"	**36 00**
No. **80.**	Cant Hooks, 2½ Inch Clasped	"	**24 00**
No. **130.**	Cant Hooks, 2½ Inch Bolted	"	**18 00**

One-half dozen in a bundle.

TIMBER CARRIERS.

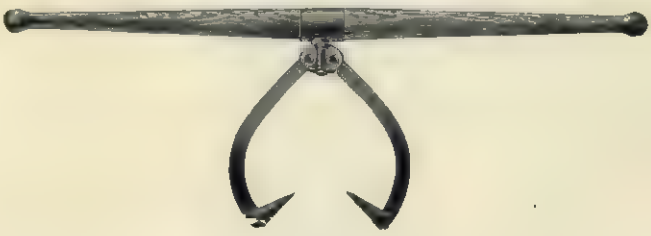
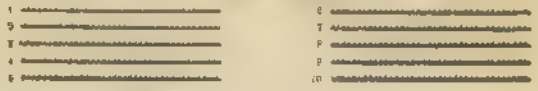


Fig. A–1683.

Timber Carriers, with Selected Maple Handles, with Swivel, Will Grapple from 3 to 16 Inches . . . . . Per dozen, **$39 00**

Bracket Saw Blades.



Bracket Saw Blades, 6 in. Long, { Nos. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
Per Gross. | | | | | | | | | | |

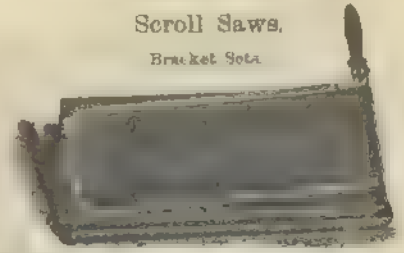
One Dozen in a Package.

Barnes' Bracket Saw Blades 7 in. Long, 4 to 1 in. Wide, for Barnes' No. 2 and 3 Scroll Saws, Per Dozen 6

One Dozen in a Package.

Scroll Saws.

Bracket Sets.



No. 1 Planished and Polished Walnut Bracket Frame, No. 2 Japanned Handle, 4 Extra Saws, One Dozen of Assorted Fine Wire Saws, One Sheet of Improved Paper and full directions for using Saw. Per Dozen Sets, 6

Holly

No. 3—Cricket Japanned Treadle Table Each 1

" 4 " Polished Treadle Table, with Six Saw Blades, one Inch Fret, and one Sheet of Designs, "

Mitre Boxes.

Hyde's Improved

No. 1—Hyde's Improved Mitre Box, with 20 in. Saw [illegible] moulding 4 in. wide and 4 in. deep. . Each, $

Stanley's Improved

No. 50—Stanley's Improved Mitre Box, without Saw
" 60— " " " " with 20 in. Steel or a Back Saw Each $

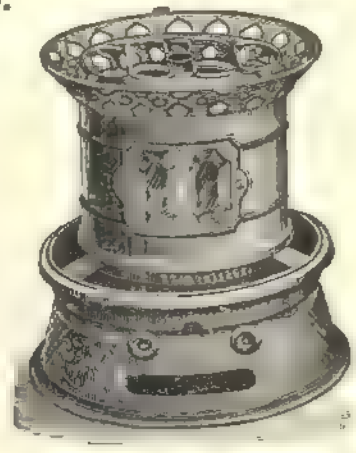
New Langdon Improved

No. 26— Size 1 New Langdon Improved Mitre Box Each $
" 27 " 1
" 28 " 1
" 29 " 1
" 32
" 33

TIN OIL STOVES.

No. 2.

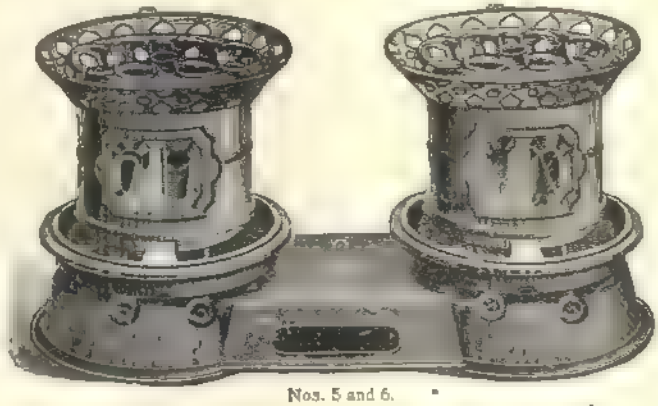
No. 3.



No. 4

No. 2–One 3 in. burner, ... per dozen $15.00
No. 3–Two 3 in. burners, ... " 20.40
No. 4–Two 4 in. burners, ... " 28.20

No. 103.

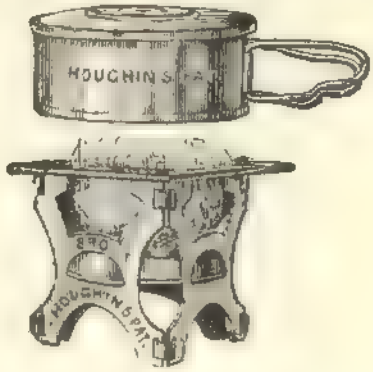


Nos. 5 and 6.

No. 103–Single stove, with three 4 in. burners, ... per dozen $36.00
No. 5–Double stove, with two 3 in. burners, ... " 42.60
No. 6–Double stove, with two 4 in. burners, ... " 58.80
No. 203–Double stove, with three 4 in. burners, ... " 74.40

ALCOHOL AND GAS STOVES.

No. 1 X



No. 890.

No. 600.

No. 1020–Mayflower brass, diameter 3 in., folding, ... per dozen $3 50
No. 890 Houchin's, tin cup or case, diameter 4 in., with frame and plate, folding, . . . " 7 50
No. 600–Vesuvius, to attach to gas burner, ... " 2.50

ONE IN A BOX.

Houghtaling Reducing Motion.

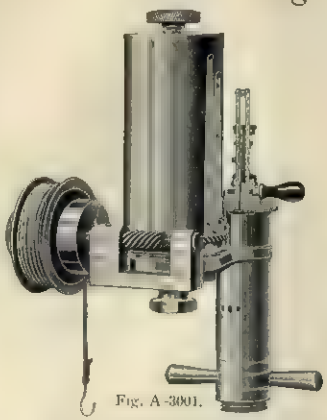


Fig. A-3001.

Fitted To

Tabor Steam Engine Indicator.

The "Tabor" Improved Indicator complete with Houghtaling Reducing Motion, full Nickel Plated, with three Pulleys, one Patent Duplex Spring, one Scale, two Cocks, 100 Plain Cards, one screwdriver, one bottle oil, one extra drum spring and the necessary wrenches, all inclosed in a neat black walnut box with nickel plated trimmings.

Price . . . . . $

This illustration shows the Latest Improved, Tabor Patent Steam Indicator with the New Patent Houghtaling Reducing Motion

This Patent Reducing Motion is composed of a supporting base piece, K, provided with short standards that form bearings for the worm shaft, R, on which the flanged pulley, O, is rotated, the outer bearing being a pivot, p, which receives the entire thrust of the shaft, R, thus reducing the friction to a minimum. It is connected direct to the Indicator upon the projecting arm that supports the paper drum, B, and the teeth of the worm shaft, R, mesh directly with the teeth on the spool, g. Connected to the base piece, K, is a spring case, d, and on the extreme end of the worm shaft, R, is a thumb piece, u. There is also secured upon this worm shaft, R, a collar not shown in the illustration and through which a clutch pin secured directly to the thumb piece, u, slides.

The flanged pulley, O, runs freely and independently on worm shaft, R, and has on its outside a clutch shaped hub. To this pulley, O, is connected the actuating cord which should encircle it a sufficient number of times to have its length when unwound a little more than equal the length of the stroke of the engine. The other end of the cord is secured either to the cross head of the engine or to a standard bolted to the same, or to any moving part that has an exact similar motion, and must be connected in line from the pulley, O.

Inclosed in the spring case, d, is a small, plain spiral steel spring which operates to return the pulley, O, back to its starting point, after it has been revolved in one direction by the forward movement of the engine cross head. As this pulley, O, has an independent rotating back and forth motion on the worm shaft, R, the necessity of unhooking the cord when the indicator is not being operated, is entirely overcome. The paper drum, B, is rotated forward by means of the pulley, O, through its worm shaft, R, engaging with the worm gear, g, and in the opposite direction, or backward, by the action of its own retracting spring. On top of paper drum, B is a knurled thumb piece made with a projecting pin on its under side to engage with a similar pin located in the top of the drum, and is to be used by the operator for moving the paper drum slightly forward when taking a diagram, to prevent it from striking against its stop on the return motion.

To operate this device, first select a pulley whose circumference is from one-quarter to one-fifth the length of the engine stroke, so as to allow of its being revolved four to five times with each stroke of the engine. In placing this pulley on the worm shaft, R, after removing the clutch and its collar, care should be taken to have it set on the small projecting pin on the cover of spring case, d, then replace the clutch collar and clutch, pushing the collar onto the shaft as far as it will go and holding it in place by the set screw. Next place the indicator in position and run out the loose end of the cord in a direct line with the pulley, O, to the point on the engine to which it is to be connected, then bring the cross head of the engine to the extreme limit of its backward motion and attach the loose end of the cord, being particular to have sufficient cord wound on the pulley to meet the extreme limit of the forward travel of the cross head and with one or two turns of the cord left on the pulley unwound. When the cross head with cord connected is at its extreme *forward* travel there should be just sufficient tension on the spring inclosed in spring case, d, to take up all slackness of the cord when running, and without overtaxing the spring.

If, upon starting the engine, the cord should at first run unevenly on the pulley, O, turn the indicator slightly until a perfect and uniform winding of the cord is obtained, and which can always easily be secured. When pulley, O, is running, motion to the paper drum, B, is obtained by pushing in the thumb piece, u, to which the clutch pin is secured.

When ready to take diagrams after placing the paper on the drum, B it is first necessary to advance the drum away from its stop fully one quarter inch, and what can be done by turning with one hand the knurled top thumb piece. While holding the drum in this position, with the other hand push in gently the thumb piece, u, to start the paper drum in motion.

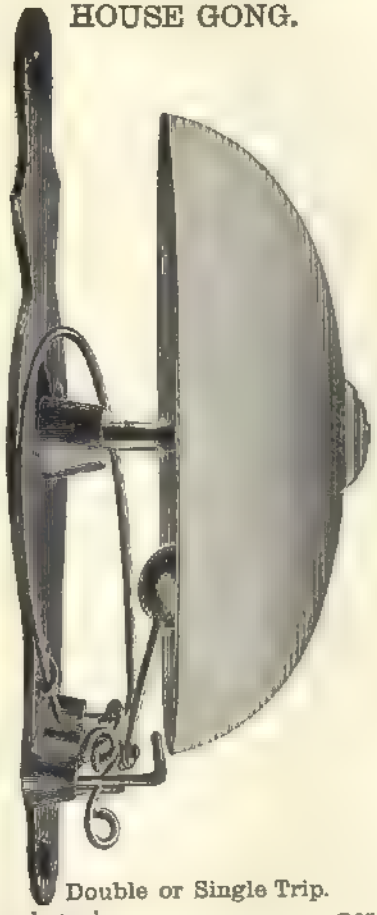
The motion of the paper drum, B, can at any time be instantly stopped for removing the diagrams taken and renewing the paper, by withdrawing the clutch thumb piece, u, or by turning the top thumb piece, the latter method being preferable. The stopping of the paper drum will not have any effect in the motion of pulley, O, which will continue to revolve independently while the engine is in motion.

With the indicator, we furnish for use on the Reducing Motion three different size pulleys, which are of one inch, two inch, and three and one half inch diameter. These pulleys are sufficient for use in taking diagrams from engines having length strokes from 6 inches to 4 feet. Other size pulleys can be furnished when required.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

BELLS.

HOUSE GONG.

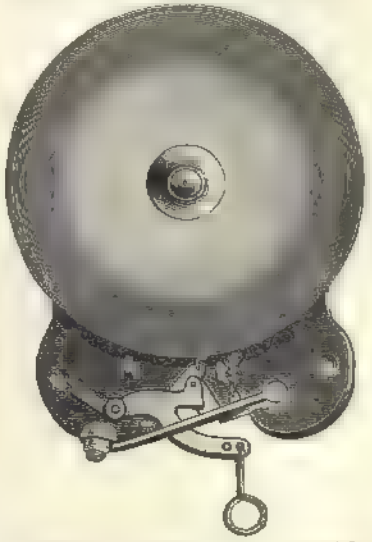


Double or Single Trip.

5 in., bronzed steel,	per doz	$ 7 00
6 in., bronzed steel,	"	10.00
5 in., polished bell metal,	"	14.00
6 in., polished bell metal,	"	20.00

ONE IN A BOX.

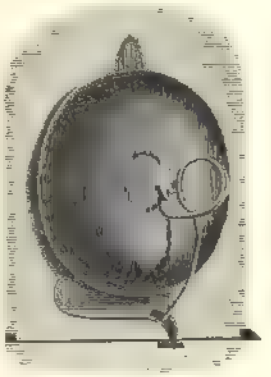
LOCOMOTIVE GONG.



Polished Bell Metal, Central Pull, Outside Trip Gong.			
Inches,	6	8	10
Per dozen	$24.00	46.00	84 00

ONE IN A PACKAGE.

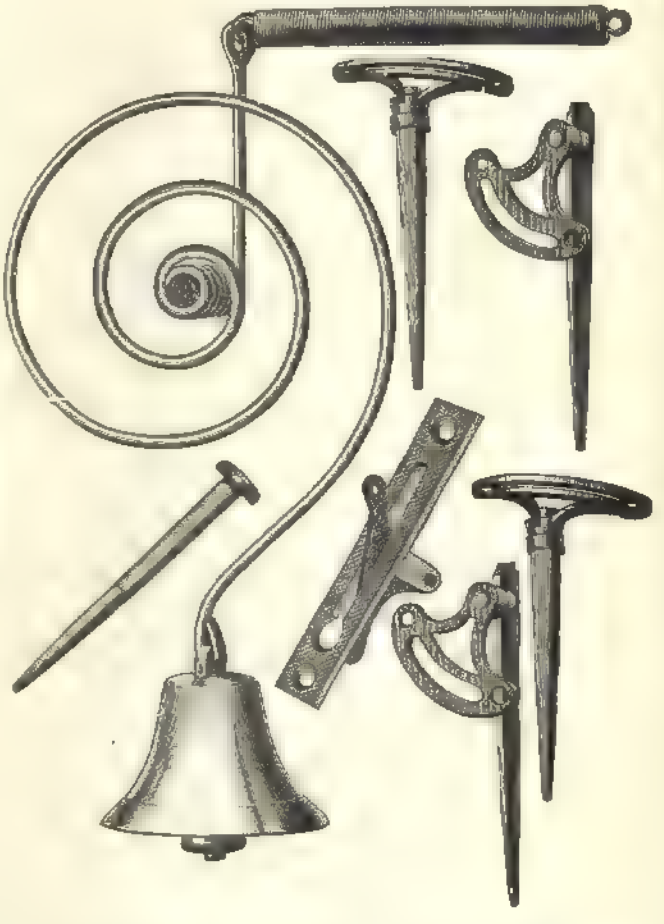
ALARM DOOR.



4 in., bronzed steel, - - - - per doz. $5.00

ONE IN A BOX.

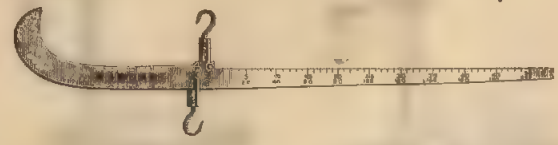
HOUSE, ON CARRIAGE.



No. 204 Medium size, polished bell, complete with side, end and mortise cranks. - per doz $8 50

HALF DOZEN IN A BOX.

PATENT SCALE BEAMS.



Japanned Iron Beams

Marked on Both Sides.

100 to 250 lb. Beams,	each, $2 00
300 lb. Beams,	" 2 50
360 lb. to 1,500 lb. Beams, per 100 lbs.,	75
2,000 lb. Beams,	each, $20 00
2,500 lb. "	" 25 00
3,000 lb. "	" 30 00

IRON BEAMS.

100 to 250 lb. Beams,	each, $4 00
300 lb. Beams,	" 6 00
400 lb. "	" 8 00
500 lb. "	" 10 00
600 lb. "	" 12 00
800 lb. " weights on end,	" 16 00
1,000 lb. Beams, "	" 18 00
1,200 lb. " "	" 20 00
1,500 lb. " "	" 24 00
2,000 lb. " "	" 30 00
2,500 lb. " "	" 37 00
3,000 lb. " "	" 45 00

TOBACCO BEAMS.

2,000 lb. Beams,	each, $30 00
2,500 lb. "	" 37 00
3,000 lb. "	" 45 00

PIG IRON BEAMS.

Pig Iron Beams,	each, $45 00
With Frame,	" 70 00
With Frame and Crane, all complete,	85 00

Polished Brass Beams.

100 lb. Brass Beams,	each, $8 00
150 lb. "	" 9 00
200 lb. "	" 10 00
250 lb. "	" 10 00
300 lb. "	" 15 00
400 lb. "	" 18 00
500 lb. "	" 22 00
600 lb. "	" 25 00
800 lb. "	" 30 00
1,000 lb. "	" 35 00
1,200 lb. "	" 40 00
2,000 lb. "	" 60 00
Ice Beams, extra heavy,	" 10 00
Paper Beam and Crane,	" 8 00

Brass Beams, for Pork Houses.

With Weights on end of Beam; extra heavy.

1,500 lb. Brass Beam,	each, $65 00
2,000 lb. " "	" 75 00
2,500 lb. " "	" 90 00
3,000 lb. " "	" 100 00
Brass Selecting Beam, Frame & Box,	" 60 00

☞ Brass Weights, 60 cents per lb. extra.

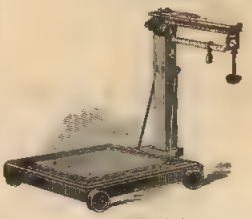
FRAMES FOR BEAMS.

With Levers and Chains.

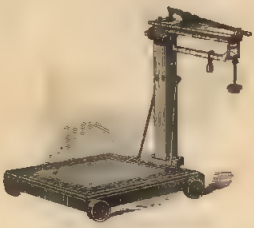
For 1,500 lb. Beam,	each, $28 00
" 2,000 lb. "	" 30 00
" 2,500 lb. "	" 35 00

Having completed our machinery for Grinding and Notching our SCALE BEAMS, we are prepared to furnish a FIRST CLASS BEAM, as low as can be purchased in New York, and warranted equal in every respect.

PORTABLE PLATFORM SCALES.



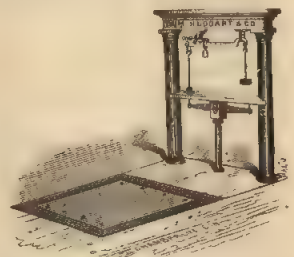
With Wheels.



With Wheels and Drop Lever.

					With Drop Lever.	Without Drop Lever.
No. 4,	capacity	400 lbs.,	platform	15½ by 20½ in.,	- - - -	$26 00
" 5,	"	600 lbs.,	"	17 by 22 in.,	- - - -	30 00
" 6,	"	800 lbs.,	"	17½ by 24 in.,	- - - -	35 00
" 8,	"	900 lbs.,	"	18½ by 25 in.,	$45 00 - -	40 00
" 10,	"	1,000 lbs.,	"	20 by 26 in.,	- 50 00 - -	45 00
" 12,	"	1,200 lbs.,	"	21 by 27 in.,	55 00 - - -	50 00
" 14,	"	1,500 lbs.,	"	23 by 29 in.,	- 65 00	
" 16,	"	1,800 lbs.,	"	24 by 30 in.,	70 00	
" 20,	"	2,000 lbs.,	"	25 by 32 in.,	- 80 00	
" 25,	"	2,500 lbs.,	"	27 by 34 in.,	90 00	
" 28,	"	3,000 lbs.,	"	30 by 38 in.,	- 100 00	
" 29,	"	4,000 lbs.,	"	32 by 43 in.,	125 00	

WAREHOUSE SCALES.



With Iron Columns. No Charge for Boxing.

No. 30,	capacity	3,000 lbs.,	platform	36½ by 32½ in., - - - -	$105 00
" 40,	"	4,000 lbs.,	"	44½ by 42½ in., - - - -	125 00
" 50,	"	5,000 lbs.,	"	50½ by 48½ in., - - - -	165 00

Hunting and Bowie Knives.

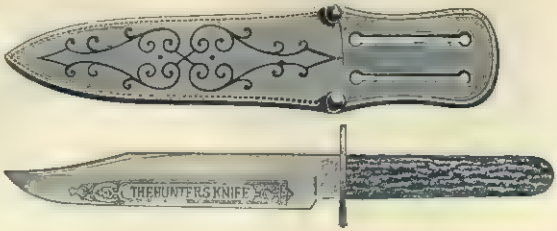


Fig. A–4152.

No. **349.** 5 Inch Blade, Stag Handle, Clipped, with Russet Leather Sheaths . . . . . Per dozen, **$12 00**
No. **349.** 6 Inch Blade, Stag Handle, Clipped, with Russet Leather Sheaths . . . . . " **13 00**
No. **349.** 7 Inch Blade, Stag Handle, Clipped, with Russet Leather Sheaths . . . . . " **15 00**

Packed one-half dozen in a box.

Fig. A–4153.

No. **166.** 7 Inch Blade, Ebony Scored Handle, Patent Lock, Spring Back, with Russet Leather Sheath and Metal Mounts **$60 00**

Packed one-fourth dozen in a box.

Stiletto.

Fig. A–4154

No. **168.** 2⅝ Inch Blade, Composition Handle, Set with Mother of Pearl, with Black Leather Sheath and Metal Mounts **$18 00**

Packed one-fourth dozen in a box.

Dagger.

Fig. A–4155

No. **21** 5 Inch Blade, Fancy Celluloid Handle and Sheath, with Gold Mountings . . . . . Per dozen, **$36 00**

Packed one-fourth dozen in a box

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hunt's Hatchets.

Fig. A–1766.

SHINGLING.

Nos.	1	2	3
Width of Cut, Inch,	3½	3⅞	4⅛
Per dozen	$8 00	8 50	9 00

RIVERSIDE
Claw and Shingling Hatchets.
Same Pattern and List As Hunt's.

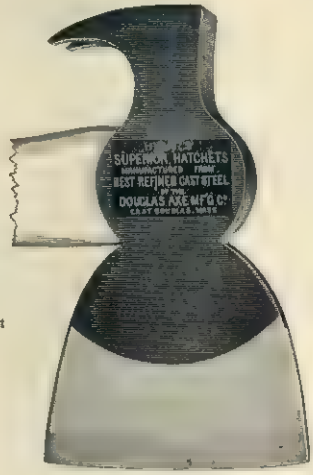


Fig. A–1767.

CLAW.

Nos.	1	2	3
Width of Cut, Inch,	3½	3⅞	4⅛
Per dozen	$9 00	9 50	10 00

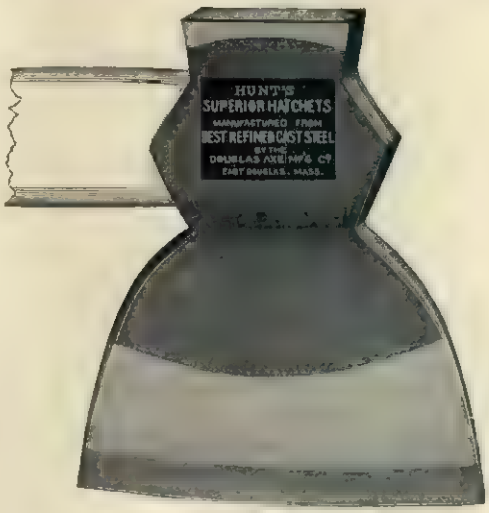


Fig. A–1768.

Broad.

Nos.	1	2	3	4	5	6	7	8
Width of Cut, Inch,	4	4½	5	5½	6	6½	7	7½
Per dozen	$10 50	11 50	13 50	14 50	16 50	18 00	19 50	22 00

Double Beveled. Same List.

One-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Sunset" Hatchets.

Fig. A–1769.
SHINGLING

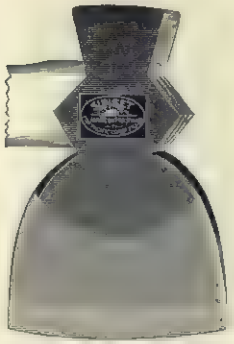


Fig. A–1771
BROAD.

Fig. A–1770.
CLAW

Fig. A–1772
LATHING.

Fig. A–1773
HALF HATCHET.

"Sunset" Brand Hatchets.

Broad.

Nos.	1	2	3	4	5	6	7	8
Width of Cut, Inch	4	4½	5	5½	6	6½	7	7½
Per dozen	$10 50	11 50	13 00	14 50	16 50	18 00	19 50	22 00

Shingling.

Nos.	1	2	3
Width of Cut, Inch	3½	3⅞	4⅜
Per dozen	$8 00	8 50	9 00

Lathing.

Nos.	1	2	3
Width of Cut, Inch	2½	2¾	3
Per dozen	$8 00	8 50	9 00

Claw.

Nos.	1	2	3
Width of Cut, Inch	3½	3⅞	4⅜
Per dozen	$9 00	9 50	10 00

Half-Hatchet.

Nos.	1	2	3
Width of Cut, Inch	3¼	3¾	4¼
Per dozen	$8 00	8 50	9 00

One-half dozen in box.

Magnum Lamps.

Improved.

Magnum Lamps. Brass. Diameter 9 in. Length of Harp 20 in. Complete with 14 in. Reflector ..... Per Dozen $
Extra Reflectors, ... "
Globes ..... "
Wicks ..... "

This Lamp will light a room 40 feet square and with one filling will burn 9½ hours. Has perfect wick elevation and the parts are readily removed for cleaning and trimming.

PACKED COMPLETE. QUARTER DOZEN. GLOBES ONE AND A HALF DOZEN IN A BARREL.

Per Dozen $

Decoys.

Fig A–3783

Duck Decoys, Mallard, Canvas Back, Sprig, Widgeon or Teal	Per doz.,	$7 00
Duck Decoys, Any of the Above, Weighted	"	7 50
Canvas Decoys, to Carry in Pocket and Inflate	"	9 00

Duck Calls.

No. 760.

Fig. A–3784

Fuller's Goose Call, Nickeled	Per doz.,	$12 00
Turkey Call	"	4 00
No. **760.** Duck Call, Horn Tip	"	4 50
No. **10.** Quail Call, to Hold Between the Lips	"	1 75
Allen's Wood Shell Duck Call	"	9 00

Dog Whistles.

No. 1

Fig. A 3785.

No. 2.

Fig. A 3786

No 3.

Fig. A–3787

Britannia Whistles.

No. 1	Per doz.,	$1 70
No. 2	"	2 05
No. 3	"	2 25

Fig. A–3788

Horn.

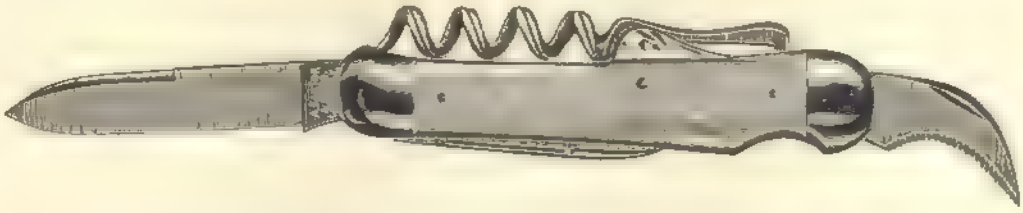
No. **2464.** Small, Horn	Per doz.,	$2 50
No. **2465.** Large, Horn	"	3 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

POCKET KNIVES.

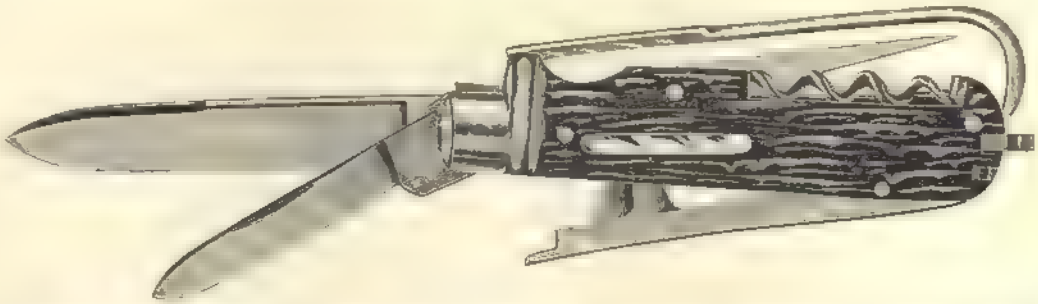
No. 0505- 2 blades, with cork screw, hoof pick and harness reamer, stag handle, brass lined, crocus polished, 2⅞ in., - per dozen $11.25

No. 1655 2 blades, with cork screw, stag handle, brass lined, crocus polished, 3⅞ in., - - - per dozen $9.60



No. 0566 2 blades, with cork screw and champagne opener, stag handle, brass lined, crocus polished, 3½ in., - per dozen $26.00

No. 0567 2 blades, with cork screw and champagne opener, pearl handle, brass lined, crocus polished, 3½ in., - per dozen 29.00



No. 0699 2 blades with fleams, cork screw, hoof pick, harness reamer and tweezers, stag handle, iron lined, crocus polished, 3⅝ in., - per dozen $26 00

HALF DOZEN IN A BOX

POCKET KNIVES.

No. 3001–1 blade cocoa handle, iron lined, 2¾ in., ... per dozen $0.70

No. 0714

No. 0713 1 blade, nickel handle, iron lined, 2¾ in., ... per dozen $0 50
No. 0714–2 blades, nickel handle iron lined, 2¾ in., ... " 1.00

No. 0217

No. 0217–1 blade, nickel handle, 2⅝ in., ... per dozen $0 65
No. 0218–2 blades, nickel handle, 2⅝ in., ... " 1.00

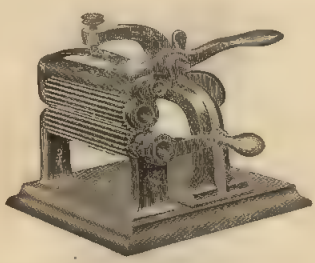
No. 0402–1 blade, nickel handle, 2¾ in., ... per dozen $0.65

No. 0403–2 blades, nickel handle, 2⅞ in., ... per dozen $1 00

No. 16–1 blade, iron handle, 2¾ in., ... per dozen $1.40

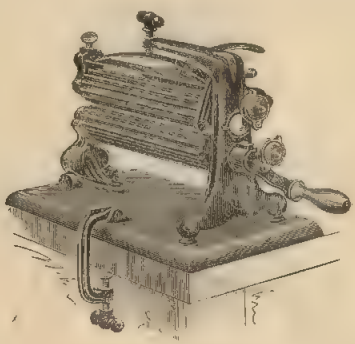
ONE DOZEN IN A BOX

KNOX PATENT FLUTING MACHINE.



Knox Fluting Machine, 6-inch rolls, either 12, 15, 18 or 22 flutes, each, $5 00

UNIVERSAL PATENT FLUTING MACHINE.



Universal Fluting Machine, 6-inch rolls, either 12, 15, 18 or 22 flutes, each, $5 00

Extra Rolls for Knox or Universal Machines.

Either 12, 15, 18 or 22 flutes, - - - - - - - per pair, $3 40

Liquid Glue.

No. 1

No. 1 Le Page's Liquid Glue, in Cases containing 2 Dozen ... Bottles and 1 Dozen ½ G... Cans, with Wire Display Stand. Per Case 1

No. 2

Nos. 3 and 4

No. 12

No. 2	Le Page's Liquid Glue	Fancy Cases	in Small Bottles			Per Dozen 1
" 3—	" " "	" "	Half Pint Cans			"
" 4—	" " "	" "	" "			"
" 5	" " "	Cabinet "	Half Pint "			"
" 6—	" " "	" "	One " "			"
" 7—	" " "	" "	One Quart "			"
" 8—	" " "	" "	Gallon "			"
" 9	" " "	" "	One " "			"
" 12	Samson "	Family "	Small Bottles			"
" 14—	" " "	" "	One Gallon Cans			"

Nos. 3 and 4, Half Dozen, Other Nos. One Dozen in a Box

Magnifying Glasses.

No. 3600

No. 13600—Pocket Magnifying Glasses, Nickel Plated Metal Case, One 1¼ in. Lens. Each $

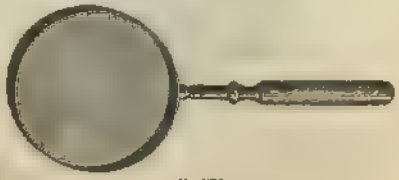
No. 3610

No. 13610—Pocket Magnifying Glasses, Nickel Plated Metal Case, Two 1¼ in. Lenses, . Each $

No. 3620

No. 13620—Pocket Magnifying Glasses, Nickel Plated Metal Case, Three 1¼ in. Lenses . . Each $

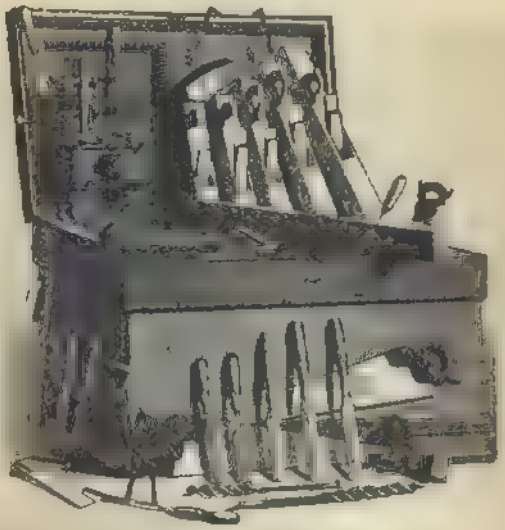
Reading Glasses.



No. 6970

No. 6970 2 in. Reading Glasses, German Silver Rim, Ebony Handle, Each $
" **6970** 3 in. " " " " " " "

MECHANICS'



—AND—

EDGE TOOLS.

Circular Saws.

Warranted Extra Cast Steel.

In ordering state whether Cross Cut or Rip Saws are wanted.

Diameter.	Thickness.	Size of Hole.	Back.	Extra for Each Additional Gauge Heavier.	Extra for Each Gauge of Bar Sections. Gauge
4	Gauge				
5					
6					
7					
8					
9					
10					
12					
14					
16					
18					
20					
22					
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56					
58					
60					
62					
64					
66					
68					
70					
72					

No extra charge for Saws One Gauge heavier than List.

One Gauge Beveling allowed on all Circular Saws larger than 36 in

Revolvers.

Merwin, Hulbert & Co.'s Automatic Shell Ejecting

WITH FOLDING HAMMER.

Central Fire, Double Action Folding Hammer, Belt and Pocket Revolver Combined.

No. 4358. 38 Caliber S. & W. cartridge, [illegible] and 4½ " Barrels, Rosewood Handle, Nickel Plated, Each $

This Revolver has an interchangeable [illegible] barrel that enables it to be changed into a Pocket Revolver. No tool required. The Barrels can be changed in three seconds.

Safety, Hammerless.

Central Fire, Double Action, Rebounding Lock.

No. 532—32 Caliber S. & W. Cartridge, Six [illegible] Barrel, Rosewood Handle, Nickel Plated, Each $

" **533**—38 " " " " " " " "

Over 32 & 38.

Revolvers.

Electric, Hammerless

Central Fire, Double Action

No. 632—32 Caliber S. & W. Cartridge, 5 Shot, 3 in. Barrel, Rubber Handle, Nickel Plated . . . Each $

Automatic Shell Ejecting.

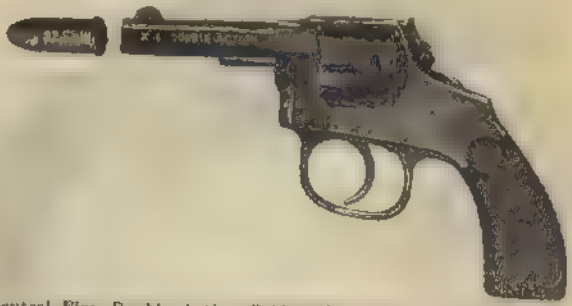
Central Fire, Double Action, Folding Hammer, Rebounding Lock

No. 732—32 Caliber S. & W. Cartridge, 5 Shot, 3 in. Barrel, Rubber Handle, Nickel Plated, . . Each $

Over in a Box

Revolvers.

Merwin, Hulbert & Co.'s XL, Double Action.



Central Fire, Double Action, Folding Hammer Rebounding Lock

No.		Caliber	S. & W. Cartridge	Shot	Barrel	Caliber	Handle	Nickel Plated	Each
"	2331	.32	"	6	Rib	"	Ivory	"	"
"	2331P	.32	"	6	Tap	"	Pearl	"	"

Merwin, Hulbert & Co.'s, XL, Double Action

Central Fire, Double Action, Folding Hammer, Rebounding Lock

No.		Caliber	S. & W. Cartridge	Shot	Barrel	Caliber	Handle	Nickel Plated	Each
"	2351	"	"	"	Tap	"	Pearl	"	"
"	2351P	.32	"	"	"	"	Pearl	"	"

Cased in a Box

Revolvers.

Merwin, Hulbert & Co's Automatic Shell Ejecting

WITH FOLDING HAMMER

Central Fire, Double Action Folding Hammer

No.										Each, $
"	32SR—32 Caliber, S. & W. Cartridge,	5	Shot,	3 in.	Barrel,	Rubber Handle,	Nickel Plated,			
"	32SI —32	"	"	"	"	"	Ivory	"	"	
"	32SP—32	"	"	6 in.	"	"	Pearl	"	"	
"	32SE—32	"	"	"	"	"	"	"	Engraved,	

Turning the Barrel on the Center Stem and drawing it forward, ejects all the Shells

Merwin, Hulbert & Co's Automatic Shell Ejecting

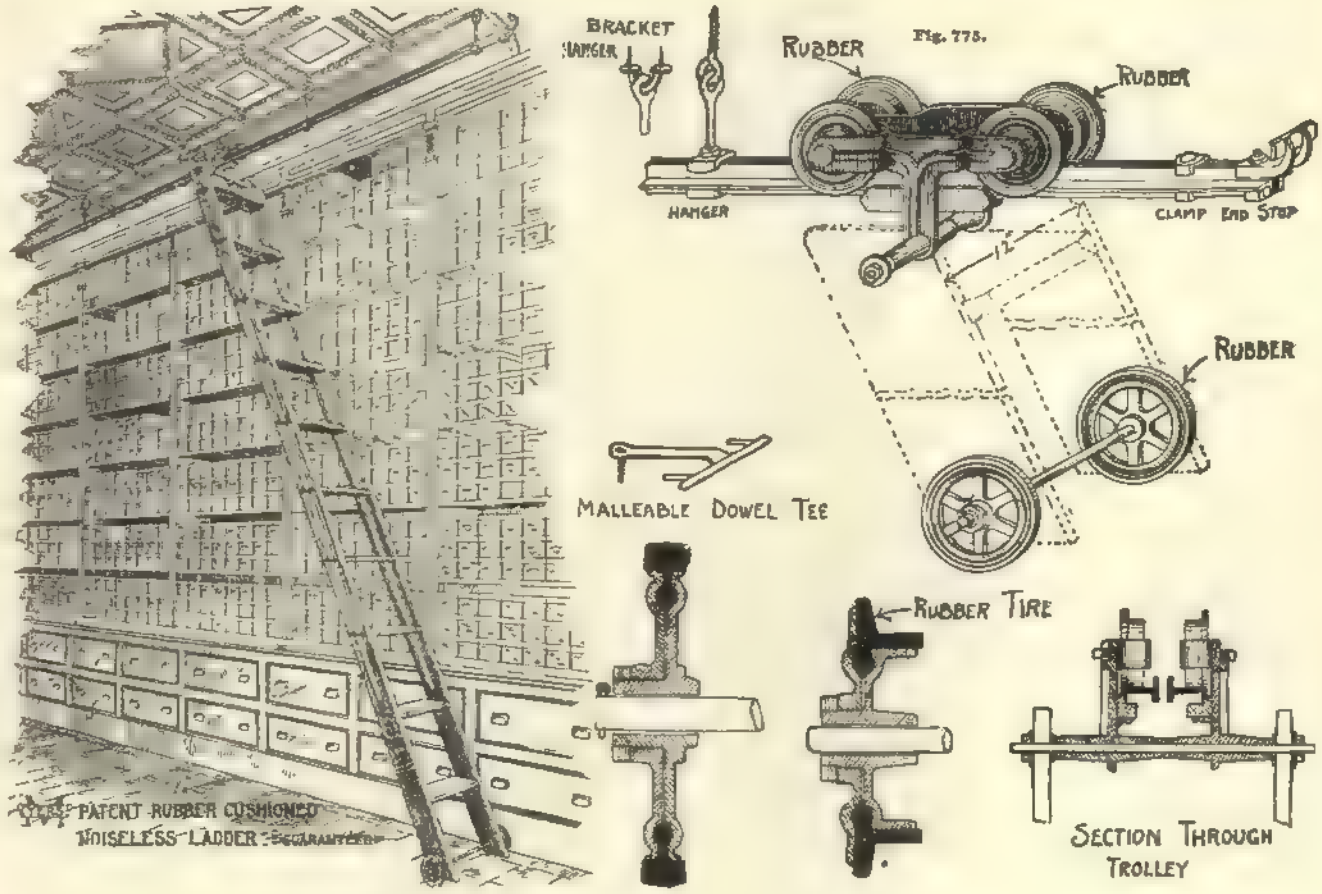
WITH FOLDING HAMMER

Central Fire, Double Action Folding Hammer

No.										Each, $
"	38SR—38 Caliber, S. & W. Cartridge,	5	Shot,	3½ in.	Barrel,	Rubber Handle,	Nickel Plated,			
"	38SI —38	"	"	"	"	"	Ivory	"	"	
"	38SP—38	"	"	6 in.	"	"	Pearl	"	"	
"	38SE—38	"	"	"	"	"	"	"	Engraved	

Turning the Barrel on the Center Stem and drawing it forward, ejects all the Shells

MEYERS' CUSHION TIRE STORE LADDERS.



The track is the well known double angle steel rail which is very neat and strong, and is suspended from ceiling by means of lag screws, either to the joists or rigid, or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble, and without any blocking or bridging, as is the case in many other tracks.

The ladder is constructed of the best clear Georgia pine, nicely finished filled and varnished; has open panel sides, 5 in. wide with 5 in. steps. Each step is supported at each end with a special malleable dowel tee, which makes the strongest construction possible. The width of the ladder is 12 in.

The trolley is self adjusting and made of malleable iron fitted with turned steel bearings and 3 in. anti-rattler wheels, turned and bored on lathe and fitted with special rubber tires.

The floor travelers are 5 in. in diameter, composed of metal sides with rubber cushion tires clamped in such a position as to be impossible to get out of commission. These wheels are placed on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor. With this style trolley, which is noiseless, a great objection to other ladders is overcome.

When the ladder is not the proper length for ceiling, cut off at the bottom and replace the lower traveler shaft by boring new holes at the proper point so as to have the steps of the ladder level.

DIRECTIONS FOR FITTING.

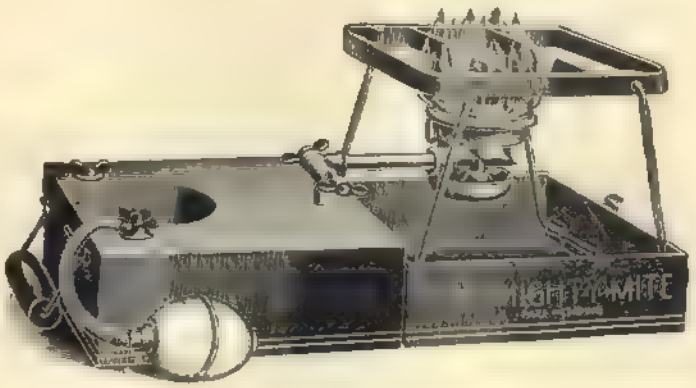
To find the required length of store ladder for any room, subtract from the height of the room 11 in. (this being the amount of space required by hangers, track and trolley); multiply the remainder by one and one tenth; the result will be the length of the ladder from hole at top to bottom of ladder.

Ladder and Trolley, complete, - - - - - - - - - - - - - - each $16.00

Track, complete with hangers, - - - - - - - - - - - - - - per foot .30

CAMP STOVES.

MIGHTY MITE.



Stove in operation.

Stove closed

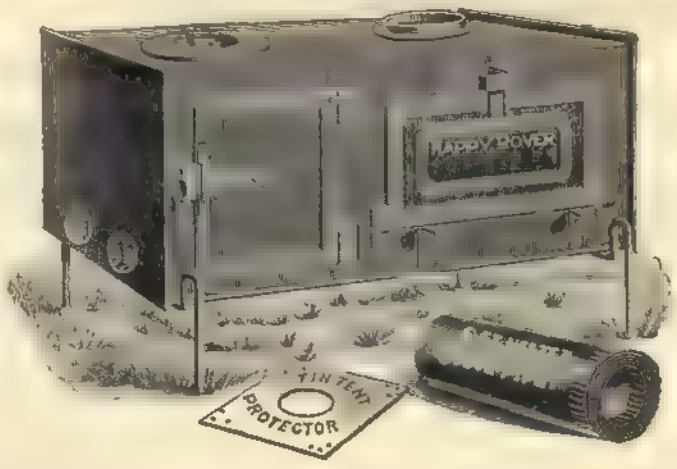
The parts are brass and cannot rust. The stove cannot be filled while burning the cause of the great majority of accidents as in removing the filler plug all the air escapes and the flame immediately goes out With an ordinary stove a leak in the tank is a danger but here a leak would allow the air to escape, and without pressure there can be no flame.

The heat is due to the pressure The flame is the hottest of any gasoline stove An ordinary stove will boil a gallon of water in seven minutes. The Mighty Mite will do it in five minutes.

The Mighty Mite is the smallest and the only folding gasoline stove made. The weight of the single burner is only 4 ¼ lbs

No. 12 Single burner gasoline, enameled and striped, size folded 7 × 7 × 4 in., - - - - each $5 00
No. 13–Single burner kerosene, enameled and striped, size folded 7 × 7 × 4 in., - - - - " 6.00

HAPPY ROVER.



For exploring and camping parties requiring a thoroughly well made good, durable and cheap cooking, baking and heating apparatus capable of roughest and all kinds of usage and convenient carriage nothing more perfect has ever been produced than the stove illustrated herewith

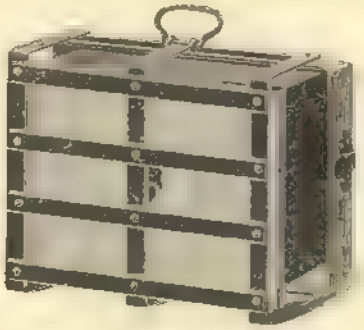
Made entirely of strong steel plates, only a few small pieces not exposed to breakage are made of cast iron. The workmanship is first class the fire boxes can be furnished double lined, with or without installation and they will burn any kind of fuel The flues are conveniently reached for cleaning Six feet of telescoped pipe a tinned tent roof protector, and wrought iron legs are included with every stove, which pack into the bake oven, thus leaving the fire box free for other things

With Lined Fire Box, 6 Feet Nested Stovepipe and Tinned Tent Protector.

No. 24 Size 24 × 14 × 10 in., oven 12 × 14 in., fire box 9 × 14 in., weight about 34 lbs., - - each $6 75
No. 30 Size 30 × 14 × 10 in., oven 12 × 14 in., fire box 14 × 14 in., weight about 38 lbs., - - " 8 00

BUZZACOTT'S CAMP COOKING OUTFITS.

SPORTING SIZE.



This outfit is a reproduction on a smaller scale of the outfit adopted and used by the United States government and many of the state national guards. At the World's Columbian Exposition, [illegible] awarded medals and diploma given to any camp cooking device or arrangement of the sort.

When it comes down to actual work, cooking wholesome and appetizing foods in liberal quantity quick, clean and well, occupying but little space and being light in weight—nothing can compare with it.

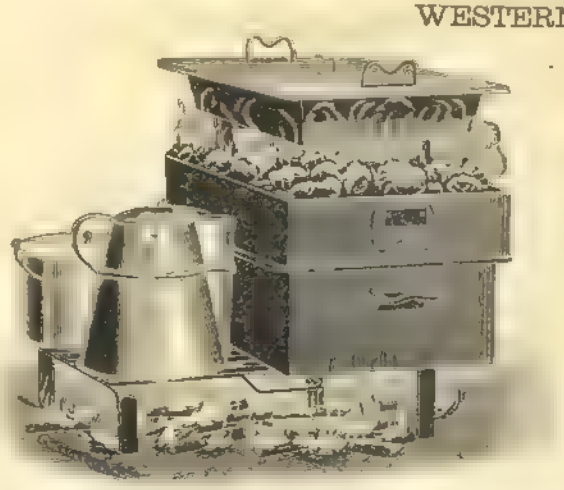
Contents of Outfit.

One skeleton stove, one medium boiler, five quart, one larger boiler, eight quart. These combined form an excellent oven, 11×14×9 in., capacity twelve pound wild turkey. One nursery size coffee pot, three cups. One combination frying, roasting and baking pan, 12×8×2½ in., one frying pan and boiler cover, one broiler, pan rack, 12 in. Tablespoon, one large cook's fork, one large cook's spoon, one turner, one salt, one pepper and one sugar dredge. Handle of tools 8 in. long. One adjustable sound handle so arranged as to fit any utensil for handling in any way when in use. Total sixteen separate utensils, the whole so constructed without one drop of soldering parts. Permitting of being heated even red hot without fear of melting or injuring any parts. Provided with handle for carrying. Size packed. Not a cube, but weight 15 lbs. Just right for four to six sportsmen with camp appetites.

In this outfit there are six plates, six cups, six knives, six spoons and six forks, thirty pieces. A complete mess kit adding but the weight of 5 lbs. to the outfit; no additional space.

Sporting size, including 16 cooks' utensils, size packed 14×11×9 in., weight 15 lbs., . . . each $6.00
Complete with mess kit of 30 pieces, weight 20 lbs., ... " 7.50

WESTERN AND OFFICERS'.



Utensils Packed with the Outfit.

The following utensils are usually packed with each outfit. They are all made for the outfit, are of the best quality, and of such size and form as to pack readily within the outfit.

1 6 quart solid lip coffee pot
1 large retinned preserve kettle.
1 tin cover for same
1 14 in. forged basting spoon
1 large cake turner
3 large dredge boxes.
1 heavy wire broiler
1 cup dipper or ladle
1 pierced ladle or skimmer
1 15 in. 3 tine flesh fork.

Buzzacott's western size cooking outfit is similar to the military except in size, weight, etc. The utensils however differ. Solid lip coffee pot, stamped steel, stew kettle, smaller cook's tools, baking and roasting pans, etc., are substituted for the larger ware quoted in military size. They are designed for headquarters and staff messes, corps, division, etc., or for small parties of men when separated from the main body of the command. Each outfit is complete in itself, and is fully provided for frying, boiling, stewing, roasting, baking, broiling or parching coffee. It packs all together, same as military.

Western size, capacity 10 to 15 persons, complete with 12 cooks' tools, size packed 22×17×11 in., weight about 70 lbs., ... each $25 00
Officers' size, capacity 20 to 25 persons, complete with 13 utensils same as packed with Western size with the addition of large cook's pot, size packed 28×18×14 in., weight 100 lbs., . . . each 35 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Cheney's" Improved Combined Anvil and Vise.

WITH ADJUSTABLE JAW.

Fig. A 2680.

No. **10.**	Face of Anvil 4½x2 Inches, Jaws 2½ Inches Wide, and Opens 3 Inches . . . . . Each,	**$3 50**
No. **20.**	Face of Anvil 6½x3 Inches, Jaws 3½ Inches Wide, and Opens 4 Inches . . . . . "	**4 50**
No. **30.**	Face of Anvil 8x3½ Inches, Jaws 4 Inches Wide, and Opens 5 Inches . . . . . "	**5 50**
No. **40.**	Face of Anvil 8½x4 Inches, Jaws 4½ Inches Wide, and Opens 6 Inches . . . . . "	**6 50**

"Miller's" Anvil Vise and Drill.

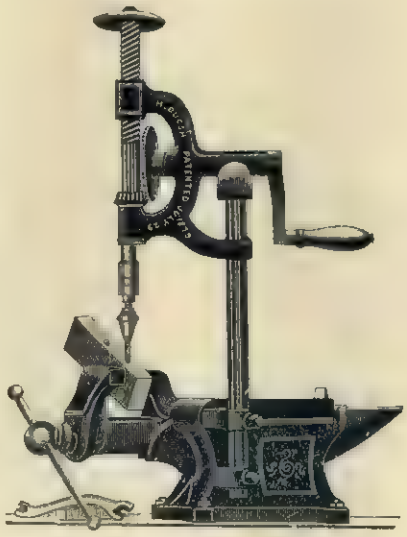


Fig. A–2681.

The Anvil has a Steel Face 4x8 Inches. Vise Jaws, 3½ Inches Wide and Steel Faced. Steel Drill Press with Adjustable Chuck to Hold ¼ Inch Drills and all Smaller Sizes. Weight of Anvil, Vise and Drill, 80 Pounds.

Price **$20 00**

Bench Vises.

Oval Slide.

Japanned. Steel-Faced Jaws.

Fig. A–2682.

Jaws, Inches,	2	2½	3	3½	4
Each	$3 15	3 80	5 40	6 75	9 00

Trenton Patent.

Patent Improved Parallel.

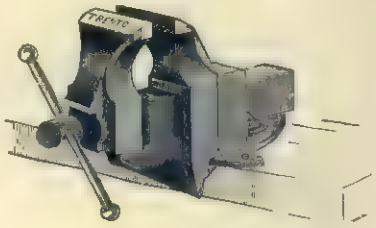


Fig. A–2683

Jaws, Inches,	2	2½	3	3½	4
Each	$3 00	4 00	5 00	5 75	7 50

Patent Improved Swivel.

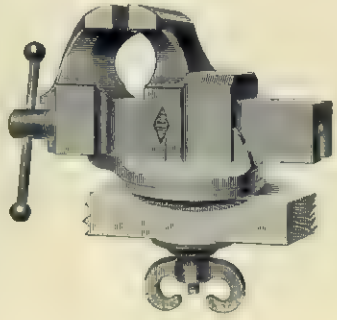


Fig. A–2684.

Jaws, Inches,	2	2½	3	3½	4
Each	$3 50	4 50	5 50	7 00	8 50

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal

Mott's Improved Harness Brackets.

For Single or Double Harness.

MALLEABLE IRON.

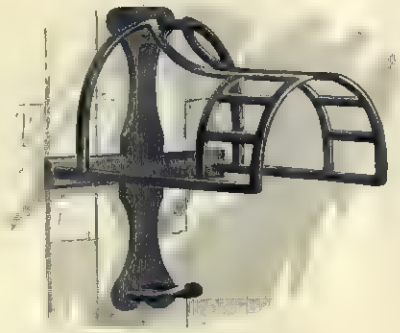


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Fig. A–1091. Plate 388P.

Collar and Bridle Bracket Combined.

Price, Japanned Iron **$1 75**

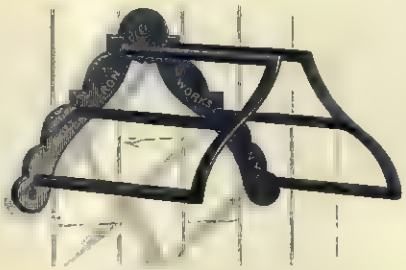

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Fig. A–1092. Plate 390P.

Harness Saddle Bracket.

Price, Japanned Iron **$1 50**

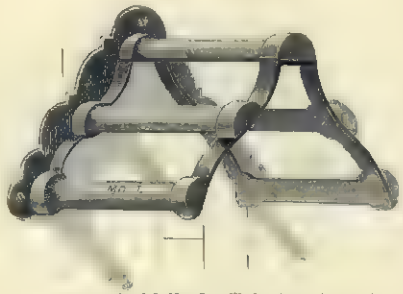

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Fig. A–1093. Plate 398P.

Harness Saddle Bracket.

Price, with Mahogany Cappings, Japanned Iron **$2 75**
Price, with Rubber Cappings, Japanned Iron . . **3 50**

Copyright by The J. L. Mott Iron Works, 1883, '86, '89 and '92

Fig. A–1094. Plate 535P.

Buggy Shaft Bracket.

No. 2. Extreme Projection, 16 Inches, Japanned Iron, **$2 25**

The above Harness Brackets are all modeled to fit the under side of the harness, so as to keep it in shape The openings in centers will be found very convenient in allowing martingale and crupper straps, attached to either collar or saddle, to drop through.

The above, when furnished in Brass, can be Nickel Plated at an additional cost.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

The "CV" Gopher Trap.

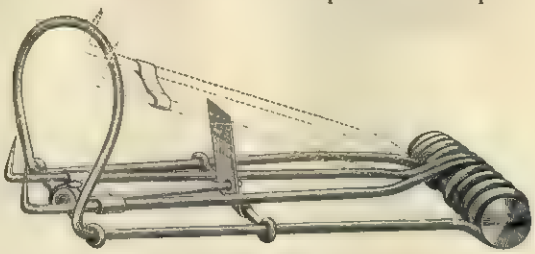


Fig. A-1202.

Never Fails to Catch and Kill.

DIRECTIONS FOR SETTING.—Press down the points until they touch the bottom of the trap, then bring the long end of the trigger up UNDER the spring, placing the SHORT END of the trigger over the cross-bar near the points, put the long end of trigger in the hole in pan, set as light as possible so that the gopher will spring it easily. Shove the trap into the hole, ring-end foremost, the full length of the trap or further if possible. Move the trap back and forth on the bottom of the hole so as to slightly cover the points, being careful not to get mud or a small stone behind the pan so as to make it hard to "throw."

Price. . . . . Per dozen, **$2 50**

Packed one dozen in a box.

Gopher and Mole Traps.

Dead Lock.

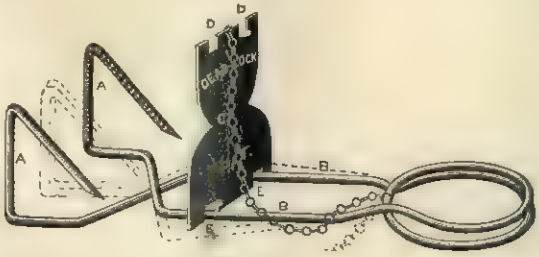


Fig. A-1203

Dead Lock . . . . . Per dozen, **$3 00**

"California" Gopher Trap.

Fig. A-1204.

Price . . . . . Per dozen, **$8 00**

Packed one dozen in a box.

"Out o' Sight."

Traps for Mice, Rats, Squirrels, etc.

The object of this trap is to enable you to catch those well-fed mice or rats that will not go into a baited trap—as well as the hungry ones. The base and trigger being made of wood, and the spring jaw turned back and lying flat over base, there is nothing to be seen to scare the animal, and it is caught and killed before it is aware of danger. It is "OUT O' SIGHT" in every respect. It is just the thing to clean mice out of pantries, grocery stores, etc., by setting where they run on shelves, through holes, between boxes and wall, or other suitable place.

Can Be Used with or without Bait.

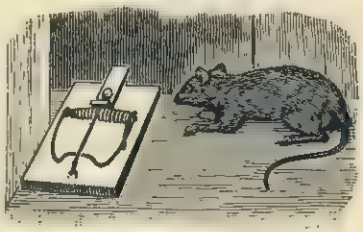


Fig. A-1205.

No. **1**. Per dozen **$1 00**
No. **2**. Per dozen **2 00**

Packed one dozen in a box.

Olmstead Mole Trap.

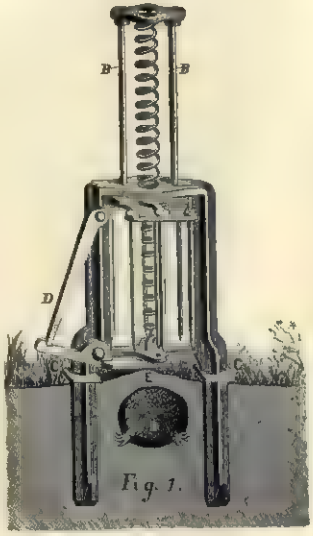


Fig. A-1206

Olmstead Mole Trap . . . . . Each, **$1 75**

Tin Mouse Traps.

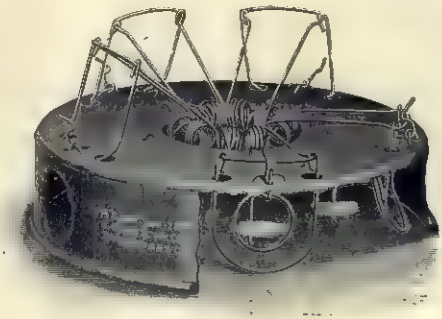


Fig. A-1207.

5 hole, Self-setting.

5-hole Tin Mouse Trap . . . . . Per dozen, **$2 00**

Mouse Trap.

Fig. A-1208

The Household requires no setting. Will catch several mice at a time, and not shed a drop of blood.

Per dozen **$3 00**

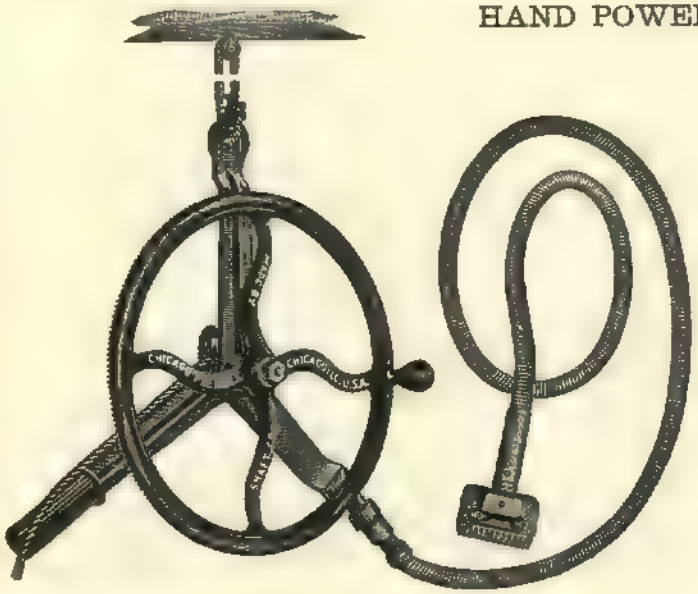
Roach Trap.

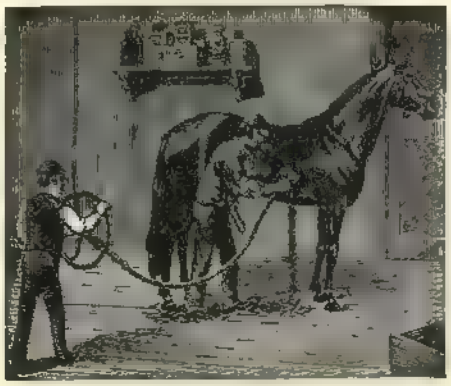
Fig. A-1209

"Champion Catcher, Roach and Water-Bug Trap . . . Per dozen, **$4 00**

NEW CHICAGO CLIPPING MACHINES.

HAND POWER, HORSE.

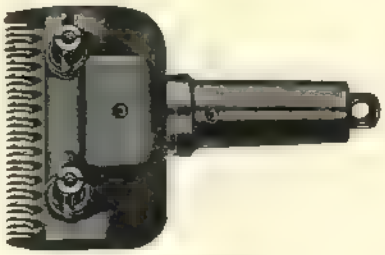




No. 98–Roller bearings, complete, - - - - - - - - - - - - - each $8.75

The greatest clipping machine in the world No belts No slip Fastest cutting Easiest turning, simplest and best working machine Made on same principle as the chainless bicycle Weight only 35 lbs. Makes 1,800 revolutions a minute Can be set up in one minute in any place by any one.

PARTS FOR CHICAGO CLIPPERS.

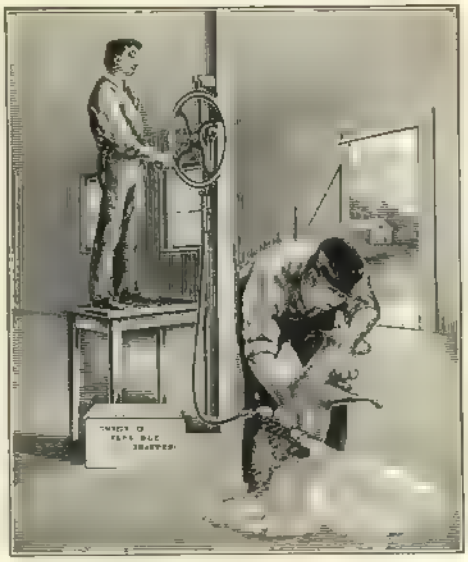


Knife and Handle.

3 in. knife with handle, complete,	each	$6 00
4 in. knife with handle, complete,	"	6.00
3 in. knife, without handle,	"	3.35
4 in. knife, without handle,	"	3.35
3 in. top plate,	"	1.35
3 in. bottom plate,	"	2.00
4 in. top plate,	"	1.35
4 in. bottom plate,	"	2.00
Grinding, all kinds of clippers,	"	70
Chain, for flexible shaft,	per foot	.40
Flexible Shaft, complete,	"	1.35

All 3 in. knives fit 3 in. handles. All 4 in. knives fit 4 in. handles.

HAND POWER, SHEEP.



No. 198–With 3 sets of cutters, - each $15.00

Price also includes 1 set horse clipper knives

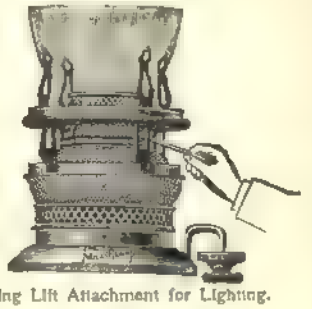
Extra Knives, for sheep shearing, - per set 2 00

A great labor saving device With this machine a sheep can be shorn as fast as the operator can move the knife An inexperienced operator should shear from 50 to 60 sheep the first day and more as his experience increases In construction this machine is very substantial All wearing parts are of steel and hardened Knives are of an entirely new pattern and require a speed of less than 1,000 revolutions for the fastest work.

CENTRAL DRAFT TABLE LAMPS.

NEW JUNO.

Aluminum Oil Indicator to Prevent Over Filling.



Showing Lift Attachment for Lighting.

Height 12½ in.

Height 12½ in.

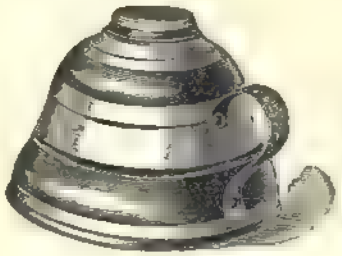
Height 12½ in.

Combined Ratchet and Screw Wick Adjustment.

Assortment No. D98 consists of 6 nickel plated stand lamps, two each of three patterns as illustrated above, complete with new folding tripod, 10 in white dome shade, No. 2 Rochester chimney and wick, per case, - $18.00

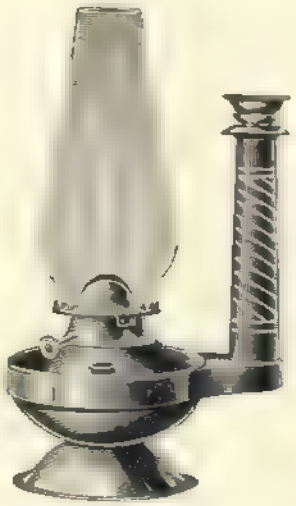
These Juno stand lamps are as fine as can be made They include every desirable feature found in any of the best lamps in the market. They give a very large white steady light, the burner is simple and easily cleaned, does not clog up Combined plunge and ratchet wick adjustment which will be found a great advantage Patent chimney lift for lighting, aluminum indicator to prevent overfilling The oil cannot run down the inner tube but returns to the reservoir if turned too high when not in use Every lamp has the new patent folding tripod They are made of heavy brass, of full standard size, and the finish is the best.

HAND LAMPS.



No. 640.

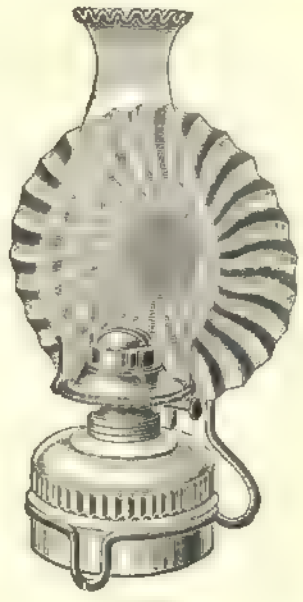
No. 790.



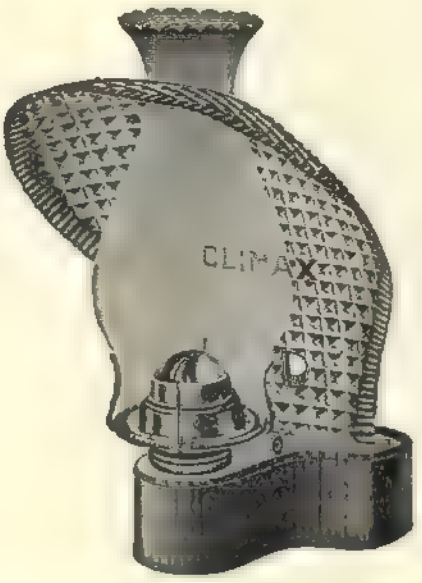
No. 581.

No. 640 Polished brass, height 2 in , No 0 Sun burner, ⅜ in. wick, - - - - - per dozen $ 2 50
No. 790–Bright tin, height 3½ in., No. 0 Sun burner, ⅜ in. wick, - - - - - " 3.25
No. 581 Bright tin, tubular, ⅝ in burner, ⅝ in wick, No. 1 Sun Hinge chimney, - - " 14.00

KITCHEN SIDE LAMPS.



No. 618.

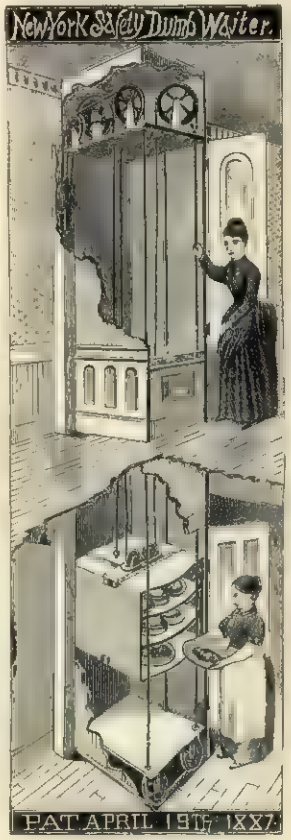


No. 583.

No. 618–Glass fount, tinned steel frame, No 2 Sun burner and chimney, 1 in wick, tin reflector, · per dozen $5.00
No. 583 Tin fount, blue, will not leak, No. 2 Sun burner and chimney, 1 in wick, tin reflector, · " 5.50

Dumb Waiter Fixtures.

The New York.



The most complete, simple, and absolutely safe Waiter made. Provided with a Safety Rope, avoiding accident. Entirely noiseless, and moves with perfect ease.

Fixtures one size only, adapted to any size Waiter. Can be adjusted by any carpenter or mechanic. Diagram and full directions accompany each set.

Handsomely bronzed, and packed one set in a box.

Price of fixtures . . . . . Per set, **$15 00**

The Humphrey Pony Hand Elevator.

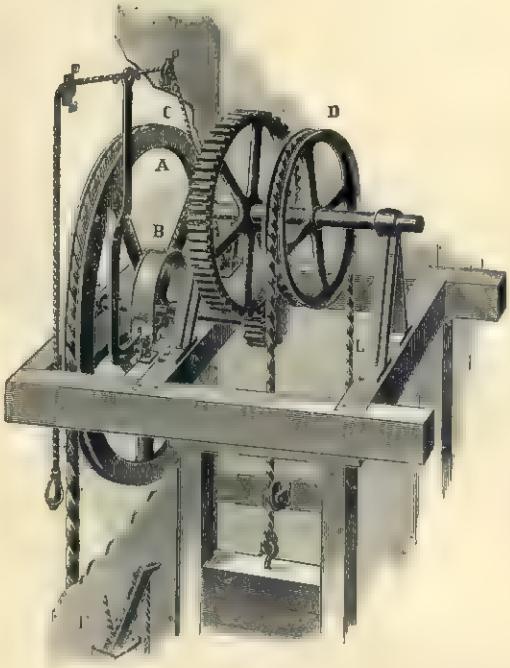


Fig. A-1108.

For light store and factory work, hospitals and public buildings; for trunk and invalid lifts, for carrying coal, flour, ashes, and other heavy substances in tenements, flats, and private dwellings.

So simple in construction, and price so low, that it can be used in many places instead of a dumb waiter, and has many times the lifting capacity.

Capacity, 500 pounds.

Price of Fixtures . . . . . Per set, **$60 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Lockett's" Railroad Step Ladder.

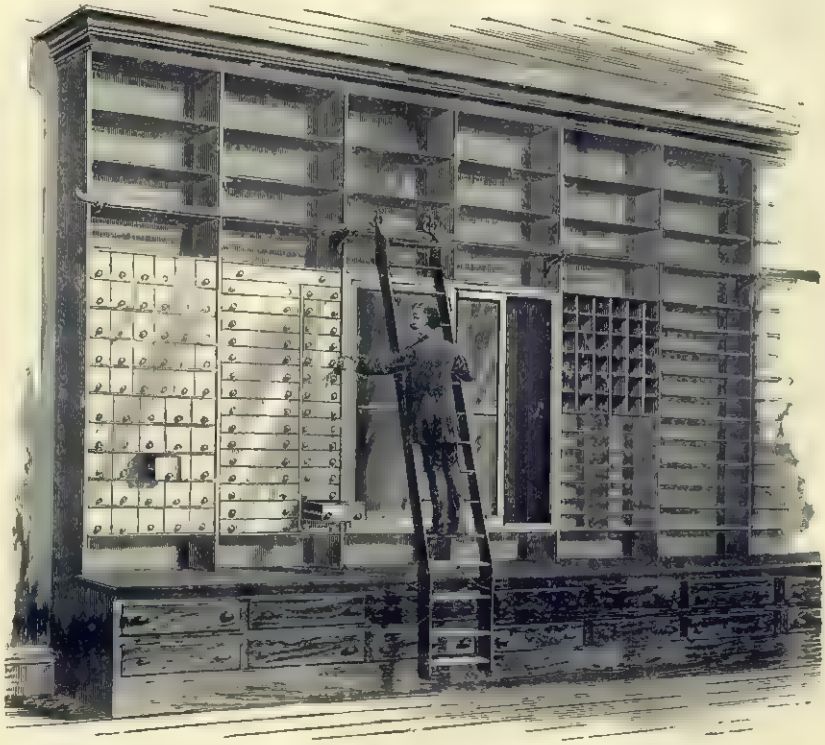


Fig. A–1109. Patented

Reasons why every Store should use the "Lockett" Railroad Step Ladder:

1. The Ladder is always in its place.
2. It is never in the way.
3. It prevents scratching and marring the shelving and goods on shelves.
4. It is perfectly steady, and any one can use it with perfect safety—a heavy man as well as a light one.
5. You can reach goods on shelving near ceiling just as easily as those lower down.
6. A man can easily pull himself along while standing on the ladder, without being obliged to get down and place ladder twice to reach goods a few feet away.
7. The ladders will very soon pay their cost by saving time in taking down and putting up goods. The top shelf is made wide on this account.
8. When once equipped with ladders and rail all expenses in that line are at an end.
9. Every one who has used them pronounced them PERFECT.
10. Should you have occasion to change your place of business, the ladders and rail (rail being made in sections) can be taken down and adjusted in another place.

In ordering Ladder Fixtures and Rail be particular to observe the following Directions:

FIRST—State how many Ladders you will require. (Would suggest using one for every 30 to 50 feet of shelving.)
SECOND—Give length of Rail required.
THIRD—Give number of Standards in each line of shelving, and send a diagram giving distances from the center of each Standard. This information is necessary in order for us to know the number of Brackets you will require.

PRICE OF ALL THE IRON WORK COMPLETE FOR THE LADDERS.

Roller Hangers and Braces	Per Pair or Set,	$13 50
Brackets for Holding Rail in Place	Each,	75
Jointed Rail, Finished with Splice Screws	Per Foot	40
Roller Brackets for Bottom of Ladder	Each	1 25

Dumb Waiter Fixtures

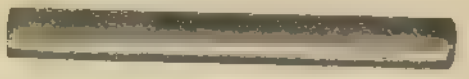
New York Safety

New York Dumb Waiter Fixtures . . . . . Per Set, $

One Set in a Box

There is but One Size of these Fixtures, suitable for openings, not to exceed 24 inches square. They are provided with a safety rope, avoiding accident or breakage in case the hanging rope breaks or is cut. They are so simple to set up, that any ordinary mechanic by the aid of the printed instructions, which accompany each set would never fail to complete it properly. These fixtures run closer to the casing and nearer to the floor than any other kind. Each set is provided with a grip, in order that the Car, when loaded beyond balance, may be hung any desired point. They are absolutely noiseless, and move so easily that any child of ten years can operate it, and hoist from fifty to seventy-five pounds.

Speaking Tube.



No. 1 Tin Speaking T[illegible] inch 6 [illegible] lengths, . Per Hundred Feet, $

Speaking Tube Elbows.

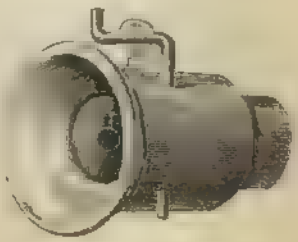
Square

Round.

No. 8—Square Tin Speaking T[illegible] inches [illegible]
" 10— round " " " " [illegible]

Per Hundred. $

Speaking Tube Whistles.



No. 50. Nickel Plated, without Indicator
" 52 " " with "
" 154. Japanned Porcelain Mouth Piece without Indicator
" 152— " " " with "

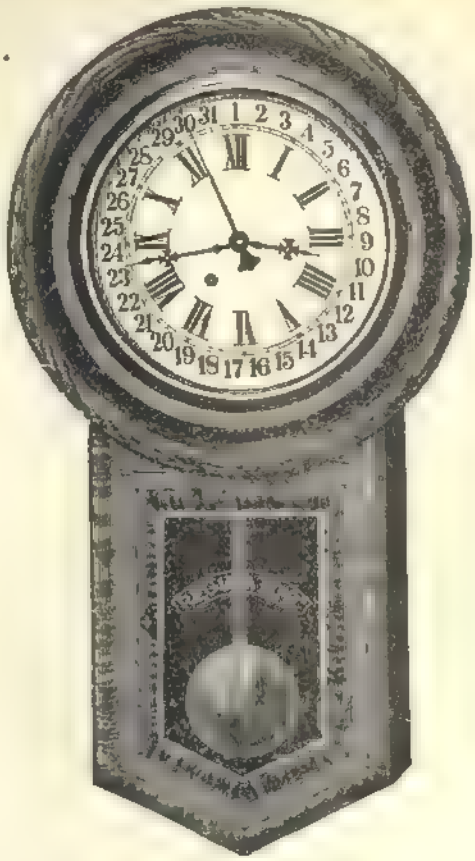
Per Dozen $[illegible]
"
"
"

Made Double for a Bell

CLOCKS.

Occidental, Oak or Walnut, Mirror on Sides, Height 24 in., Dial 6 in.

8 Day Strike,	each	$8 50
8 Day Strike Alarm,	"	9 00
8 Day Gong,	"	8 90
8 Day Gong Alarm,	"	9 40

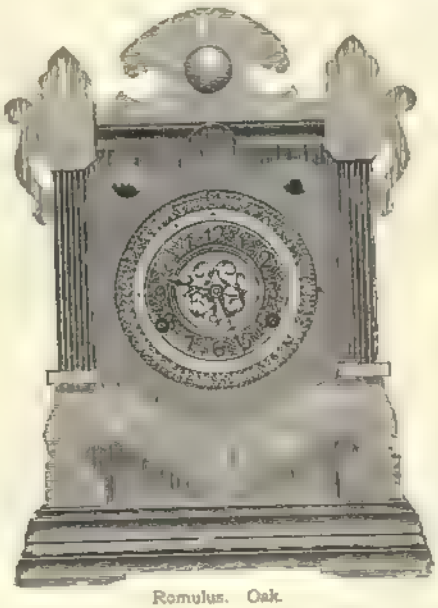


Showing Calendar.

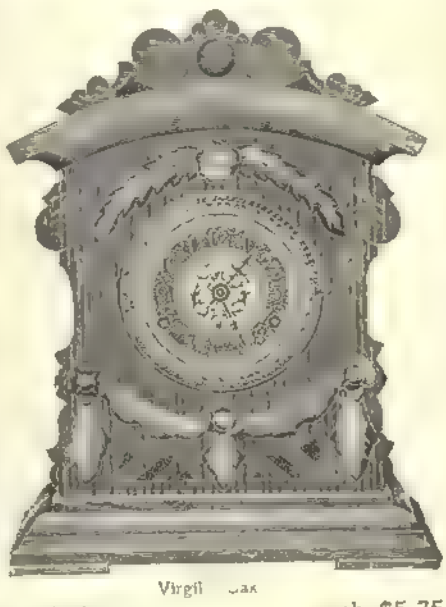
Regulator, Oak or Walnut, Height 23 in., Dial 12 in.

8 Day Time,	each	$8.30
8 Day Strike,	"	9.30
8 Day Time, Calendar,	"	8 80
8 Day Strike, Calendar,	"	9 80

Nero. Polished Oak.



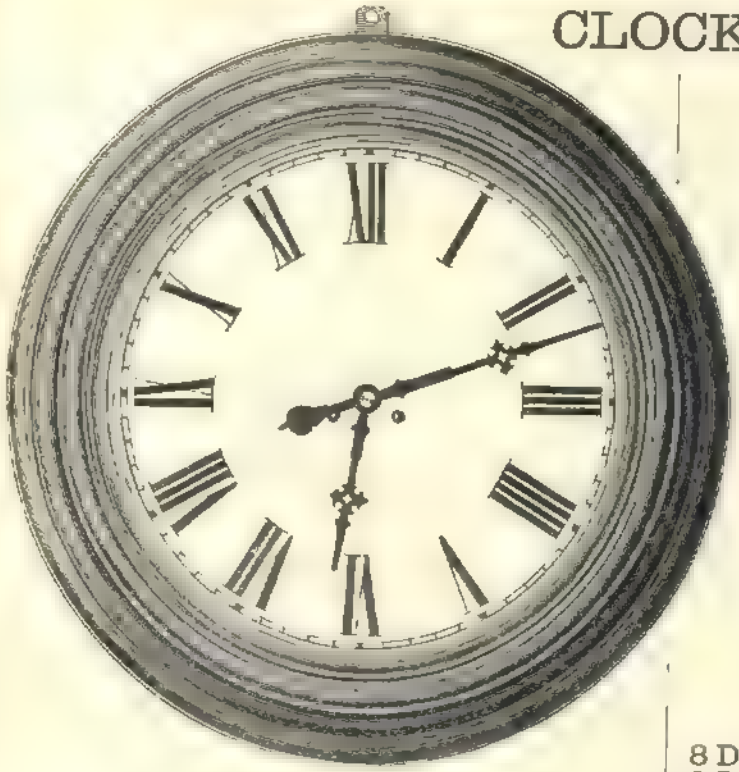
Romulus. Oak.



Virgil. Oak.

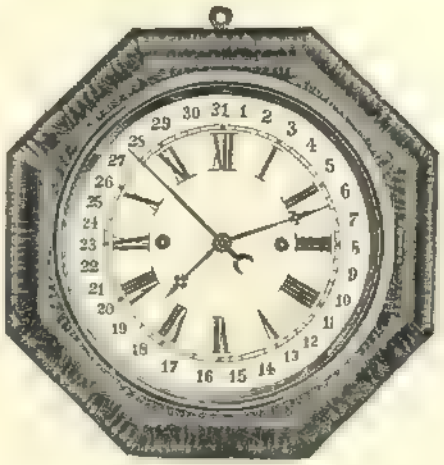
Nero,	height 16 in.	width 12 in., dial 6 in. 8 day, half hour strike on cathedral gong	each $5.75
Romulus,	height 15¼ in.	width 12 in., dial 6 in., 8 day, half-hour strike on cathedral gong,	" 5 00
Virgil,	height 15¼ in.	width 12 in., dial 6 in., 8 day, half hour strike on cathedral gong,	" 6 00

CLOCKS.



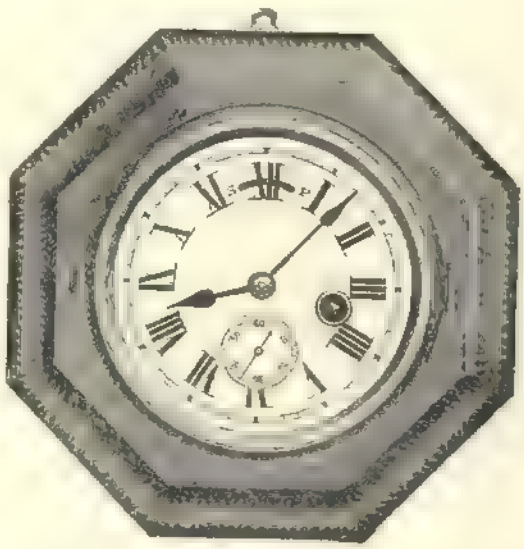
Gallery, Oak or Walnut Case.

8 Day Time, 14 in. Dial,	each	$15.00
30 Day Time, 14 in. Dial,	"	17 00
8 Day Time, 18 in. Dial,	"	18 00
30 Day Time, 18 in. Dial,	"	20.00



Lever Calendar, Polished Veneered Wood.

8 Day Time, 8 in. Dial,	each	$5 25
8 Day Time, 10 in. Dial,	"	5.95
8 Day Time, 12 in. Dial,	"	6.65



Octagon Lever, Polished Veneered Wood.

1 Day Time, 4 in. Dial,	each	$2 30
1 Day Time, 6 in. Dial,	"	3 20
8 Day Time, 6 in. Dial,	"	4 20
8 Day Time, 8 in. Dial,	"	4 75
8 Day Time, 10 in. Dial,	"	5 45
8 Day Time, 12 in. Dial,	"	6 15

Canton Lever, Polished Nickel Plated Case.

1 Day Time, 6 in. Dial,	each	$3 20
1 Day Time, 8 in. Dial,	"	3 75
8 Day Time, 6 in. Dial,	"	4 20
8 Day Time, 8 in. Dial,	"	4 75
8 Day Strike, 8 in. Dial,	"	6.75

Vises.

On o King

Nos. 1 to 3.

No. 5.

Nos. 4 and 6.

No. 1 Jaws,
" 1½ "
" 2 "
" 2½ " Steel "
" 3 " with Swivel Jaw Attachment
" 4 Iron
" 5 Steel

Weight	Per Dozen.
" 11 lbs.,	"
" 2 "	"
" 2½ "	"
" 3 lbs.	"
" 5 "	"

Nos. 6 and 7.

No. 8.

No. 6 Jaws, with Swivel Jaw Attachment
" 7 "
" 8 "
" " with Swivel Jaw Attachment
" Stand.
Complete " with Sample Stand.

Weight	Per Dozen.
5 lbs.,	"
6 lbs.,	"
8 lbs.,	"

Each
Per Set.

Vises.

Emperor

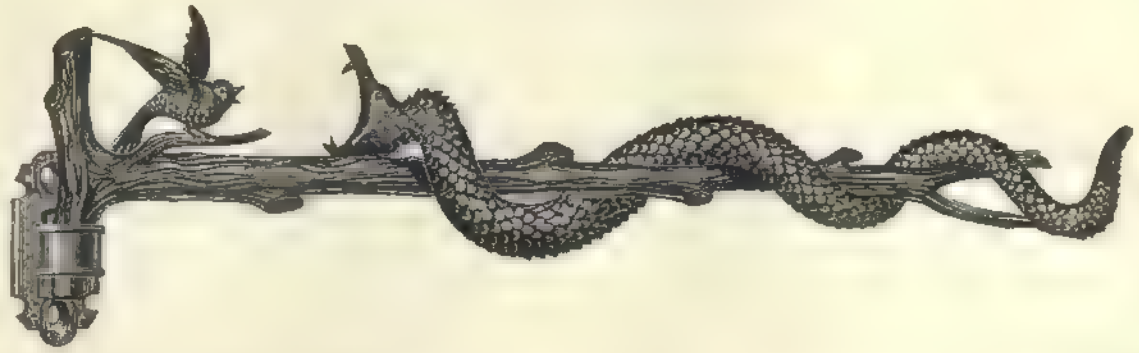
No.				Weight, about	Per Dozen, about
"	113	1¼ in.,	Iron Jaws,	12 lbs.,	
"	114	1½ "	"	14 lbs.,	
"	115	1¾ "	"	18 lbs.,	
"	116	2 in.,	Steel Jaws	23 lbs.,	
"	117	2 "	" with Swivel Jaw Attachment	25 lbs.,	
"	118	1¼ in.,	Steel Jaws,	23 lbs.,	
"	119	1½ "	" with Swivel Jaw Attachment	25 lbs.,	
"	120	1¾ in.	Iron Jaws,	17½ lbs.,	
"	121	2 "	" with Swivel Jaw Attachment	20 lbs.,	
"	122	2½ in.,	Steel Jaws,	44 lbs.,	
"	123	3 "	" with Swivel Jaw Attachment	44 lbs.,	
"	125	4 "	"	44 lbs.,	
"	126	3 in.,	" with Swivel Jaw Attachment,	45 lbs.,	
"	127	3½ in.,	"	4 lbs.,	
"	128	4 in.	" with Swivel Jaw Attachment	4 lbs.,	
"	129	3 in.	"	4 lbs.,	
"	130	3 in.	" with Swivel Jaw Attachment,	8 lbs.,	

Sample Stand, Each

Complete Set of 12 Vises Nos. 112 to 123 with Sample Stand, Per Set,

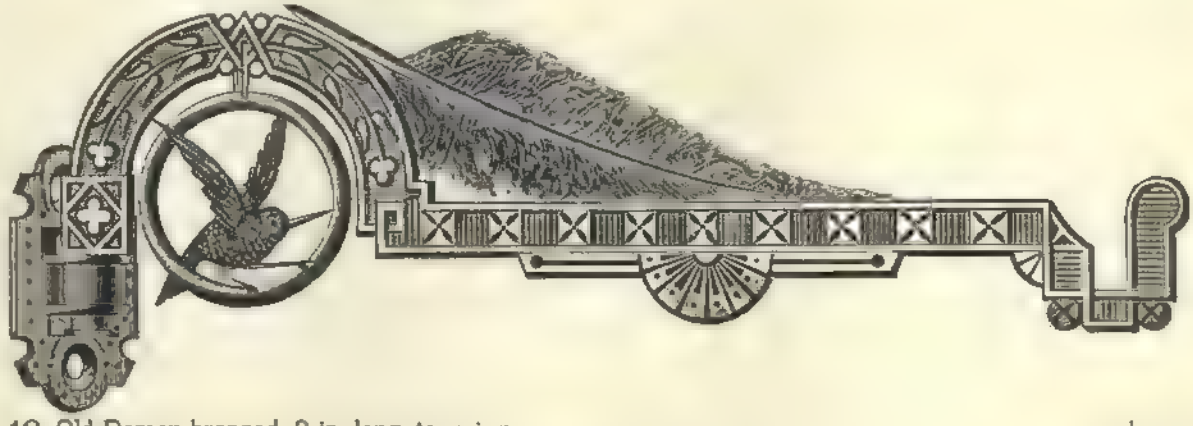
Complete Set of 18 " Nos. 112 to 130 "

BIRD CAGE HOOKS.



No. 120–Enameled, 9 in. long, to swing, - - - - - - - - - - per dozen $1.15

ONE DOZEN IN A BOX.

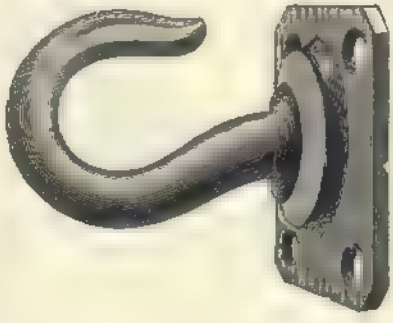


No. 148–Old Roman bronzed, 9 in. long, to swing, - - - - - - - - - per dozen $1 25

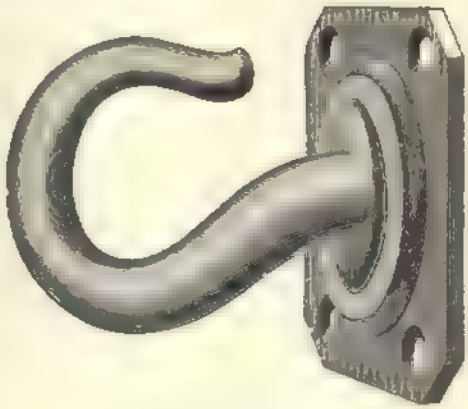
ONE DOZEN IN A BOX.

CLOTHES LINE HOOKS.

No. 3.



Nos. 2 and 20.



Nos. 1 and 10

No. 3–Japanned, heavy,	per dozen	$0.30
No. 2–Japanned, heavy,	"	0.35
No. 20–Galvanized, heavy,	"	0.50
No. 1–Japanned, extra heavy,	"	0 75
No. 10–Galvanized, extra heavy,	"	1 20

No. 3, TWO DOZEN, BALANCE ONE DOZEN IN A BOX.

"Atkin's" Cross-cut Saws.

Atkin's Tuttle Tooth.

The "Best Saw for the Money in the World."

THE ORIGINAL TUTTLE TOOTH.

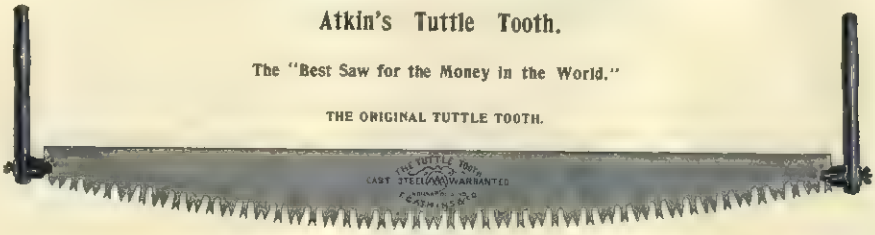


Fig. A–2055.

Feet,	4	4½	5	5½	6	6½	7	7½	8
Special Steel, 14x18 Gauge	$2 00	2 26	2 50	2 76	3 00	3 26	3 50	3 76	4 00

Lance Tooth. Perforated.

Patented Feb. 12, 1884.

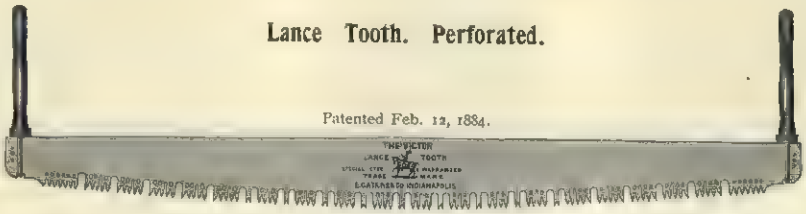


Fig. A–2056.

Feet,	4	4½	5	5½	6	6½	7	7½	8
Thin Back, 14x18 Gauge	$2 40	2 70	3 00	3 30	3 60	3 90	4 20	4 50	4 80

Atkin's Concave Tooth Dexter.

Special Selected Steel.

Patented.

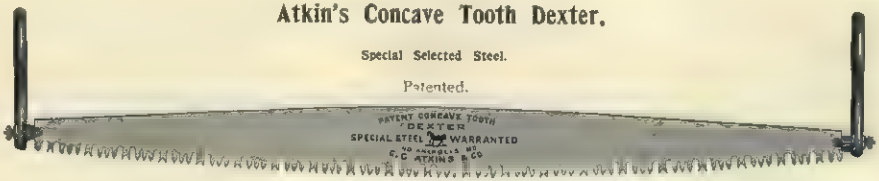


Fig. A–2057.

Feet,	4	4½	5	5½	6	6½	7	7½	8
Thin Back, 14x18 Gauge	$3 20	3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40

Segment Ground.

The improvement consists in grinding away the central portion of the plate, extending from the back to within about two inches of the cutting edge, leaving the saw strong at the ends, and allowing for wear on the toothed side without making the saw thinner in the center than at the ends, and is the most perfectly constructed saw on the market

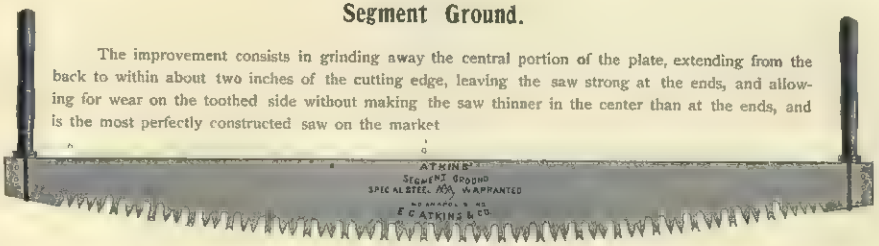


Fig A 2058

Feet	4	4½	5	5½	6	6½	7	7½	8
Thin Back, 14x19 Gauge	$3 20	3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40

Tiller and Box for Pit Saws.

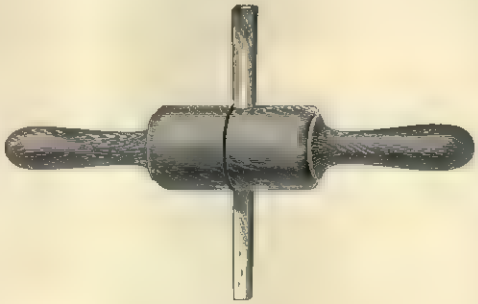


Fig. A-2050.

Box for Pit Saw . . . . . Each, **$1 00**

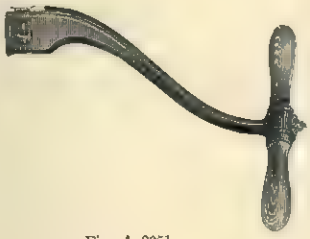


Fig. A-2051.

Tiller . . . . . Each, **$1 25**

Pit Saws.

Fig. A 2052

Size, Feet.	6	6½	7
Each	$6 00	6 50	7 00

One Man Saws.

Tuttle Tooth.

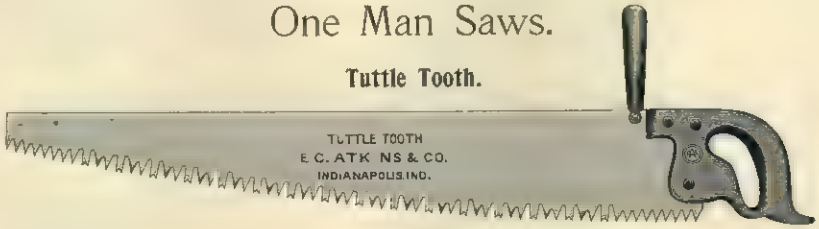


Fig. A-2053.

Size, Feet,	3	3½	4	4½	5	5½	6
Tuttle Tooth . . . . . Each,	$1 98	2 18	2 64	2 94	3 24	3 56	3 92

Disston's Great American.

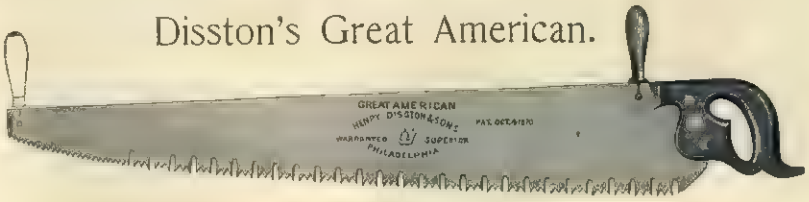


Fig. A-2054.

Size, Feet.	3	3½	4	4½	5	5½	6
Each	$2 55	2 75	3 25	3 65	4 10	4 55	5 00

Ashcroft's Square Case Revolution Counter.

BRASS.

Fig. A–2977.

4 Figures, Size 7x2½ Inches	Each, $20 00	4 Figures, Size 4½x1¼ Inches	Each, $13 80
5 Figures, Size 8x2½ Inches	" 24 00	5 Figures, Size 5 x1¾ Inches	" 16 00
6 Figures, Size 9x2½ Inches	" 28 00	6 Figures, Size 5¼x1¾ Inches	" 20 00
7 Figures, Size 10x2½ Inches	" 32 00	7 Figures, Size 6 x1¾ Inches . .	" 24 00

Standard Square Case Counter.

Fig. A–2978.

Description.

This Counter is made entirely of steel and brass. The frame is cast brass; the front and back sheet brass, three-thirty-seconds of an inch thick, the lever, pawl, unit wheel, springs and pinions are of steel of the best quality for the purpose, the wheels, upon which the figures are plainly stamped in black, are brass.

The entire machine presents a handsome and well-finished appearance.

Directions for Use.

Attach the counter firmly to (or near) the machine on which it is intended to be used, connecting the lever with the movement you wish to register with a wire or chain. To set at zero commence at the left hand figure and turn the wheels with the thumb-screws in front in the direction indicated by the arrows to the figure 0, put the lever in motion, and all is ready to commence your count. In the same manner the machine can, of course, be set at any number desired. The machine requires no oil

No. 4. Size 4¾x1 9-16x⅝ Inches, Weight 11 Ounces, Count 10,000 . . . . . Each, $10 00
No. 5. Size 5¾x1 9-16x⅝ Inches, Weight 14 Ounces, Count 100,000 . . . . . " 12 00

Ashcroft's Square Case Revolution Counter.

BRASS.

Fig. A–2977.

4 Figures, Size 7x2½ Inches	Each, $20 00	4 Figures, Size 4½x1¼ Inches	Each, $13 80
5 Figures, Size 8x2½ Inches	" 24 00	5 Figures, Size 5 x1¾ Inches	" 16 00
6 Figures, Size 9x2½ Inches	" 28 00	6 Figures, Size 5¼x1¾ Inches	" 20 00
7 Figures, Size 10x2½ Inches	" 32 00	7 Figures, Size 6 x1¾ Inches . .	" 24 00

Standard Square Case Counter.

Fig. A–2978.

Description.

This Counter is made entirely of steel and brass. The frame is cast brass; the front and back sheet brass, three-thirty-seconds of an inch thick, the lever, pawl, unit wheel, springs and pinions are of steel of the best quality for the purpose, the wheels, upon which the figures are plainly stamped in black, are brass.

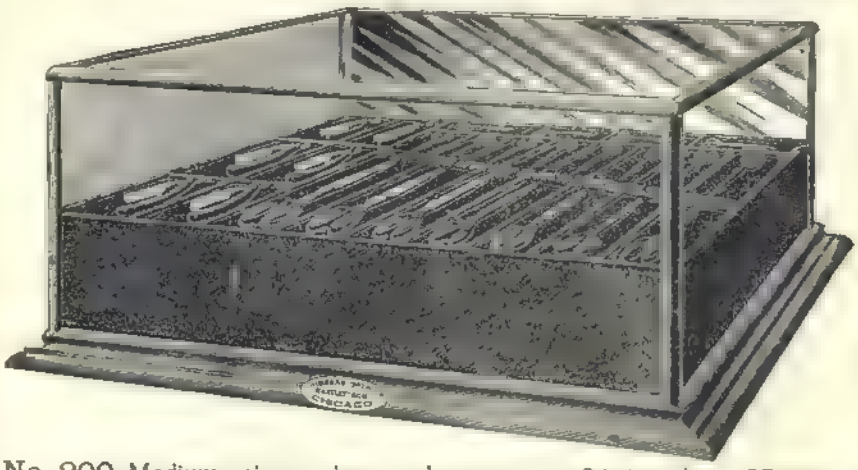
The entire machine presents a handsome and well-finished appearance.

Directions for Use.

Attach the counter firmly to (or near) the machine on which it is intended to be used, connecting the lever with the movement you wish to register with a wire or chain. To set at zero commence at the left hand figure and turn the wheels with the thumb-screws in front in the direction indicated by the arrows to the figure 0, put the lever in motion, and all is ready to commence your count. In the same manner the machine can, of course, be set at any number desired. The machine requires no oil

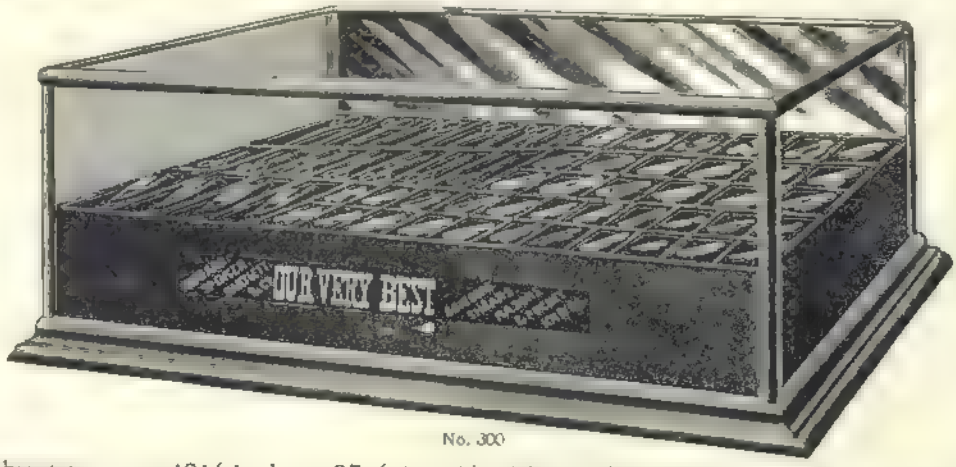
No. 4. Size 4¾x1 9-16x⅝ Inches, Weight 11 Ounces, Count 10,000 . . . . . Each, $10 00
No. 5. Size 5¾x1 9-16x⅝ Inches, Weight 14 Ounces, Count 100,000 . . . . . " 12 00

"OUR VERY BEST" CUTLERY SHOW CASES.



Handsomest and most convenient cutlery showcase made. The inside is covered with crimson silk plush or blue Windsor billiard cloth, divided into compartments large enough to admit of sample, and underneath this sample board is a drawer partitioned off in a similar manner, and each partition large enough to contain one half dozen of each article. The case is of the best material and workmanship, having mirror door with catch and spring hinges. It will prove a useful ornament to any store. The price of the show case is not figured at all; we place the best price on the goods at which we will sell these goods separately, and the case we furnish with the idea of assisting our customers in keeping the stock in good order and complete.

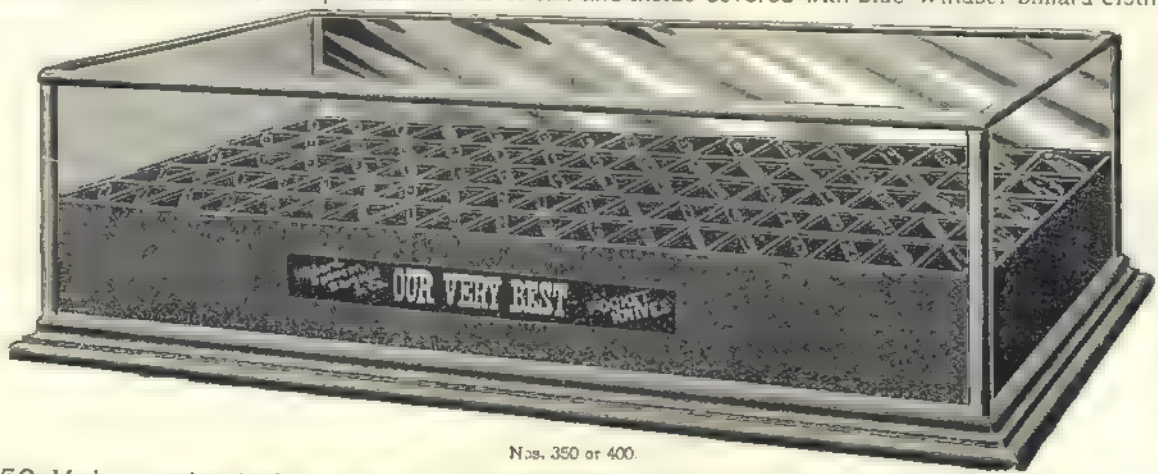
No. 200 Medium scissor, shear and razor case, 34½ in. long, 27½ in. wide, 14½ in. high, will contain 19 patterns of scissors and shears and 6 patterns of razors. Finished in cherry with plush inside



No. 300

No. 300 Combination case 40½ in. long, 27½ in. wide, 14½ in. high, will contain 40 patterns of pocket knives, 13 patterns of scissors and shears and 4 patterns of razors. Finished in cherry with plush inside.

No. 0300 Same as No. 300, except that frame is of oak and inside covered with blue Windsor billiard cloth



Nos. 350 or 400.

No. 350 Medium pocket knife case, 40½ in. long, 27½ in. wide, 14½ in. high, will contain 70 patterns of pocket knives. Finished in cherry with plush inside

No. 0350 Same as No. 350, except that frame is of oak and inside covered with blue Windsor billiard cloth

No. 400 Large pocket knife case, 54 in. long, 27½ in. wide, 14½ in. high, will contain 115 patterns of pocket knives. Finished in cherry with inside covered with plush.

Ask for Our Plan of Furnishing These Cases without Charge.

Paillard Non-Magnetic Watches, made in 16 Size 3-4 Plate

No. 83

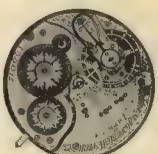
No. 71.

NON MAGNETIC WATCH CO

Gentlemen—During the past six months I have submitted the watches containing Paillard's patent Non-Magnetic Compensation Balance and Hairspring to tests in different fields of magnetism. I find them exempt from magnetic influence, however strong, and practically no retardation of the balance; no change in rate seems even when in actual contact with dynamos or powerful electro magnets. I have been carrying one of your watches in my pocket and going around dynamos and other electrical appliances, where I have never been able to carry a watch without fitting it, and it has proved an excellent time keeper. I consider Paillard's Balance and Hairspring a most wonderful and valuable invention not only for workers around electrical but wherever accurate time is required

ORANGE, N J., December 7, 1887.

THOMAS A EDISON



No. 81.

U. S. NAVAL OBSERVATORY
WASHINGTON, D. C

WASHINGTON, March 23 1889.

NON MAGNETIC WATCH CO

Gentlemen—In reply to your request for my opinion respecting Paillard Non-Magnetic Watches sent me for trial, I have much pleasure in stating that their time keeping qualities proved to be of a very high order and apparently equal to those of similar watches with steel hairsprings and brass and steel compensation balances. Beyond all question your watches are insensible to magnetism, and their balances and hairsprings are also incapable of rusting. To the general public the latter advantage is at present almost as great as the former, but if the Paillard principles come into general use all steel watches will be found objectionable, and non magnetic watches will become a necessity. Yours are excellent

Yours respectfully
WM HARKNESS.
Director of Observatory.

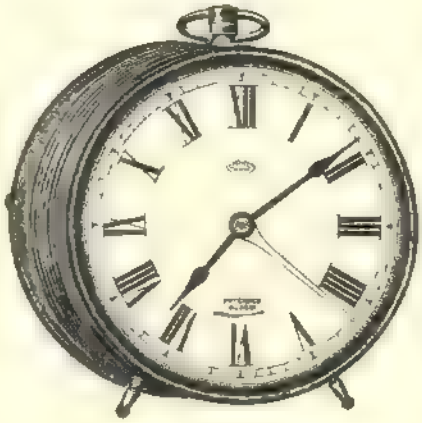
No. 72.

No. 84.

No. 73.

ALARM CLOCKS.

PARKER CLOCK CO'S.



Front

Back

No. 99P Rotary hammer, one day alarm, 4¼ in. dial, heavy brass case, nicke. plated, · · each $1.40

Can be drawn from the case in a second's time by simply pressing the buttons at the sides. Main springs can be removed, also replaced without disturbing the escapement or the trains. The hands are easily set to any position on dial circle, even by those hav ng tender fingers. The steel pallet faces are well polished and all wheels and pinions have higher number of teeth than any other one day clock. The centrally mounted alarm pointer is an important feature, the advantage of which is apparent.

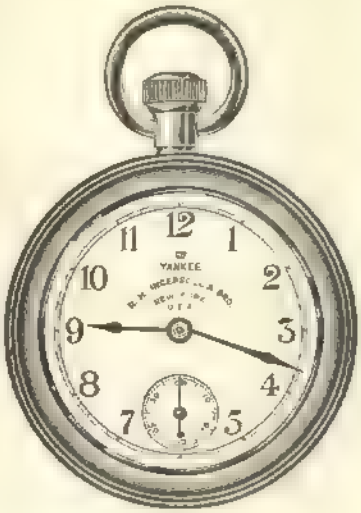
Front

Back

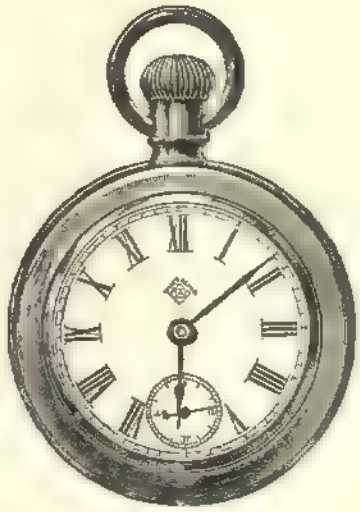
No. 97P–Rotary hammer, one day alarm, 4¼ in. dial, heavy brass case, nickel plated, · · · each $1.70

This is a heavier clock than the No. 99P having a plain case, but otherwise is the same.

WATCHES.



Yankee

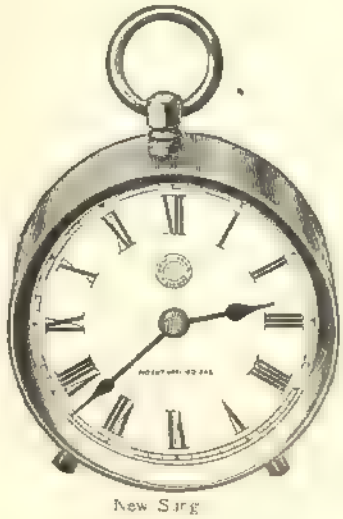

Ansonia

Yankee, nickel plated case, hinged back, back wind and back set, - - - - - - - - each $1.50
Ansonia, nickel plated case, stem wind, stem set, accurate time piece, - - - - - - - " 2 00

ONE IN A WOOD BOX.

CLOCKS.

America


New Sting

America, 4 in. dial, 30 hour, alarm, highly nickel plated - - - - - - - - each $1 20
New Sting, 2 in dial, 1 day time seamless case, front nickel plated, - - - - - - - ' 1 50
New Sting, 2 in dial, 1 day time, seamless gilt, malachite or vein blue case, - - - - ' 1 20
New Sting, with pearl dial, - - - - - - - - - - - - - - extra, " 20

ONE IN A WOOD BOX

STUDENT LAMPS.

Perfection.

No. 6881 Nickel plated, complete with 7 in white shade and No 1 student chimney and wick, - each $5 00

TABLE LAMPS.

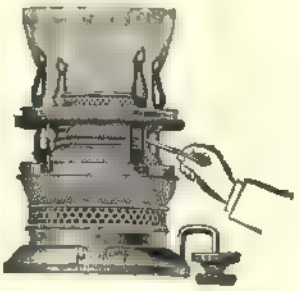
No. D1152.

No. 1140.

No. D1152–Heavy pressed glass, height 10 in., No. 2 collar, without burner or chimney, - - per dozen $ 7.50
No. D1153–Same as No D1152, complete with No. 2 sun burner and chimney, - - - " 9 75
No. 1140–Brass bowl and bronzed iron base, height 10¾ in., No. 2 collar, no burner or chimney, " 13.00
No. 1143–Same as No. 1140, complete with No 2 sun burner and chimney, - - - " 15.25

CENTRAL DRAFT TABLE LAMPS.

JUNO.



Showing Lift Attachment for Lighting.

No D9070

NEW MILLER.

Nos. D9107 and D9108.

With Tripod, White Dome Shade and Chimney.

Combined plunge and ratchet wick adjustment. Patent chimney l ft for lighting. Aluminum oil indicator to prevent over f l ng

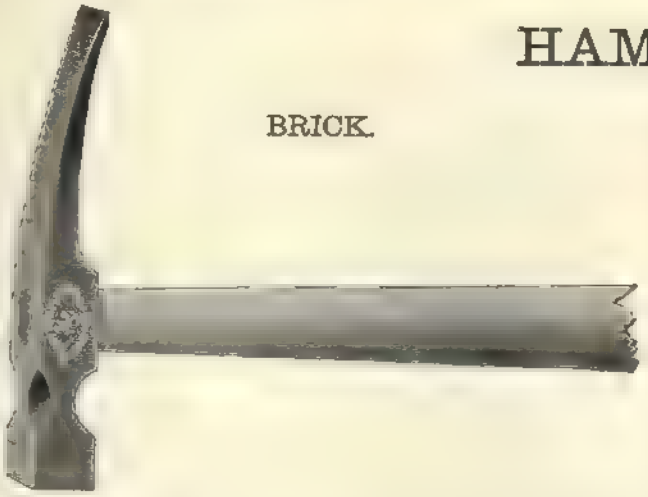
No. D9070–Juno lamp, nickel plated, complete with tripod, 10 in white dome shade and No 2 Rochester chimney and wick, - - - - - - - - - - - - - - per dozen $34.00

No. D9107–Miller lamp, brass, embossed, complete with tripod, 10 in. white dome shade and No 2 Rochester chimney and wick, - - - - - - - - - - - - - - per dozen 42.00

No. D9108–Miller lamp, brass, nickel plated, embossed, complete with tripod, 10 in. white dome shade and No. 2 Rochester chimney and wick, - - - - - - - - - - - - per dozen 48.00

HAMMERS.

BRICK.



No. 2–Cast steel, weight 2 lbs., . . per doz. $15 00
HALF DOZEN IN A BOX

PROSPECTING.

No. 1–Cast steel, polished, weight 1⅜ lb., per doz. $14.00
No. 2–Cast steel, polished, weight 1¾ lb., per doz 15.00
ONE-THIRD DOZEN IN A BOX.

PROSPECTING PICKS.

No. 1–Cast steel, polished, weight 1 lb., per doz. $15 00
No. 2–Cast steel, polished, weight 1½ lb., per doz. 16.00
HALF DOZEN IN A BOX

SORTING.

Solid Cast Steel, Axe Finish.

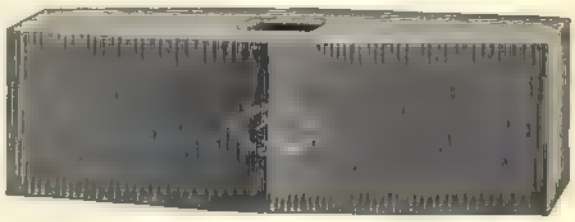
1½ lb.,	per lb. $0.50
1¾ lb.,	" .50
2 lbs.	" .50

MASONS'.

Solid Cast Steel, Axe Finish.

Under 3 lbs.,	per lb. $0.50
3 to 4½ lbs.,	" 45
5 lbs. and over,	" 40

MASONS', DOUBLE FACE.



Solid Cast Steel, Polished Faces, Oil Finished.

Under 3 lbs.,	per lb. $0.45
3 to 4½ lbs.,	" .40
5 lbs. and over,	" .36

HAMMERS, SLEDGES AND MAULS.

REGULAR PATTERN. STRIKING HAMMERS.

Solid Cast Steel, Polished Faces, Oil Finished.

Under 3 lbs.,	per lb.	$0.45
3 to 4½ lbs.,	"	.36
5 to 14 lbs.,	"	30

CALIFORNIA PATTERN. HAND DRILLING HAMMERS.

Solid Cast Steel, Polished Faces, Oil Finished.

3 to 4½ lbs., - - - - per lb. $0.40

OREGON PATTERN. STRIKING HAMMERS.

Solid Cast Steel, Polished Faces, Oil Finished.

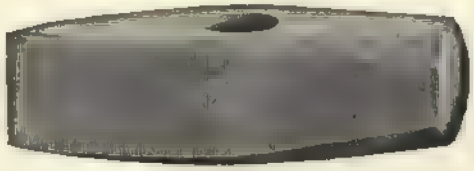
4 and 4½ lbs.,	per lb.	$0.36
5 to 12 lbs.,	"	.30

COAL MINERS' SLEDGES.

Solid Cast Steel, Polished Faces, Oil Finished.

5 to 8 lbs., - - - - - per lb. $0.30

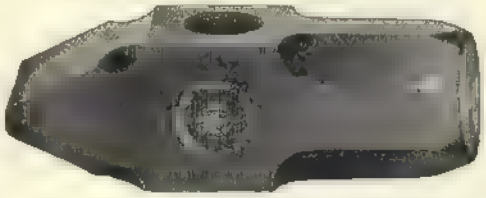
STONE SLEDGES.



Solid Cast Steel, Forge Finished and Oiled.

6 to 20 lbs., - - - - - per lb. $0.30

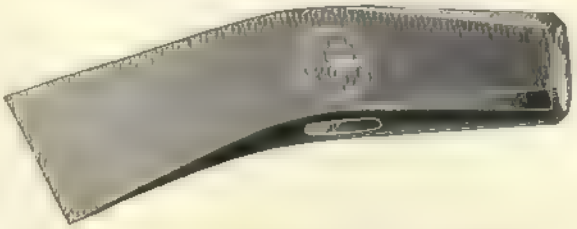
CROSS PEIN. BLACKSMITHS' SLEDGES.



Solid Cast Steel, Polished Face and Pein, Oil Finished.

4 lbs.,	per lb.	$0.36
5 to 18 lbs.,	"	.30

LAKE SUPERIOR PATTERN. WOOD CHOPPERS' MAULS.



Solid Cast Steel, Polished Face, Oil Finished.

6½, 7, 7½ and 8 lbs., - - - per lb. $0.36

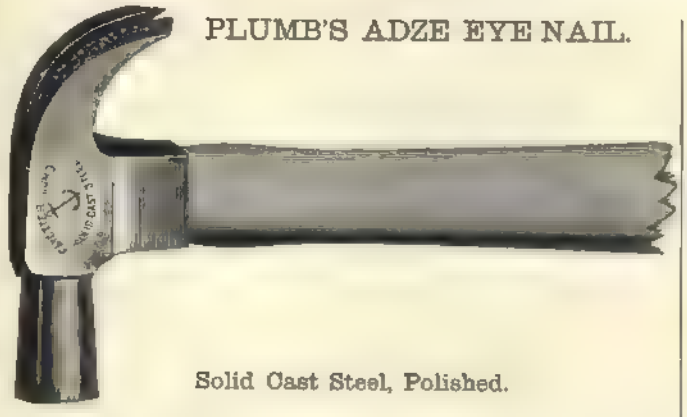
OREGON PATTERN. WOOD CHOPPERS' MAULS.

Solid Cast Steel, Polished Face, Oil Finished.

6 to 12 lbs., - - - - per lb. $0.36

HAMMERS.

PLUMB'S ADZE EYE NAIL.



Solid Cast Steel, Polished.

No.	0 Box	1	1½	2
Weight,	1 lb. 12 oz.	1 lb. 4 oz.	1 lb.	13 oz.
Per dozen	$12.50	9.00	8.50	8.00

HALF DOZEN IN A BOX.

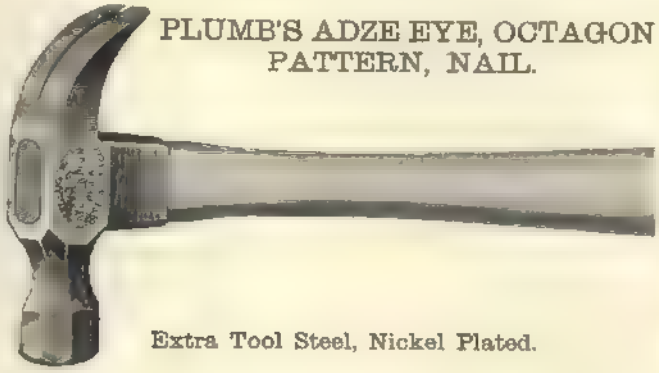
PLUMB'S ADZE EYE, BELL FACE, NAIL.

Solid Cast Steel, Polished.

No.	1	1½	2
Weight,	1 lb. 4 oz.	1 lb.	13 oz
Per dozen	$9.00	8.50	8 00

HALF DOZEN IN A BOX.

PLUMB'S ADZE EYE, OCTAGON PATTERN, NAIL.



Extra Tool Steel, Nickel Plated.

No. 21½–Hickory handle, weight 17 oz., per doz. $13.50
No. 31½–Apple handle, weight 17 oz., " 15.00

HALF DOZEN IN A BOX.

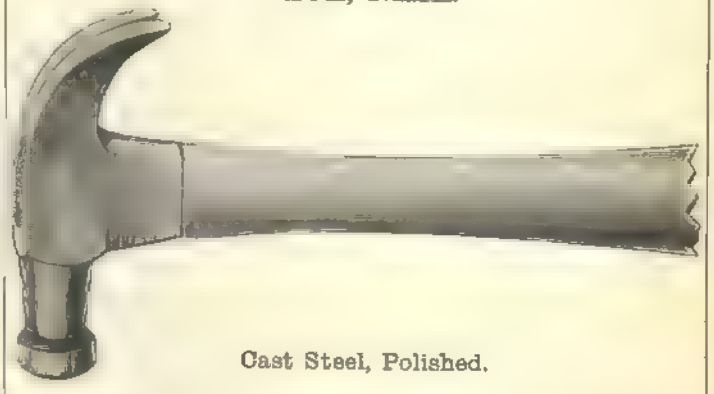
CALUMET ADZE EYE.

Cast Steel, Polished.

No. 01½–Size 1½, weight 1 lb., - per doz. $6.50

HALF DOZEN IN A BOX

CALUMET ADZE EYE, BELL FACE, NAIL.

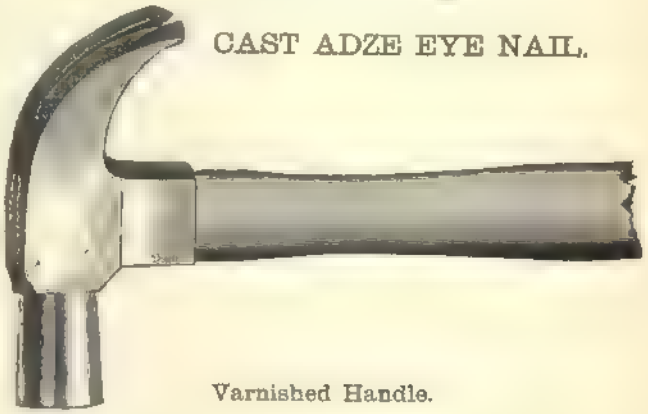


Cast Steel, Polished.

No. 011½–Size 1½, weight 1 lb, - per doz $6.50

HALF DOZEN IN A BOX

CAST ADZE EYE NAIL.



Varnished Handle.

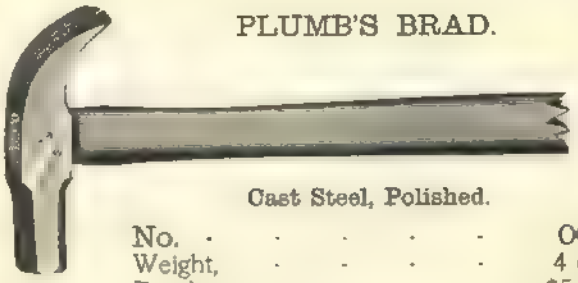
No. 12–Polished, weight 1 lb., - per doz. $2.25
No. 22–Nickel plated, weight 1 lb., " 3.50

HALF DOZEN IN A BOX.

ABOVE WEIGHTS DO NOT INCLUDE HANDLES

HAMMERS.

PLUMB'S BRAD.

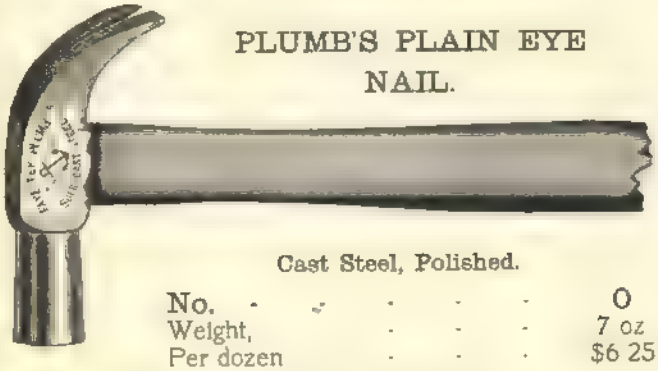


Cast Steel, Polished.

No.	00
Weight,	4 oz.
Per dozen	$5 50

ONE DOZEN IN A BOX.

PLUMB'S PLAIN EYE NAIL.



Cast Steel, Polished.

No.	0
Weight,	7 oz
Per dozen	$6 25

HALF DOZEN IN A BOX.

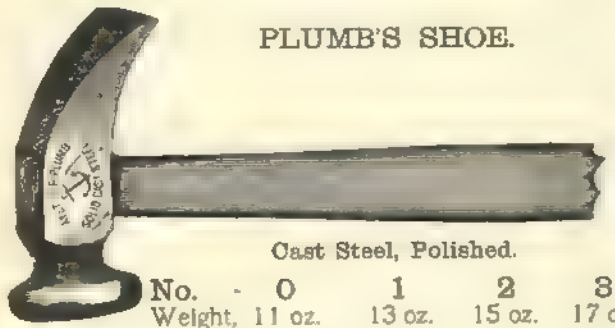
VULCAN PLAIN EYE NAIL.

Cast Steel, Polished.

No.	2	3
Weight,	15 oz	1 lb 2 oz
Per dozen	$5.75	6 00

HALF DOZEN IN A BOX.

PLUMB'S SHOE.

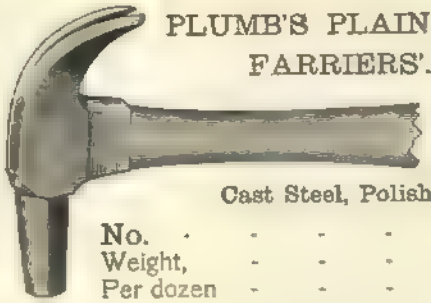


Cast Steel, Polished.

No.	0	1	2	3
Weight,	11 oz.	13 oz.	15 oz.	17 oz.
Per doz.	$5 25	5.50	5 75	6 00

HALF DOZEN IN A BOX.

PLUMB'S PLAIN EYE FARRIERS'.

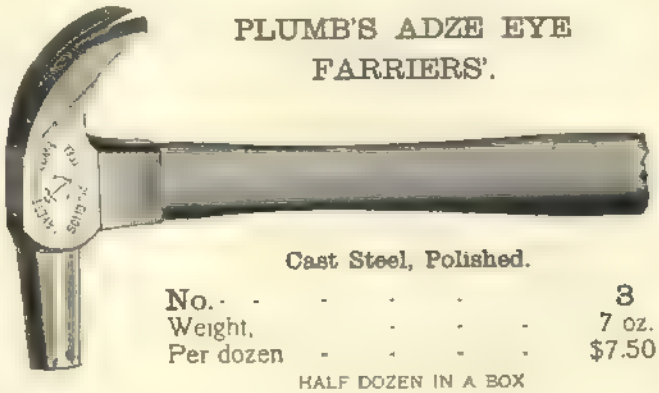


Cast Steel, Polished.

No.	30
Weight,	7 oz
Per dozen	$6.25

HALF DOZEN IN A BOX

PLUMB'S ADZE EYE FARRIERS'.

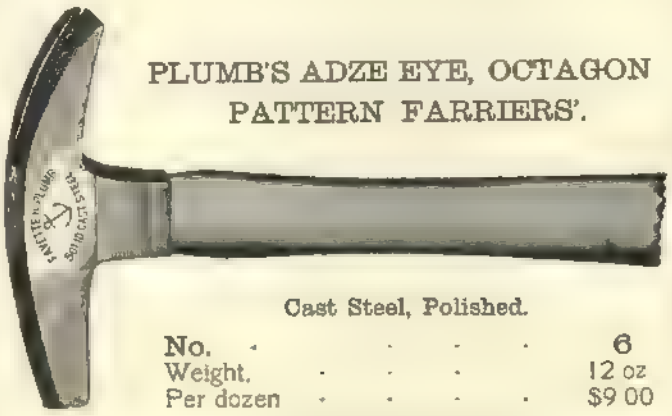


Cast Steel, Polished.

No.	3
Weight,	7 oz.
Per dozen	$7.50

HALF DOZEN IN A BOX

PLUMB'S ADZE EYE, OCTAGON PATTERN FARRIERS'.



Cast Steel, Polished.

No.	6
Weight,	12 oz
Per dozen	$9 00

HALF DOZEN IN A BOX.

CAST SHOE.

No.	15
Weight,	15 oz.
Per dozen	$1.50

HALF DOZEN IN A BOX.

ABOVE WEIGHTS DO NOT INCLUDE HANDLES.

ICE HATCHETS, SHAVES AND SHREDDERS.

ICE HATCHETS.

No. 1–Fayette R. Plumb's, solid steel, nickel plated, length 11 in., - - per doz. $24.00

HALF DOZEN IN A BOX

ICE SHAVES.

No. 3–Galvanized, adjustable cut, - per doz. $6.00

HALF DOZEN IN A BOX.

ICE SHREDDERS.

No. 5–Yukon, tinned iron, without cover, per doz. $2.50

HALF DOZEN IN A BOX

No. 10–Tinned, with removable tool steel cutter, self emptying, - - - - per doz. $5.50

HALF DOZEN IN A BOX.

ICE TONGS.

No. 4

Nos. 50 and 60.

Nos. 1, 2 and 3

No. 4–Family, flat steel, japanned, opens 14 in.,	per dozen	$	2.00
No. 50–Family, light flat steel, japanned, opens 10 in.,	"		4.50
No. 60–Heavy flat steel, japanned, opens 15½ in.,	"		8 00
No. 1–Solid steel, hand forged, painted, opens 13 in.,	"		13.50
No. 2–Solid steel, hand forged, painted, opens 17 in.,	"		14.00
No. 3 Solid steel, hand forged, painted, opens 24 in.,	"		17.00

ICE CREAM FREEZERS.

IMPROVED WHITE MOUNTAIN.

Quarts,	1	2	3	4	6	8
Each -	$3.50	4.00	4.75	5.75	7.25	9.35

Quarts,	-	10	12	15	20	25
Each	-	$12.50	14 50	17.75	23 75	29.00

A very important and exclusive feature of the White Mountain Freezer is its duplex malleable-iron dasher, being made in two parts entirely distinct and independent of each other in their operation.

From the construction of this Double Beater the White Mountain Freezer derives its triple motion.

A strong, water-proof tub, bound with heavy galvanized iron hoops, the gearing is completely covered, cans made of the very best quality of tin-plate; beaters of malleable iron and tinned; all castings attached to tub nicely galvanized, to prevent rusting.

IMPROVED ARCTIC.

Quarts,	1	2	3	4	6	8	10
Each	$3 25	3.75	4.50	5 50	7.00	9.00	12.00

Freezer is single action—the can revolves, while beater remains stationary.

A strong, waterproof tub, bound with heavy galvanized iron hoops; a detachable hinge top frame, with all gearing completely covered, so that nothing can get between the cogs. Can of best quality of charcoal tin plate, and a tinned beater with double self adjusting wood scraping bar

The can of this freezer may be revolved after the beater is removed, which is an advantage in freezing fruit. Cream can be frozen in 7 minutes in the "Improved" Arctic.

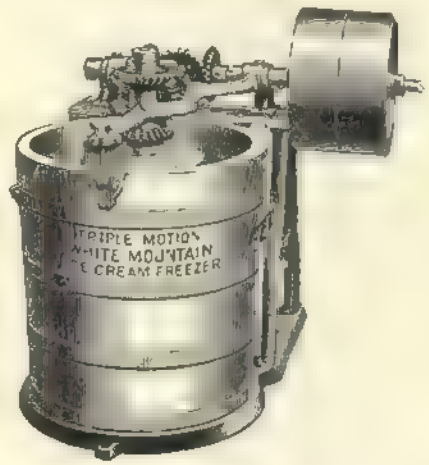
HOTEL OR CONFECTIONERS'.

With Fly Wheel.

Quarts,	12	15	20	25
Each -	$18 00	21.00	28.00	35.00

This machine is designed especially for hotels cafes and ice cream parlors. It is the regular hand freezer, with fly wheel substituted in place of crank. Other power should never be used. It has the celebrated duplex dasher with single self-adjusting wood scraping bar.

SAMSON, POWER.



Quarts,	25	40
Each	$45 00	55.00

The platform and stand are of cast iron. The gear frame extends across the top of the tub, and is fastened by a latch bolt and thumb screw. When the frame is released, it can be raised to an upright position, and is there held firmly. The can and tub may be removed and replaced at pleasure, while the frame is in this position.

The beaters are malleable iron and tinned, with single self-adjusting wood scraping bar. The tubs are exceedingly heavy and durable. The cans are of the heaviest tin plate. The pulleys on the 25 qt. are 10x4, and on the 40 qt., 16x5. The freezer should be operated at a speed of about 75 revolutions per minute

PICKS.

ADZE EYE, RAILROAD.

Pounds,	5 to 6	6 to 7	10
Ajax,	per dozen $12 00	13 00	
Extra,	" 12 00	13 00	20 00

AJAX, ONE DOZEN; EXTRA, TWO DOZEN IN A CASE

SURFACE.

No.	2	3
Inches,	26	27
Pounds,	4½	5
Per dozen	$15 00	16 00

TWO DOZEN IN A CASE

DRIFTING OR GOLD MINERS'.

No.	1	2	3	4
Inches,	19	21	23	25
Pounds,	3	4	4½	5
Per dozen	$12.50	14 00	15 00	16 00

TWO DOZEN IN A CASE.

KLONDIKE MINING.

No. 2. Regular Quality Steel.

Inches,	30	32
Pounds	5	5½
Per dozen	$10 00	10 50

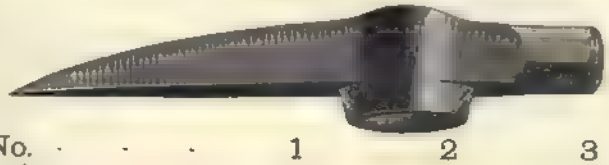
TWO DOZEN IN A CASE

No. 1. Extra Quality Tool Steel.

Inches,	30	32
Pounds	5	5½
Per dozen	$15 00	15 50

TWO DOZEN IN A CASE.

POLL.



No.	1	2	3
Inches,	13⅓	14	15
Pounds,	3⅓	4	4½
Per dozen	$15 00	16 00	17 00

TWO DOZEN IN A CASE.

DRIFTING PICK EYES.

No.	1	2	3	4
Inches,	11	12½	14	15¾
Pounds,	2¾	3½	4	4½
Per dozen	$7.50	8 50	9 00	9.50

TWO DOZEN IN A CASE

COAL PICKS.

WARWOOD MINING.

No.	1	2	3
Per dozen	$8 50	9.00	9 50

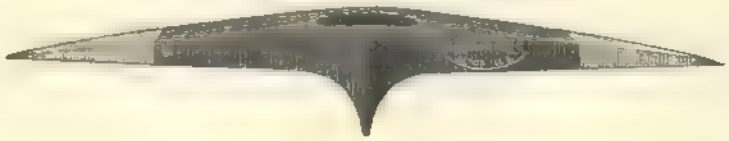
WARWOOD CUTTING.

No.	1	2	3
Per dozen	$8 50	9 00	9 50

ALTON SHORT EAR MINING.

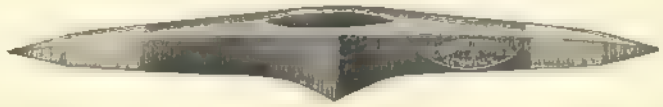
Pounds,	1½	1¾	2	2¼	2½
Per dozen	$9 00	9 00	9 00	9.00	9 00

ALTON LONG EAR MINING.



Pounds,	1¾	2	2¼	2½
Per dozen	$12 00	12 00	12 00	12.00

ALTON SHORT EAR CUTTING.



Pounds,	2½	2¾	3	3¼
Per dozen	$9.00	9.00	9 00	9 00

CROW BARS.

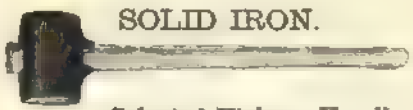
Pinch Point.

Wedge Point.

Pinch or Wedge Point, solid cast steel weights, 10, 12 14, 16, 18 and 20 lbs., . . per pound $0 06

POST MAULS.

SOLID IRON.



Selected Hickory Handle.

Pounds,	10	13	16	18	21
Per dozen	$4 50	5 50	6 00	7 00	8 50

WOOD FACE.

Selected Hickory Handle.

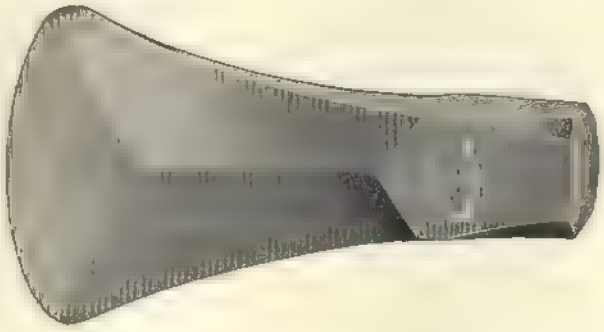
Pounds,	10	11	12
Per dozen	$6 50	7 00	7.50

WEDGES.

LAKE SUPERIOR WOOD CHOPPERS'.

Solid Cast Steel, 5, 5½, 6, 7 and 8 lbs., per lb $0 36

OREGON PATTERN WOOD CHOPPERS'.



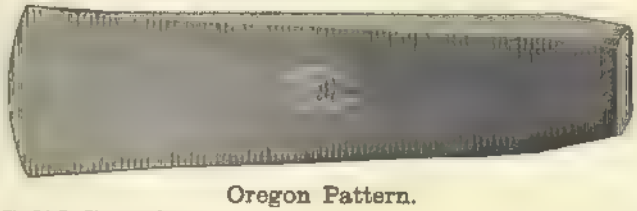
Solid Cast Steel, 3 to 8 lbs., - per lb. $0.36

SAW.

Oregon Pattern.

Solid Cast Steel, 1¾, 2, 2¼ lbs., - per lb. $0.30

FALLING.



Oregon Pattern.

Solid Cast Steel, 5 to 11 lbs., - per lb. $0.40

WOOD CHOPPERS'.

Regular Pattern.

Steel, 3 to 8 lbs., - - - - per lb. $0 06

Truckee Pattern.

Steel, 3 to 10 lbs., - - - - per lb. $0.07

COAL MINERS'.

Alton Pattern.

No. 1–Plumb's solid cast steel, 1¼ to 3 lbs., per lb. $0 25

Alton Pattern.

No. 2–Beall Bros'. solid cast steel, 1¼ to 3 lbs., per lb. - - - - - - - $0.30

Missouri Pattern.

No. 3–Beall Bros.' solid cast steel, 1⅝ to 2 lbs., per lb. - - - - - - - $0.30

AXE.

No 1.

No. 2.

No. 1–Malleable iron, - - - per doz. $1 00
No. 2–Malleable iron, extra heavy, " 1.10

MATTOCKS.

Ajax Adze Eye, Superior Quality and Finish.

5½ lbs., short cutter,	per dozen $15.50
6 lbs., long cutter,	" 16.00

ONE DOZEN IN A CASE.

Extra Adze Eye, Cast Steel, Axe Finish.

5 lbs., short cutter,	per dozen $15.00
5½ lbs., short cutter,	" 15.50
5 lbs., long cutter,	" 15.50
6 lbs., long cutter,	" 16.00

TWO DOZEN IN A CASE.

Hunt's Plain Eye, Cast Steel, Axe Finish.

Short Cutter,	per dozen $18.50
Long Cutter,	" 18.50

TWO DOZEN IN A CASE.

PICK MATTOCKS.

Extra, Adze Eye, Cast Steel, Axe Finish.

5 to 6 lbs., per dozen $17.00

TWO DOZEN IN A CASE.

GRUB HOES.

Adze Eye.

No.	1	2
Pounds,	3½	4
Ajax, per doz.	$11 00	11 50
Extra, "	11.00	11.50

AJAX, ONE DOZEN; EXTRA, TWO DOZEN IN A CASE.

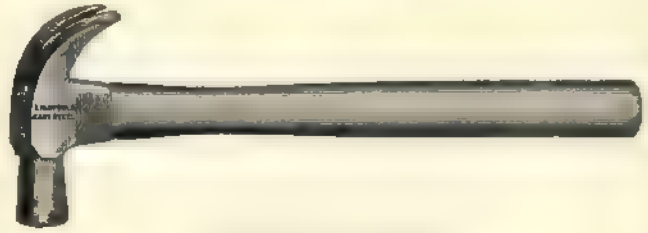
HAZEL HOES.

Half Polished, weight 3 lbs., width of bit 6 in., per doz. $20.00

TWO DOZEN IN A CASE.

HAMMERS.

MAYDOLE'S ADZE EYE NAIL.

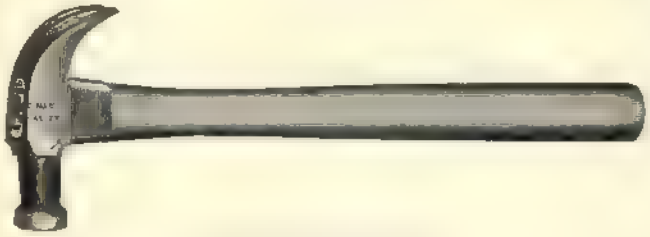


Cast Steel, Polished.

No.	1	1½	2	3
Weight,	1 lb. 4 oz.	1 lb.	13 oz	7½ oz.
Per dozen	$8.75	8.00	7.50	6.75

HALF DOZEN IN A BOX.

MAYDOLE'S ADZE EYE, BELL FACE, NAIL.

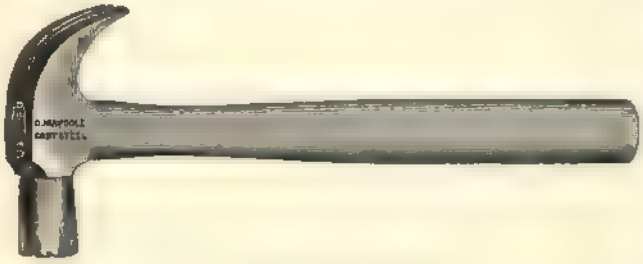


Cast Steel, Polished.

No.	11	11½	12	13
Weight,	1 lb. 3 oz.	1 lb.	12 oz	7 oz.
Per dozen	$8 75	8 00	7.50	6 75

HALF DOZEN IN A BOX

MAYDOLE'S JOINERS'.

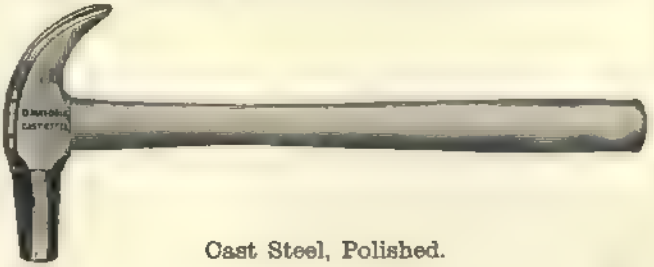


Cast Steel, Polished.

No.	20 (Box.)	23 (Brad.)
Weight,	1 lb. 8 oz.	7 oz.
Per dozen	$8.50	5.50

HALF DOZEN IN A BOX.

MAYDOLE'S PLAIN EYE FARRIERS'.

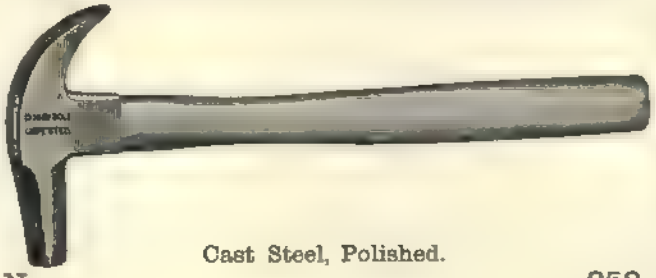


Cast Steel, Polished.

No.	55
Weight,	7 oz.
Per dozen	$6.00

HALF DOZEN IN A BOX

MAYDOLE'S ADZE EYE FARRIERS'.

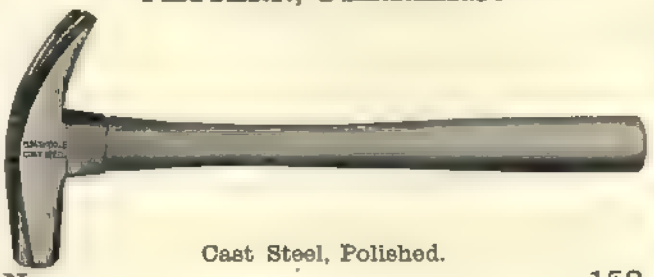


Cast Steel, Polished.

No.	253
Weight,	8 oz.
Per dozen	$7.00

HALF DOZEN IN A BOX.

MAYDOLE'S ADZE EYE, BOSTON PATTERN, FARRIERS'.



Cast Steel, Polished.

No.	152
Weight,	10 oz.
Per dozen	$8 00

HALF DOZEN IN A BOX

HELLER'S OCTAGON POLL, FARRIERS'.

Cast Steel, Straw Color.

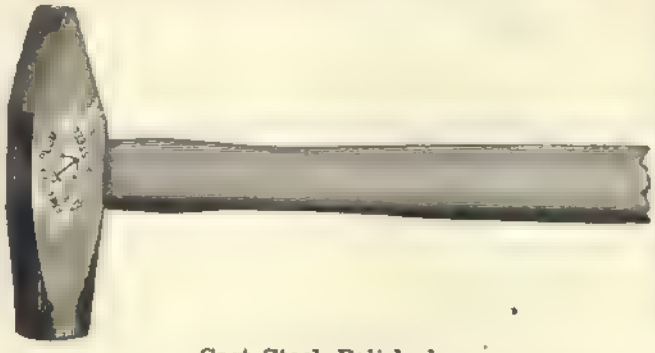
No.	14	16
Weight,	9 oz	12 oz.
Per dozen	$10 00	10 00

HALF DOZEN IN A BOX

ABOVE WEIGHTS DO NOT INCLUDE HANDLES.

HAMMERS.

PLUMB'S PLAIN EYE RIVETING.

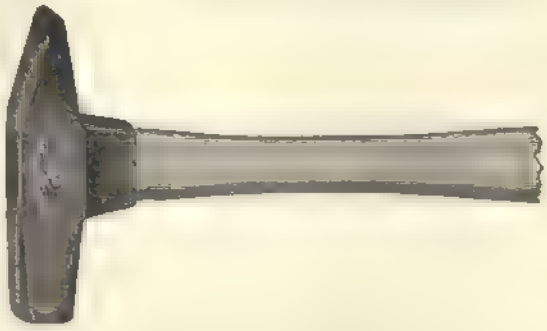


Cast Steel, Polished.

No.	1	2	3	4	5	6	7
Weight,	7 oz.	9 oz.	12 oz.	15 oz.	1⅛ lb.	1⅜ lb.	1⅝ lb.
Per doz.	$5 75	6.00	6 25	6.50	7.00	7.50	8 00

HALF DOZEN IN A BOX

PLUMB'S ADZE EYE RIVETING.

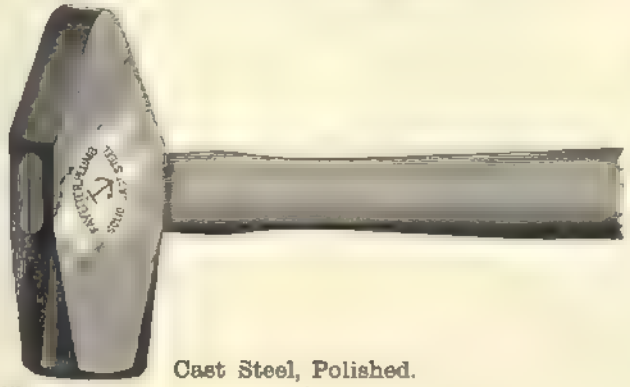


Cast Steel, Polished.

No.	1
Weight,	6 oz.
Per doz.	$7 00

HALF DOZEN IN A BOX

PLUMB'S BLACKSMITHS' HAND.

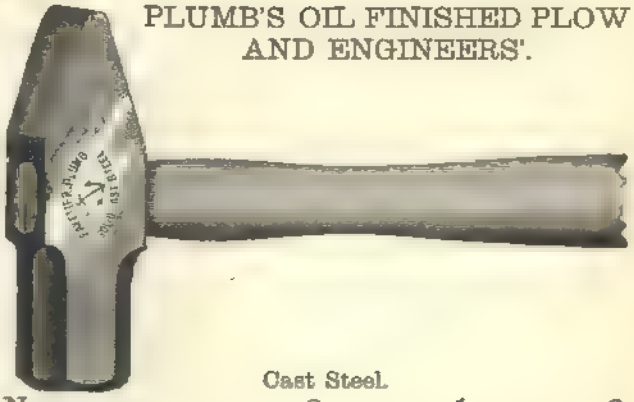


Cast Steel, Polished.

No.	1	2	3
Weight,	2 lbs.	2 lbs. 10 oz.	3 lbs.
Per doz.	$14.00	15.00	16.00

ONE-THIRD DOZEN IN A BOX.

PLUMB'S OIL FINISHED PLOW AND ENGINEERS'.

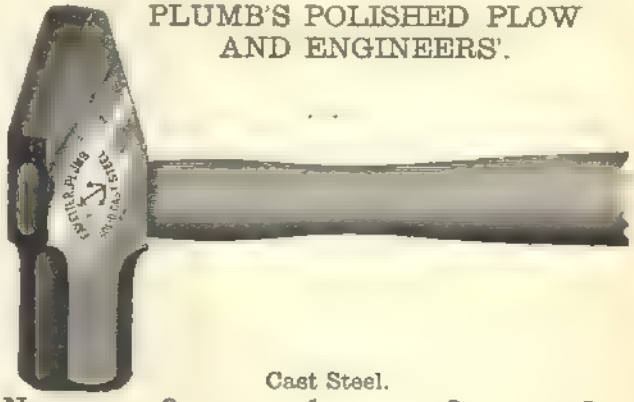


Cast Steel.

No.	0	1	2
Weight,	1 lb. 2 oz	1 lb. 10 oz.	2 lbs.
Per doz.	$10 50	11.50	12.50

ONE-THIRD DOZEN IN A BOX.

PLUMB'S POLISHED PLOW AND ENGINEERS'.

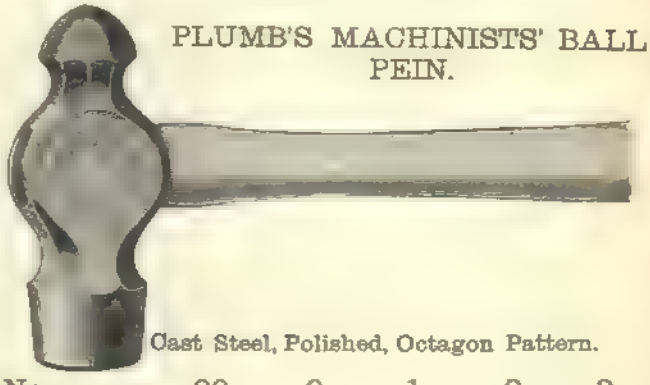


Cast Steel.

No.	0	1	2	3
Weight,	1 lb. 2 oz.	1 lb. 10 oz.	2 lbs.	2 lbs. 8 oz.
Per doz.	$12.00	13.00	14.00	15.00

ONE-THIRD DOZEN IN A BOX.

PLUMB'S MACHINISTS' BALL PEIN.



Cast Steel, Polished, Octagon Pattern.

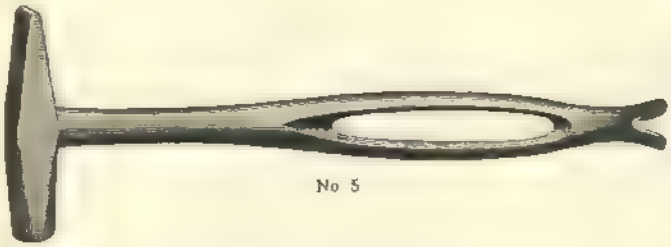
No.	00	0	1	2	3
Weight,	12 oz.	1 lb.	1¼ lb.	1½ lb.	1¾ lb.
Per doz.	$12.00	12 50	13.50	14 50	15.50

No.	4	5	6	7
Weight,	2 lbs.	2¼ lbs.	2½ lbs.	2¾ lbs.
Per doz.	$16 50	17 50	19 00	20.50

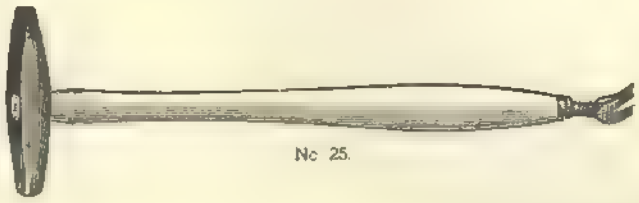
ONE-THIRD DOZEN IN A BOX.

ABOVE WEIGHTS DO NOT INCLUDE HANDLES

TACK HAMMERS.



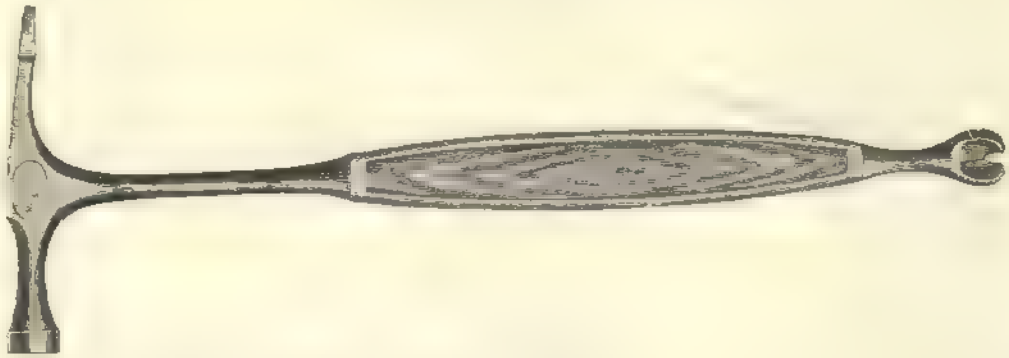
No 5



No 25.

No. 5–All iron, bronzed, length 8 in., ... per dozen $0.65
No. 25–Polished iron, hickory handle, with claw, ... " 1.10

ONE DOZEN IN A BOX.



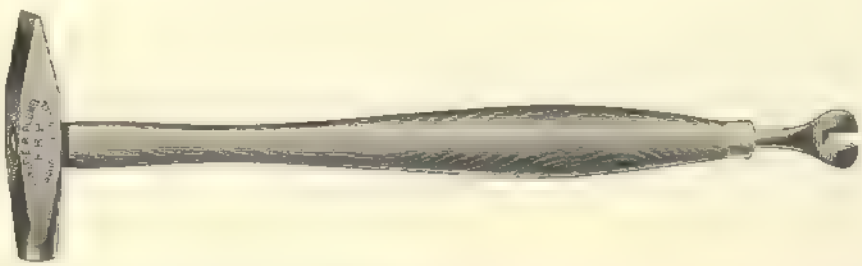
No. 4–Malleable iron, polished head, handle inlaid with black walnut, ... per dozen $2.85

ONE DOZEN IN A BOX.

No 2.

No. 1–Magnetic steel, japanned, hickory handle, claw on head, ... per dozen $1.50
No. 2–Magnetic steel, japanned, hickory handle, steel claw, ... " 1.80
No. 3–Magnetic steel, japanned, hickory handle, steel claw, large, ... " 2.00

ONE DOZEN IN A BOX.

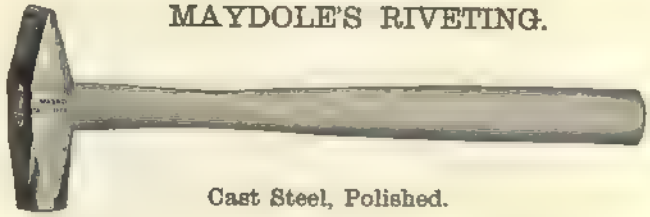


No. 160–Plumb's, solid cast steel, polished, hickory handle, steel claw, ... per dozen $5.50

ONE DOZEN IN A BOX.

HAMMERS.

MAYDOLE'S RIVETING.

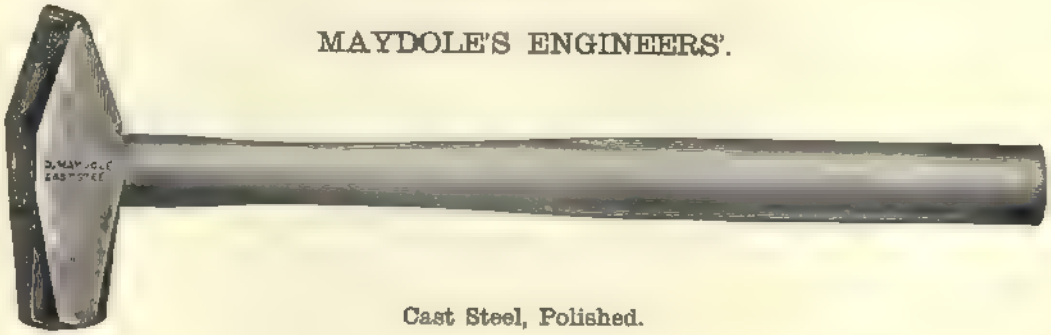


Cast Steel, Polished.

No.	40	41	42	43	44
Weight,	1 lb. 8 oz.	1 lb. 2 oz.	13 oz.	7 oz.	4 oz
Per dozen	$8.50	7.25	6.00	5 25	5 00

HALF DOZEN IN A BOX.

MAYDOLE'S ENGINEERS'.

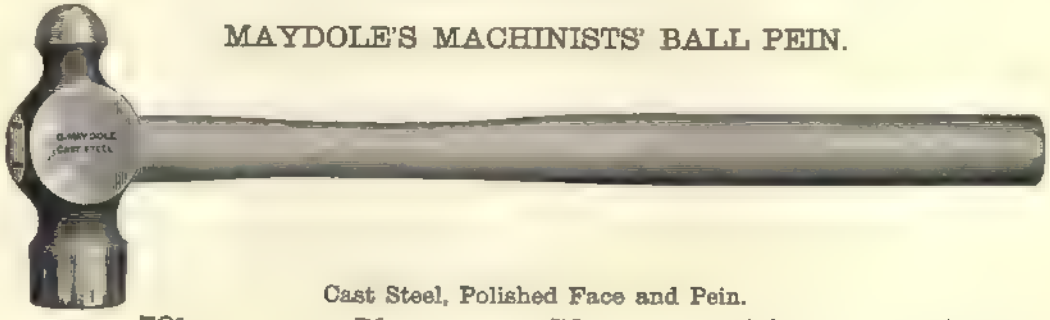


Cast Steel, Polished.

No.	91	92
Weight,	2 lbs. 4 oz.	1 lb 12 oz
Per dozen	$13.00	$12.00

ONE-THIRD DOZEN IN A BOX.

MAYDOLE'S MACHINISTS' BALL PEIN.

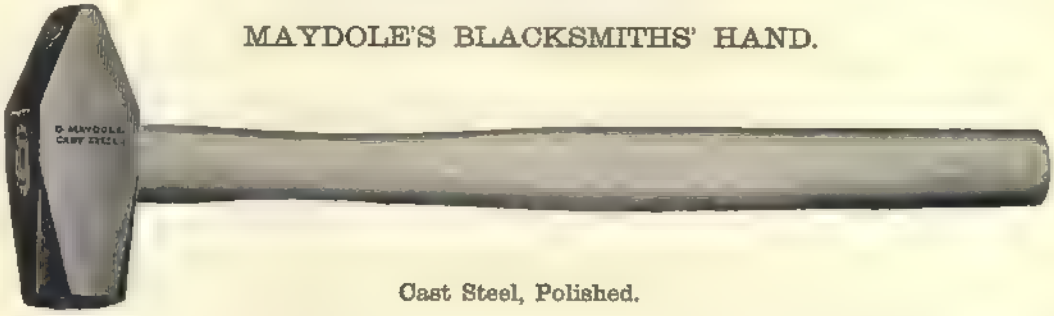


Cast Steel, Polished Face and Pein.

No.	70½	71	72	73	74	75
Weight,	2 lbs. 4 oz.	1 lb. 14 oz.	1 lb. 8 oz.	1 lb 4 oz.	1 lb.	13 oz.
Per dozen	$17.00	15.00	13 50	12.25	11.25	10 50

ONE-THIRD DOZEN IN A BOX.

MAYDOLE'S BLACKSMITHS' HAND.



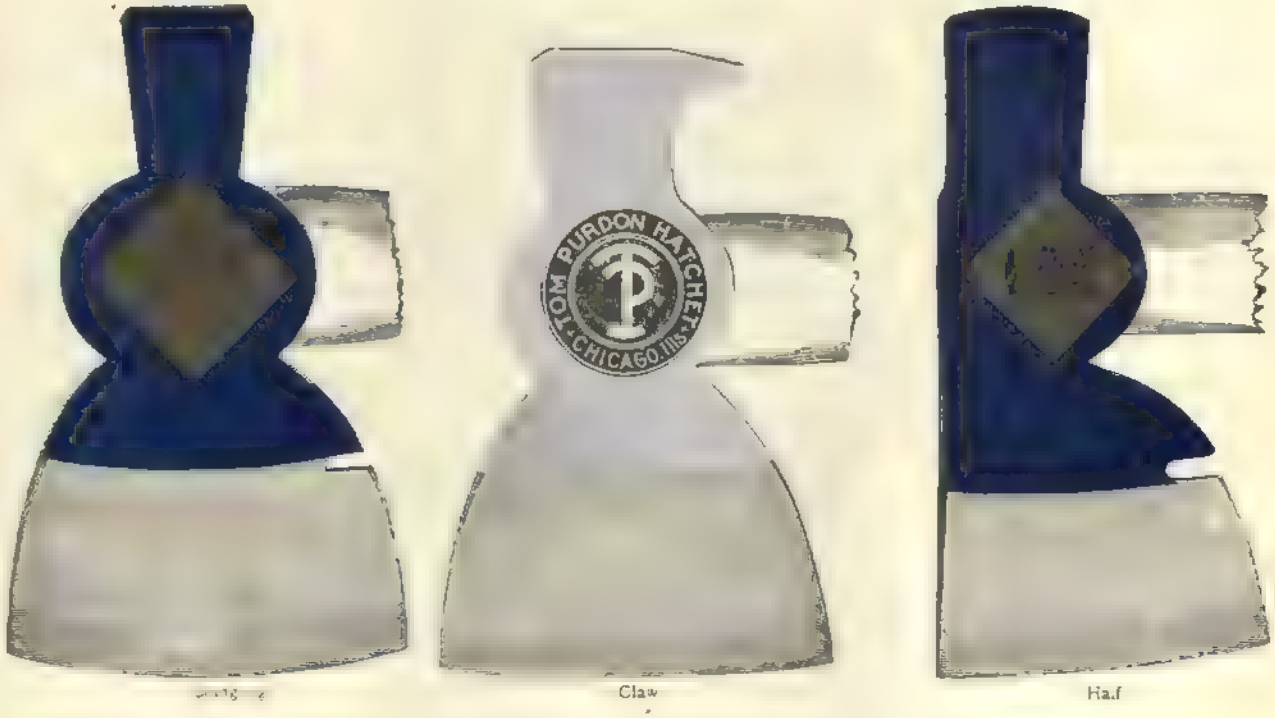
Cast Steel, Polished.

No.	61	62
Weight,	3 lbs.	2 lbs. 10 oz.
Per dozen	$15.00	14.00

ONE-THIRD DOZEN IN A BOX.

ABOVE WEIGHTS DO NOT INCLUDE HANDLES.

HATCHETS.



Claw

Half

INTER OCEAN CHIEF, CAST STEEL, BLUE LACQUERED.

Shingling.			Claw.				Half.		
No.	1	2	No.	1	2	3	No.	1	2
Bit, inches,	3½	3⅞	Bit, inches,	3½	4	4½	Bit, inches,	3¼	3½
Per dozen,	$6.25	6.75	Per dozen,	$6.75	7.25	7.75	Per dozen	$6 75	7.25

HALF DOZEN IN A BOX

TOM PURDON'S, CAST STEEL, SILVER BRONZED.

Shingling.				Claw.				Half.		
No.	1	2	3	No.	1	2	3	No.	1	2
Bit, inches,	3½	4	4½	Bit, inches,	3½	4	4½	Bit, inches,	3⅛	3½
Per dozen,	$6.00	6.50	7.00	Per dozen,	$6.50	7.00	7.50	Per dozen,	$6 50	7.00

HALF DOZEN IN A BOX

CAST IRON, POLISHED AND BRONZED.

Shingling.			Claw.		
No.	1	2	No.	1	2
Bit, inches,	3	3½	Bit, inches,	3	3½
Per dozen,	$2.00	2.50	Per dozen,	$3.00	3.50

HALF DOZEN IN A BOX.

HAMMERS.

BROWN'S ADZE EYE NAIL.

Solid Cast Steel, Polished.

No.	1	1½	2	3
Weight,	1 lb. 4 oz.	1 lb.	13 oz.	7½ oz.
Per dozen	$8 00	7.00	6.00	5 00

HALF DOZEN IN A BOX

H., S., B. & CO'S "OLD GOLD" ADZE EYE NAIL.

Crucible Cast Steel, "Old Gold" Finish.

No.	1	1½	2	3
Weight,	1 lb. 12 oz.	1 lb. 4 oz.	1 lb.	13 oz.
Per dozen	$10.80	10.20	9.60	9 00

HALF DOZEN IN A WOOD BOX

H., S., B. & CO'S "OLD GOLD" ADZE EYE, BELL FACE NAIL.

Crucible Cast Steel, "Old Gold" Finish.

No.	11	11½	12	13
Weight,	1 lb. 4 oz	1 lb.	13 oz.	7 oz
Per dozen	$10.80	10 20	9 60	9.00

HALF DOZEN IN A WOOD BOX.

BROWN'S ADZE EYE, BELL FACE NAIL.

Solid Cast Steel, Polished.

No.	11	11½	12	13
Weight,	1 lb. 3 oz.	1 lb.	12 oz.	7 oz.
Per dozen	$8.00	7.00	6.00	5.00

HALF DOZEN IN A BOX.

H., S., B. & CO'S "OLD GOLD" ADZE EYE, OCTAGON POLL NAIL.

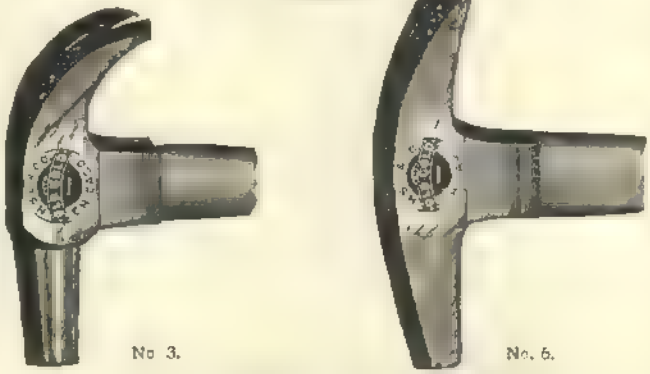
Crucible Cast Steel, "Old Gold" Finish.

No. 51½–Hickory handle, weight 1 lb. 1 oz., per doz. - - - - - - $16.20

No. 41½–Applewood handle, weight 1 lb. 1 oz., per doz. - - - - - - 18 00

HALF DOZEN IN A BOX.

H., S., B. & CO'S "OLD GOLD" ADZE EYE FARRIERS'.



No 3. No. 6.

Crucible Cast Steel. "Old Gold" Finish.

No. 3–Adze eye, round poll, weight 7 oz., per doz. $ 9.00

No. 6–Adze eye, Boston pattern, weight 12 oz., - - - - per doz. 10.80

HALF DOZEN IN A WOOD BOX.

ABOVE WEIGHTS DO NOT INCLUDE HANDLES

HATCHETS.

IDEAL.

Shingling

Half

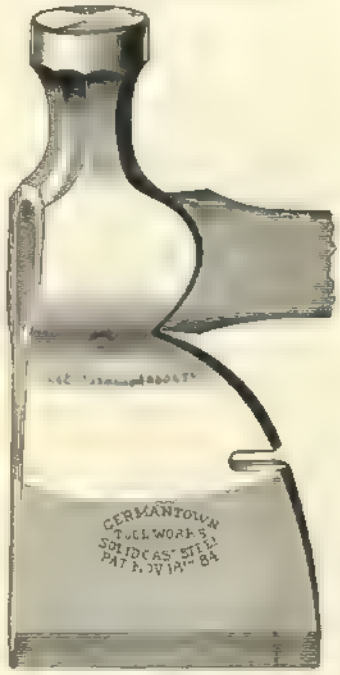
Lath

Crucible Cast Steel, Adze Eye, Square Head, Natural Finish, Polished Faces.

No. 15–Shingling, width of bit, 3⅜ in. - - - - - - - per dozen $13.00
No. 25–Half, width of bit, 2¾ in. - - - - - - - - " 13.00
No. 35–Lath, width of bit, 2⅜ in. - - - - - - - - - " 13.00

HALF DOZEN IN A BOX.

GERMANTOWN.

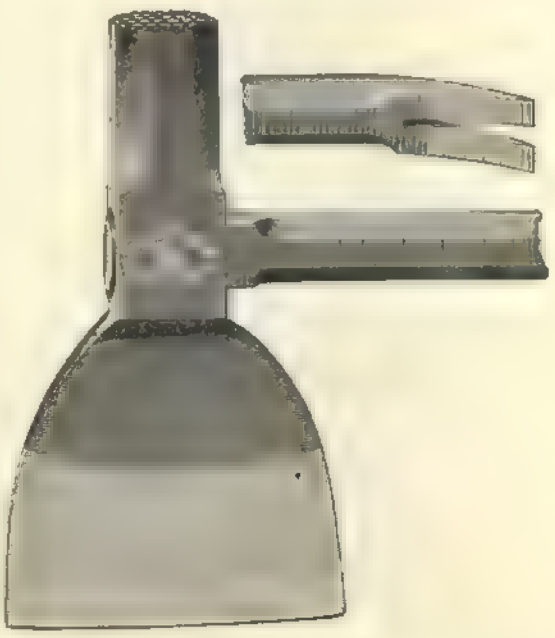


Solid Steel, Copper Plated, Octagon Neck.

No. 318 –Half, width of bit 3½ in. - per doz. $14.00
No. 318½–Half, width of bit 3¾ in. - " 14.50

HALF DOZEN IN A BOX.

WAREHOUSE.

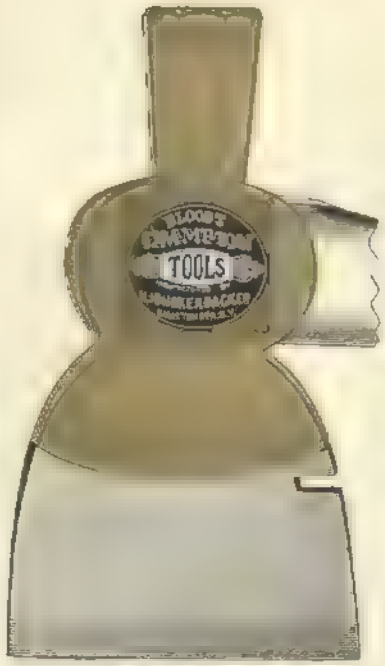


Fayette R. Plumb's cast steel, iron handle, width of bit 3⅞ in. - - per doz. $15.00

HALF DOZEN IN A BOX.

BLOOD'S CAST STEEL HATCHETS.

GOLD BRONZED.



Shingling.

No.	1	2	3
Bit, inches,	3½	3⅞	4⅛
Per dozen	$8 00	8.50	9 00

HALF DOZEN IN A BOX.

Half.

No.	1	2
Bit, inches,	3⅛	3⅜
Per dozen	$8 50	9 00

HALF DOZEN IN A BOX.

Lath.

No.	1	2	3
Bit, inches,	2½	2¾	3½
Per dozen	$8.00	8.50	9 00

HALF DOZEN IN A BOX

Claw.

No.	1	2	3
Bit, inches,	3½	3⅞	4⅜
Per dozen	$9 00	9 50	10 00

HALF DOZEN IN A BOX

Broad.

No.	2	3	4	5	6
Bit, inches,	4½	5	5½	6	6½
Per dozen	$11.50	13.00	14.50	16.50	18.00

HALF DOZEN IN A BOX

Police Billets

No. 20—12 in. Police Billet, Ironwood, Per Dozen
" 40—8½ in. " " Leather Loaded,

Police, or Bicycle Whistles.

No. 2

No. 4

No. 5

No. 2—Police or Bicycle Whistles, Britannia, Per Dozen,
" 4— " " " " Nickel Plated, with Chain,

One Dozen in a Box.

Dumb Bells.

Pitching Quoits.

Dumb Bells, Cast Iron, Japanned.

Weight Per Pair, Pounds,	2	3	4	5	6	8	10	12	16	20	30
Per Pair,											

Pitching Quoits.

Pitching Quoits Cast Iron, Per Set of 4

Boot Jacks.

No. 3—Boot Jacks, Japanned. Per Dozen, $
" 15— " " Tinned Recessed, "

No. 4, One Dozen, No. 3, Half Dozen in a Package

Heel Stiffeners.

No. 1 No. 2 No. 3 No. 4 No. 5 No. 6

Per Dozen Pairs, $

No. 1
" 2
" 3—
" 4
" 5—
" 6—
Nos. 2 to 6—Lynn's Heel Stiffeners, Assorted

One Dozen Pairs in a Box.

Ice Creepers.

Zero

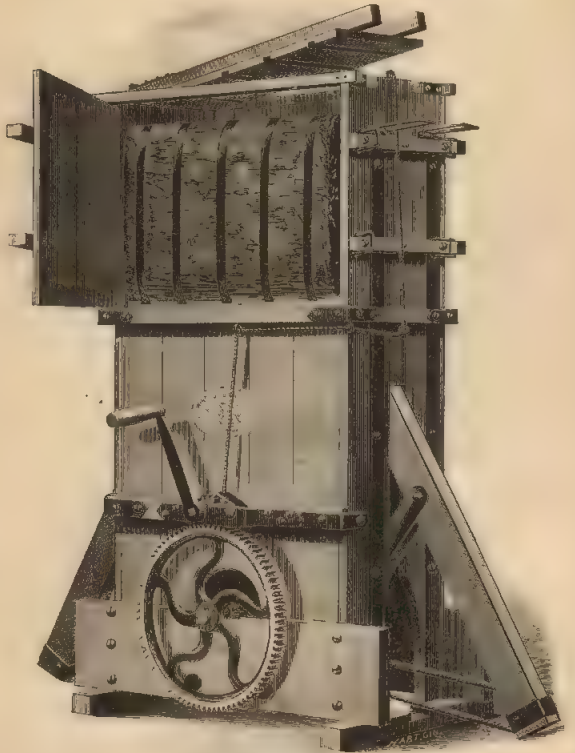
North Pole

No. 10—Zero Ice Creepers, Reversible
" 20—North Pole Ice Creepers, Reversible,

Per Dozen Pairs, $

One Dozen Pairs in a Box.

PORTABLE HAY PRESSES.



This we believe is the simplest and most practical Portable Hay Press made. Two men only are required to operate it with success.

Capacity, 20 to 30 bales per day, weighing up to 300 pounds.

Weight, 1200 pounds, - - - - - - - - price, $125 00

☞ Send for special descriptive Circulars.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

File Handles.

Fig. A–1718.

No. 4. Beaded, Hard Wood, Brass Ferrules . Per gross, $5 00
No. 5. White Wood, Iron Ferrules . . . . . " 4 00
No. 11. Jewelers', Walnut, Ferruled . . . . " 4 00

Three dozen in a box

Brad Awl Handles.

Fig. A–1720.

No. 3. Beech Wood, Brass Ferrule . . . . . Per gross, $3 50

Plane Handles.

Fig. A–1722. Jack.

Fig. A–1723. Fore and Jointer.

Jack . . . . . Per dozen, $0 75
Fore and Jointer . . . . . " 1 00

One dozen in a box

Plain Auger Handles.

Fig. A–1724.

Hickory . . . . . Per dozen, $1 00

"Douglass" Patent Auger Handles.

Fig. A–1725.

In Sets of Two, Fitting Any Size of Augers.

Per Set, Assorted Large . $1 75
Per Set, Assorted Small . . 1 50

One set in a package

Screwdriver Handles.

Fig. A–1719.

For Screwdriver,	5	6	7	8 Inch.
Per dozen	$0 50	0 60	1 00	1 25

Assorted, one dozen in a box.

Soldering Copper Handles.

Fig. A–1721.

5½ Inch, Hard Wood . . . . . Per gross, $8 00
6¼ Inch, Hard Wood . . . . . " 9 00
No. 20, Wire Ferrules . . . . . " 6 00

Pratt's Ratchet Auger Handle.

Fig. A–1726.

Pratt's Auger Handles . . . Per dozen, $24 00

One set in a box.

Eastern Mallets.

Fig. A–1727.
Tinners' Mallet.

Fig. A–1728.
Round.

Fig. A–1729.
Square.

Fig. A–1730.
Ring

Tinners.

No. **40.** Round, Hickory, Assorted . . Per dozen, **$2 00**

Ring.

No. **140.** Round, Hickory, Iron Rings, 6x4 Inches, Per dozen, **$8 50**

Carpenters'.

No. **30.** Round, Hickory, 6x4 Inch . . . . Per dozen, **$3 50**

No. **80.** Square, Hickory, 6 Inches Long. Per dozen, **$3 50**

No **100.** Square, Hickory, 7 Inches Long " **4 00**

Lignum-vitæ.

No. **50.** Round, 5x3 Inch . . . . . Per dozen, **$4 00**

No. **60.** Round, 5¼x3½ Inch . . . . . " **5 00**

No. **70.** Round, 6x4 Inch . . . . . " **6 00**

No. **110.** Square, 6 Inches Long . . . . . Per dozen, **$5 00**

No. **120.** Square, 6½ Inches Long . . . . " **6 00**

No. **130.** Square, 7 Inches Long . . . . . " **7 00**

Second Growth Hickory Mallets.

No. **250** Round, Hickory, 6x3 Inch . . Per dozen, **$5 50**

No. **260.** Round, Hickory, 6x3½ Inch . . " **6 50**

No. **270.** Round, Hickory, 7x4 Inch . . . " **8 00**

No. **350.** Square, Hickory, 6 Inches Long. Per dozen, **$8 50**

No. **360.** Square, Hickory, 7 Inches Long. " **9 00**

No. **450.** Round, Hickory, 6x4 Inch . . . " **9 50**

Vulcanized Fiber Head Mallet.

Fig. A–1731.

The heads are Vulcanized Fiber, a material which is produced by treating specially prepared vegetable fiber with powerful chemical agents, then consolidating it under very heavy pressure.

It is very hard and dense, extremely tough, and elastic enough to form a cushion, relieving the arm from the jar occasioned by the force of the blow.

The body and handle are thoroughly kiln-dried. Handle screws in. The bands are of malleable iron, riveted to the body and tapering on the inside to hold the fiber heads firmly in place. See sectional view.

PRICE.

No. **2.** 2 Inch Face . . . . . Per dozen, **$6 50**

No. **2½.** 2½ Inch Face . . . . . " **7 50**

No. **3.** 3 Inch Face . . . . . " **9 00**

Fig. A–1732.
Sectional view.

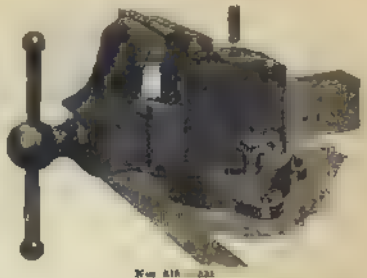
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Prentiss' Parallel Vises.

Self Adjusting Jaw.

Stationary Machinists'

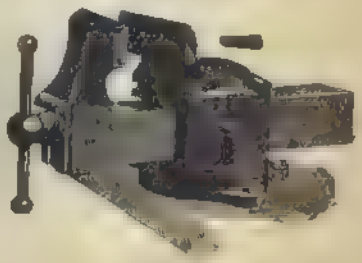
Swivel Machinists'.



No.								Each $
"	502	2½ in.	Jaws, Opens 3½ in.	Stationary,	Weight 13½ lbs.			
"	503	4 "			28 lbs.			
"	504	6½ "			54 lbs.			
"	505	6 "			98 lbs.			
"	518	2½ "		Swivel	17 lbs.			
"	519	3½ "		"	32 lbs.			
"	520	4½ "		"	55 lbs.			
"	521	6 "	" 5 "	"	109 lbs.			
"	522	6 in.	" 5 "	"	65 lbs.			

Stationary Wood Workers'

Swivel Wood Workers'



No.								Each $
"	512	3½ in.	Jaws, Opens 7 in.	Stationary,	Weight 30 lbs.			
"	513	4½ in.	" 8½ in.	"	49 lbs.			
"	527	3½ in.	"	Swivel	54 lbs.			
"	526	4½ in.	" 9½ "	"	85 lbs.			

Massey's Lightning Grip Vises.

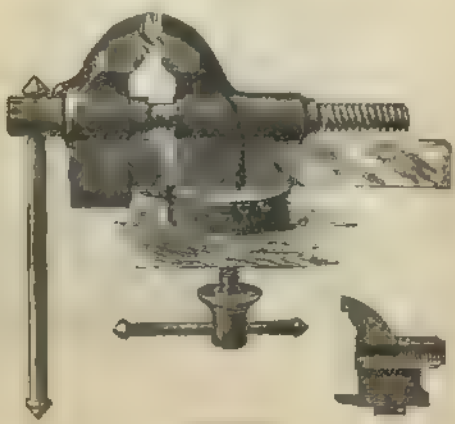
Wood Workers'

No. 815.

No. 815—6 in. Jaws, Opens 12 in., Weight 49 lbs., ... Each, $

All engaging parts are Malleable Iron. The iron jaws are drilled for attaching wood jaws flush with the bench.

Merrill's Swivel Vises.



No. 404 and 408.

No.										
"	404	4	Jaws, Open	"	Base	"	Jaws	"	Weight	63 lbs., Each, $
"	405	5	"	"	"	"	"	"	"	86 lbs., "
"	406½	6½ in.	"	10 in.	"	"	"	"	"	"
"	408	8	"	12 in.	"	6 x 1½ in.	"	"	168 lbs.,	"

Blood's Champion Ice Pick.

Fig. A–1321. Full Size Cut.

Champion Ice Picks. . . . . Per dozen, **$3 50**

Packed one-half dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

White City Ice Chisel or Shave.

Nickel Plated.

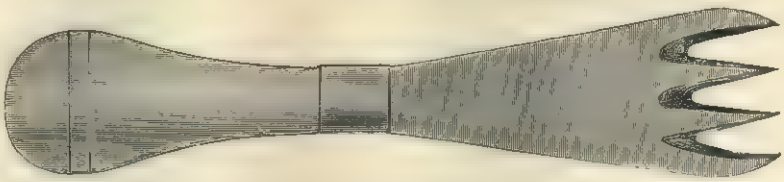


Fig. A–1317. No. 91.

With Heavy Iron Cap on Handle for Breaking Ice . . . . . Per dozen, **$4 50**

Packed one dozen in a box.

Nickel Plated.

Fig. A–1318. No. 91.

With Heavy Iron Cap on Handle for Breaking Ice . Per dozen, **$2 50**

Packed one dozen in a box

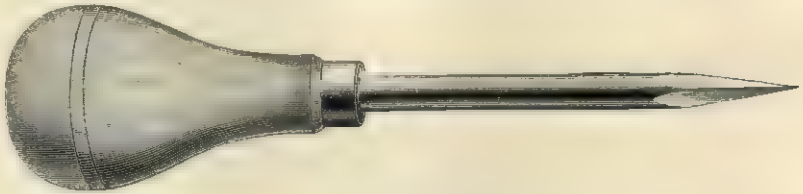


Fig. A–1319.

No. 2. With Soft Wood Handle . . . . . Per dozen, **$1 50**

Packed one dozen in a box.

Ice Mallet with Ice Pick.

Fig. A–1320

No. 4. With Steel Pick in End of Handle, Ebony Finished Head . . Per dozen, **$3 50**

Packed one dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

The Newman Improved Mechanical or Stationary Watchman's Clock.

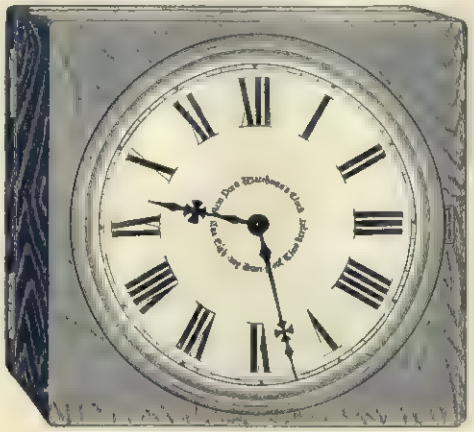


Fig. A-2982. Front View of Clock. Size 14x14

"The Newman Watchmen's Clocks" are patented. The patents consist mainly of a combined clock and watchman's time detector, the case so arranged that it will swing open at will and show either the front containing the face and hands of the clock or the paper dial or disc. The paper dial or disc divided off for day and night; the guides to prevent the disc from getting displaced; the arrangement for registering the watchman's rounds, the arm or the catch on the lock that records the opening and closing of the clock; also the escutcheon plate, the removal of which from the key hole pricks or marks the dial to prevent fraud.

It is **absolutely** tamper proof.

It serves as a large, fine-looking eight-day timepiece (runs fourteen days), and is dust-proof.

It is simplicity itself, therefore there is nothing to get out of order more than there is in an ordinary clock, having only two more wheels, in addition to which is a button with a needle at its end, which pricks the dial as the watchman presses it.

It is bound to record every such operation.

Each station is independent of the other, so that if one clock should get out of order, the others will still record, while you can take it to any good jeweler and get it repaired in an hour or two.

It can be placed anywhere and can be removed at will by any one, as it is fastened up with only two screws, which, however, are inside of the case, so that the watchman can not take the clocks down and carry them to some convenient place.

It is the only watch clock that will record the night-watchman's record independent of the day watchman's on Sundays and holidays, the records being made at night on a separate part of the paper.

The cases are made of finely finished hard wood, in walnut, cherry, ash and antique oak, so that they are nice enough for the most elaborately finished office.

Each **$12 00**

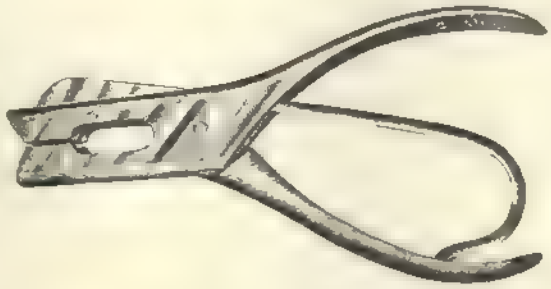
Dials.

24 Hour . . . . . Per hundred, **$0 65**

48 Hour . . . . . " **90**

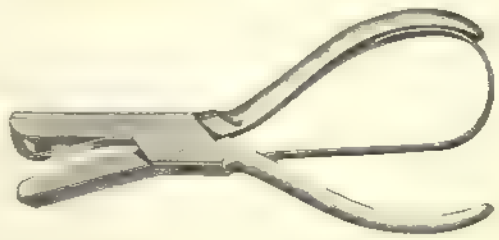
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

CONDUCTORS' PUNCHES



No. 12 Polished, with fancy holes, assorted per doz. - - - - - - - - $7.00

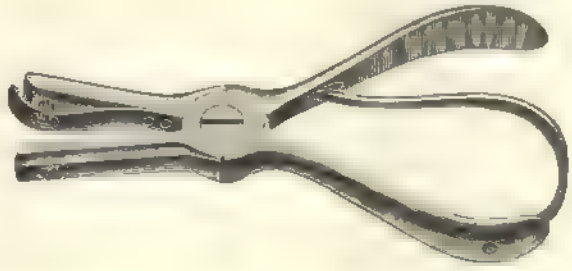
ONE DOZEN IN A BOX.



No. 36–Polished, round hole, - - per doz. $ 8.00

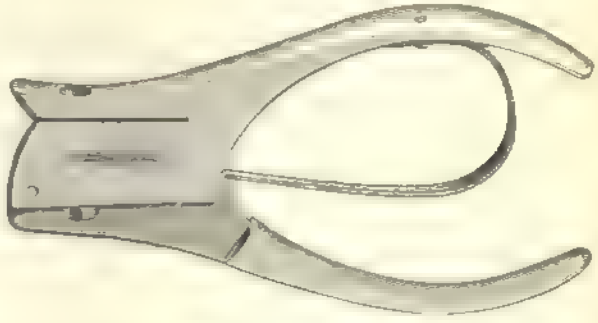
No 137 Nickel plated, fancy holes, assorted per doz. - - - - - - - - 10.50

ONE DOZEN IN A BOX.



No. 38 Nickel plated, fancy holes, assorted, per doz. - - - - - - - - $15.00

ONE DOZEN IN A BOX.



No. 44–Nickel plated, fancy holes, assorted per doz. - - - - - - $36.00

ONE IN A BOX.

MACHINE PUNCHES.

½ in., octagon cast steel, - - - per lb $0.40

HALF DOZEN IN A BOX.

COLD CHISELS.

Octagon, Half Polished, Cast Steel.

Inches,	¼	⅜	½	⅝	¾	⅞	1
Lbs. per doz.	1¾	2¼	4¼	7	11	15	20
Per pound	$0.40	.40	.30	.30	.30	.30	30

¼ AND ⅜ IN., ONE DOZEN; BALANCE, HALF DOZEN IN A BOX

Saddlers' or Belt Punches

No. 101 to 110

Cast Steel, Forged and Drilled

Nos.	101	102	103	104	105	106	107	108	109	110	111
Per Dozen,	$										

Cast Punches, 10 to a Set.

Spring Punches.

No. 6.

No. 24.

No. 14. Cast Steel, Polished, Assorted Tubes, Per Dozen, $
" 24. Revolving 4 " Top, Cast Steel, Polished, Assorted Tubes, "
Extra Tubes Nos. 6, 8 and 10.

No. 14, One Dozen. No. 24, Half Dozen in a Box.

Conductors' Punches.

Nos. 10 and 6.

No. 20.

No. 10.—Cast Steel, Polished, Plain Round Holes, Per Dozen, $
" 15— " " " Assorted Fancy Holes, "
" 20— " " " Nickel Plated, Assorted Fancy Holes. "

Nos. 10 and 15, One Dozen. No. 20, One Dozen in a Box.

Axes.

Michigan Pattern.

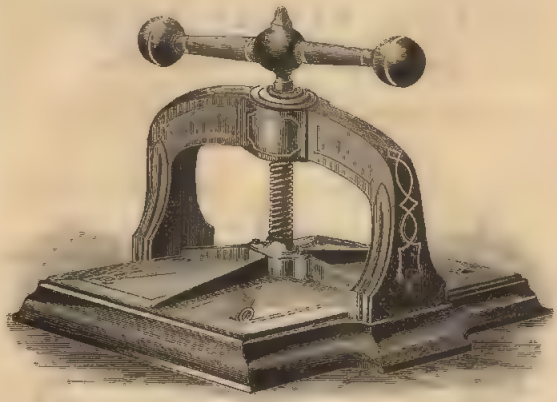
Ohio King.

Cast Steel, Painted Red Polished Head, ... Per Dozen, $

Weight of Each Axe Stamped on the Poll.

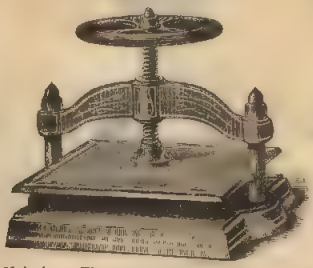
Weights Assorted. 3 to 4, 3½ to 4½, 3½ to 4½, 3½ to 4½, 4 to 6.

RAILROAD MANIFEST PRESSES.



No. 2. Platen 17 by 20 inches, Finished in Black and Bronze, . . . each, $25 00

COLUMN PRESS, with Lever or Wheel.



No. 6,	Platen 16 by 20 inches,	Finished in Black and Bronze, Polished Columns,	$27 50
"	" " "	Extra finished in Black, Carmine and Colors, with Nickel Plated Columns,	30 00
No. 7,	Platen 18 by 22 inches,	Finished in Black and Bronze, Polished Columns,	32 50
"	" " "	Extra finished in Black, Carmine and Colors, with Nickel Plated Columns,	35 00
No. 8,	Platen 20 by 24 inches,	Finished in Black and Bronze, Polished Columns,	37 50
"	" " "	Extra finished in Black, Carmine and Colors, with Nickel Plated Columns,	40 00

Lanterns.

Crank

U. S.

Rochester

No. 000. [illegible] Brass Tubular Lamp, Attachment without Guards, Per Dozen, $
" 2000— [illegible] Tin Tubular Lamp, Attachment without Guards, "
" 370—Crank [illegible] Crank "

Railroad

Pullman

Police.

No. 50 [illegible] Per Dozen, $
" 2 With [illegible] Lantern, Nickle Plated, With Globe, "
" 2H1 [illegible] Head Green Globe. "
" 3 [illegible] Police Lantern, Improved "
" 3 [illegible] Police Lantern, "

Lantern Globes.

No. 2

No. 20

No. 1 Inside

No. Globe

No.	Z	Pullman	White, Diam. Top 2 in., Bottom 2¾ in. Height 6¼ in.	Per Dozen, $
"	1½		Half green, Top 2 in., Bottom 2¾ in. Height 6¼ in.	"
"	1½ W	Keystone	White " " " " " "	"
"	1½ G		Green " " " " " "	"
"	1½ R		Ruby " " " " " "	"
"	2	Rocket	Inside White " " " " " "	"
"	2	"	Outside " " " " " "	"
"	3	Buckeye	Vested	Per Dozen Extra

No.

No.

No. 3

No.

No.				Per Dozen, $
"	OW	"	"	"
"	OR	"	"	"
"	OB	"	"	"
"	2	Hanging	"	"
"	3	Street	"	"

Conductor's Punches.

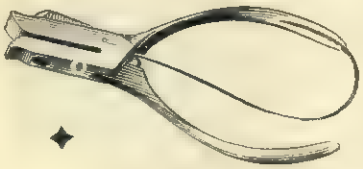


Fig. A–2399. No. 42.

No. **42.** Nickel Plated . . . . Per dozen, **$25 00**
No. **4310.** Nickel Plated . . " **20 00**

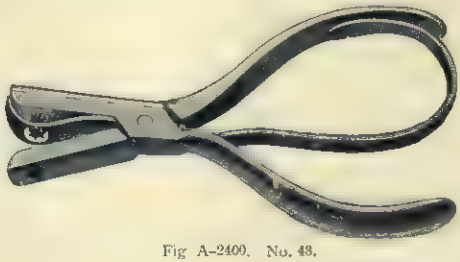


Fig. A–2400. No. 43.

No. **43** Nickel Plated . . . . . Per dozen, **$13 50**

One-half dozen in box

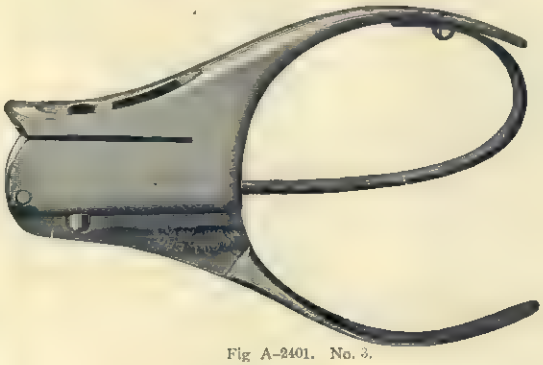


Fig. A–2401. No. 3.

Ticket Punches.

No. **3.** Nickel Plated . . . . . Per dozen, **$24 00**

One in box.

Ticket Punches.

No. **37.** Nickel Plated . . . . . Per dozen, **$10 00**

One dozen in box.

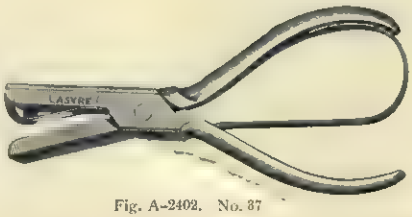


Fig. A–2402. No. 37

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Railroad Material.

Steel T Rail.
20 pounds per yard.

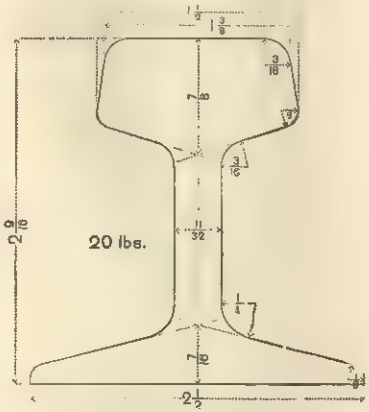


Fig. A-3475

Weight Per Yd., Lbs.,	8	12	15	16	20	25	30
Cents Per Lb.	$ . .	.	.			.	

Weight Per Yd., Lbs.	35	40	45	50	56	60
Cents Per Lb.	$.	.	. .	. .	.	

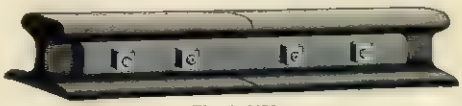


Fig. A-3476

Railroad Joint, with Fish Plate and Bolts Complete,

Size of Rail, Lbs. Per Yard,	8	12	15	16	20	25	30	35	40	45	50	56	60
Price Per Set Complete . . . . . $				.	.	. .	. .	.	. .			.	. .

Steel T Rail and Fixtures.

Weight per Yard	Weight per Mile of Track Short Tons	Rolled in Lengths of	Rails Required per Mile of Track.	Fish Plates Pounds per Mile.	Fish Bolts. Size.	Fish Bolts. Number per Mile.	Spikes. Size.	Spikes. Pounds per Mile.	Spikes. Number in 100 Pounds.
8 lbs	14 tons, 160 lbs.	20 feet	528	720	5/16 x 1 1/2	2150	5/16 x 3 1/2	2100	857
12 "	21 " 240 "	20 "	528	1070	" x "	2150	3/8 x "	2700	590
15 "	26 " 80 "	20 "	528	1130	" x "	2150	" x "	2700	590
16 "	28 " 320 "	24 "	440	1540	3/8 x 1 3/8	1780	" x 4	3300	487
20 "	35 " 400 "	24 "	440	1925	" x "	1780	" x "	3300	487
25 "	44 " "	24 "	440	2200	7/16 x 2 1/2	1780	7/16 x 4 1/2	4200	334
30 "	52 " 1600 "	30 "	352	3700	5/8 x 2 3/4	1450	" x "	4200	334
35 "	61 " 1200 "	30 "	352	4400	" x "	1450	1/2 x "	4500	250
40 "	70 " 800 "	30 "	352	4610	" x "	1450	" x "	4500	250
50 "	88 "	30 "	352	7000	3/4 x 3 1/4	1450	9/16 x 5	6000	180
60 "	105 " 1200 "	30 "	352	8200	" x 3 3/4	1450	" x "	6000	180

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Railroad Material.

SIDE-BEARING FLAT STREET RAIL.

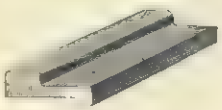


Fig. A–3477.

CENTER-BEARING STREET RAIL.

Fig. A–3478.

Track Iron.

For Tramways, Etc.

Thickness, Inches,	¼ & 5-16		⅜	½	¼ & 5-16		⅜	½	¼ & 5-16		⅜	½	¼ & 5-16	⅜	½
Width, Inches,	1¾		1¾	1¾	1½		1½	1½	1⅜		1⅜	1⅜	2	2	2
Size of Holes, Inches,	¼		5-16	⅜	¼		5-16	⅜	¼		5-16	⅜	¼	5-16	⅜

Punching and Counter-sinking ¼ and 5-16 Iron . . . . . Cents per Hole.
Punching and Counter-sinking, ⅜ and ½ Iron . . . . . " "

Other sizes punched and counter-sunk to suit any style of spike, for which special rates will be charged.

Prices on Application.

Frog Points—Steel or Iron.

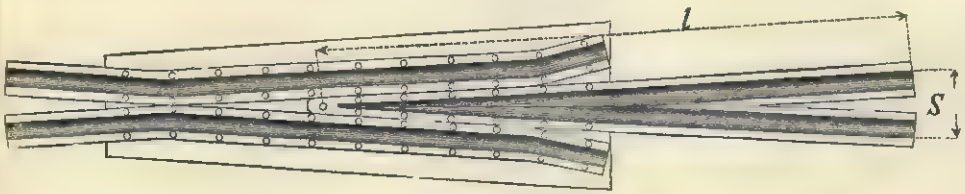


Fig. A–3479.

Regular Sizes—Planed and Fitted.

No. and Angle of Frogs		Size of Rail. 14 to 16 and 20 lbs. per yard.		Size of Rail. 25 and 28 lbs. per yard.		Size of Rail. 30, 35 and 40 lbs. per yard.		Size of Rail. 50, 56 and 66 lbs. per yard.	
No.	Angle.	l	s	l	s	l	s	l	s
5	11° 26′	2 ft 6 in	6 in	3 ft 0 in.	$7\frac{1}{16}$ in.	3 ft 6 in	$8\frac{3}{8}$ in.	4 ft 0 in	$9\frac{9}{16}$ in.
6	9° 32′	2 " 9 "	$5\frac{1}{2}$ "	3 " 6 "	7 "	4 " 0 in.	8 "	4 " 6 "	9 "
7	8° 10′	3 " 3 "	$5\frac{9}{16}$ "	4 " 0 "	$6\frac{13}{16}$ "	4 " 6 "	$7\frac{11}{16}$ "	5 " 3 "	9 "
8	7° 10′	. . .	. . .	. .	. .	5 " 0 "	$7\frac{1}{2}$ "	6 " 3 "	9 "
9	6° 22′	. . .	. . .	. . . . .	. . .	5 " 6 "	$7\frac{5}{16}$ "	6 " 0 "	8 "

Special frogs of every style made to order. Prices on Application.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Riverside Chisels.

Socket Firmer Chisels.

Fig. A–1778.

Inch,	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen .	$8 00	8 00	8 00	9 00	10 00	11 00	11 00	12 00	13 00	14 00	15 00	16 00

One-half dozen in a box.

Riverside Bevel Edge Socket Firmer Chisels.

Fig. A–1779. Leather Tipped Handles.

Inch,	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen . .	$8 00	8 00	8 00	9 00	10 00	11 00	11 00	12 00	13 00	14 00	15 00	16 00

One-half dozen in a box.

Riverside Corner Chisels.

Fig A–1780.

Inch,	1/8	5/8	3/4	7/8	1	1 1/2	1 1/4
Per dozen	$22 00	24 00	28 00	30 00	32 00	34 00	36 00

One-half dozen in a box

Riverside Socket Framing Chisels.

Fig. A–1781.

Inch,	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen	$12 00	12 00	12 00	13 00	14 00	15 00	16 00	18 00	20 00	22 00	24 00

One-half dozen in a box.

Assorted in Sets, 1/4 to 2 Inches, 11 Chisels (1 Each Size from 1 1/4 to 2 Inch Inclusive) $18 00

Carpenters' Sticks.

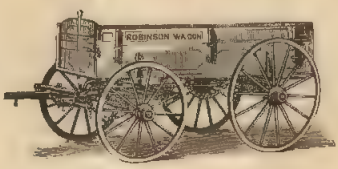
Fig. A–1782.

	Inches,	2 1/2	3	3 1/2	4
Riverside	Per dozen,	$40 00	44 00	52 00	60 00
Bartons	"	22 00	25 00	30 00	35 00

One-sixth dozen in a box.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

FARM WAGONS.



☞NOTICE in ordering that the Two-Horse Wagons are made "Army Tongue" style, and Four-Horse Wagons "Stiff Tongue," unless otherwise ordered. Drop Tongues are made without extra charge when ordered. All Wagons (except the Georgia) are made with Double and Single Trees, Lock and Stay Chains, &c., and are all ornamented, striped and varnished, unless ordered plain. Wide Track, 5 feet 2 inches, out to out; Narrow Track, 4 feet 8 inches, out to out. When Track is not mentioned, Wide Track will be sent.

GEORGIA ONE-HORSE WAGON.

Wheels, 3 feet 6 inches, and 4 feet 2 inches high; Tread, 1¾ inches; Track as desired; Iron Axles, 1¼ inches Tire, 1¼ by ⅜ inches, Shafts attached to axle by shackle clips. No front hounds, sandboard or swaybar Hind gearing made same as on common farm wagons, with extension coupling and adjustable body. Body, 8 feet 6 inches long, 10 inches deep, without top box Standards framed into bolsters. These are light, durable, low-priced wagons. For use on small farms.

Price, with Spring Seat, - - -

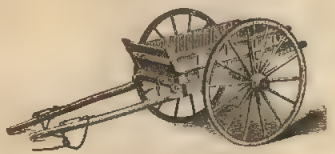
LOG WAGONS.

Four Wheels. For Oxen or Horses.

3 ft. front and 3 ft. 4 in. hind Wheels, 2¾ in. Iron Axles, 10 x 16 in. Hubs, 3 in. Spokes, 3 x ⅝ in. Tire; Track as ordered. Capacity, 10,000 lbs. Made for either horses or oxen, with Bolsters arranged for hauling both logs and lumber.

Price, with Iron Axles, - - - - - - - - - - - - $150 00
" " Steel Thimble Skeins, - - - - - - - - - - 150 00
" " usual Wagon Boxes, Skeins and Linch Pins, - - - - 125 00

DUMP CARTS.



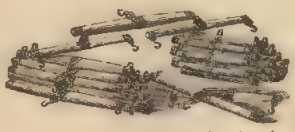
PLANTATION CART.

Wheels, 4 ft. 8 in. high; Iron Axle, 1¾ in.; Tire, 1¼ x ½ in.; Hubs, 8 x 11 in.; Spokes, 2½ in.; Body, 5 ft. long, 10 in. deep, 3 ft. wide. Capacity, 1,200 lbs. Weight, 500 lbs. Price, - - - - - - - - - - - - $45 00

RAILROAD CART.

Wheels, 4 ft. 8 in. high; Iron Axles, 2 in.; Tire, 1¼ x ⅝ in.; Hubs, 8¼ x 13 in. Spokes, 2½ in.; Body, 5 ft. long, 11 in. deep, 3 ft. wide. Shafts are hinged to Body (instead of Axle), the draft aiding to replace the body after dumping. Capacity, 1,500 lbs. Weight, 600 lbs. Price, - - - - - - $50 00

PLOW SINGLE AND DOUBLE TREES.



Plow Single Trees, 26 in. long, ironed and painted. Weight, per dozen, 37 lbs. Price, per dozen, - - - - - - - - - - $5 50

Plow Double Trees, 36 in. long, ironed and painted. Weight, per dozen, 74 lbs. Price, per dozen, - - - - - - - - - - $9 00

Lap Rings, ⅝ in., per dozen, - - - - - - - - - - - 90
" " ½ in., " - - - - - - - - - - 80

BELLS.

COW AND SHEEP.

Cow Bell. Sheep Bell.

Cow Bells.

No.	7	6	5	4	3	2	1	0
Height, in.,	2¼	2½	3½	4	4¾	5½	6	6½
Width, in.,	2¼	3	3	3½	4¼	4½	5	5½
Per dozen	$2 50	3 00	4 00	5 00	6 00	8 00	10 00	12 00

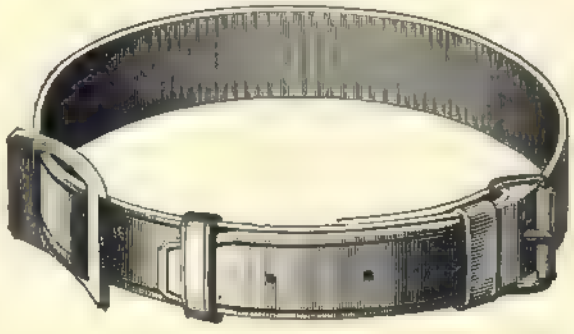
The measure for Height is without Loop.

Strapped Sheep.

No. 1–1¼ × 1½ in. mouth, riveted to ⅝ in. strap, per doz. - - - - - - - - $3 00

No. 2–1½ × 1⅞ in. mouth, riveted to ⅝ in. strap, per doz - - - - - - - 3 50

COW BELL STRAPS.



1½ in., - - -	per doz.	$3.75
1¾ in., - - - - -	"	4.25

HORSE CAR.

Unpolished Bell Metal, Tongue Cast in.

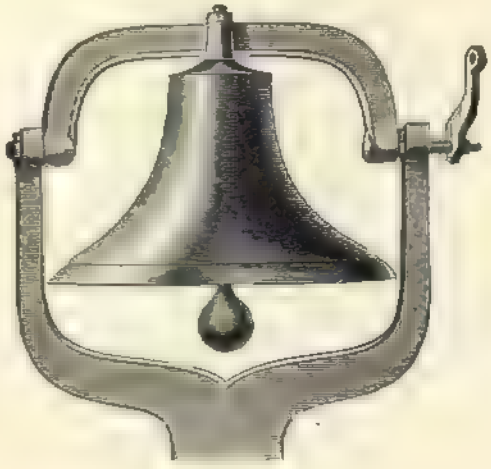
No. 4–3¼ in. mouth, - - - per doz. $3.00
No. 7–4 in. mouth, - - - " 4.00

HOUSE.

Polished Bell Metal.

No.	1	2	3	4	5	6
Mouth, inches,	2	2¼	2½	2¾	3	3½
Per dozen -	$1 00	1 25	1 75	2.25	2 75	3.25

FARM.



Steel Composition, Bronzed.

No. - - -	1	2	3	4
Diameter, inches, -	15	17	19	21
Weight, pounds, -	40	50	75	100
Each - - -	$4.00	5.00	7.50	10.00

SLEIGH BELLS.

SHAFT CHIMES.

No. 32-Nickel plated sheet metal bells, iron strap - - - - - - per pair $0 60
No. 325 Oroide sheet metal bells, iron strap, per pair - - - - - - - - .65

No. 15-X plated bells, iron strap, - per pair $0 85
No. 29-Oroide bells, iron strap, - " 1 00

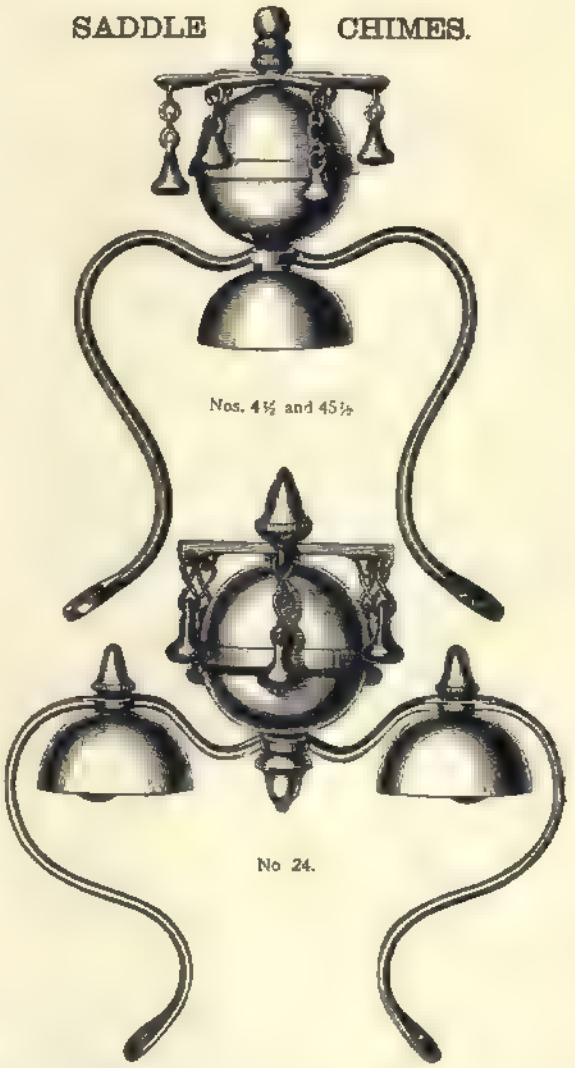
No. 33½-Nickel plated bells, nickel plated strap, - - - - - per pair $1.35
No. 334½-Oroide bells, nickel plated strap, per pair - - - - - - - 1 50

No. 28-Gold plated bells, fancy brass strap, per pair - - - - - - - $1 20

No. 8½-Nickel plated bells, iron strap, per pair $1.30
No. 84½-Oroide bells, iron strap, - " 1.50

No. 022 Nickel plated bells, iron strap, per pair $1 50
No. 0224-Oroide bells, iron strap, - " 1 75

SADDLE CHIMES.



Nos. 4½ and 45½

No 24.

No. 4½-Nickel plated, height, 9½ in., - each $2.00
No. 45½-Oroide, height, 9½ in., - - " 2 00
No. 24 -Gold plated, height, 9 in., - " 3.00

ROUND LOOSE BELLS.

No.	1	2	3	4	5	6
Diameter, inches,	1	1⅛	1⅜	1¼	1⅜	1⅞
Per dozen -	$0 38	52	.68	82	.98	1 10

No.	7	8	9	10	11
Diameter, inches,	1½	1⅝	1¾	2	2¼
Per dozen	$1 35	1 57	1 90	2.25	2.60

"TUCKER'S" ALARM CASH DRAWER.

Fig. A-1267.

Size, Inside Measure, 15½x14½ Inches . Per dozen, **$36 00**

WADDEL'S CASH DRAWER.

Fig. A-1268

Per dozen . . . **$24 00**

Packed one-half dozen in crate.

APPLE PARERS.

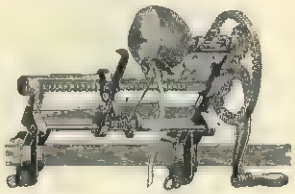


Fig. A-1269.

BAY STATE.

Bay State . . . . . Per dozen, **$13 00**
Improved . . . . . " **32 00**

"SCOTT'S" PEACH PARERS.

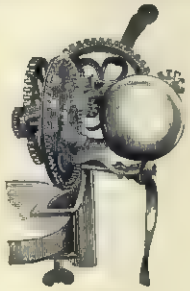


Fig. A-1270

SCOTT'S.

With Rotary Knife . Per dozen, **$16 50**

Fig. A-1271.

THE IMPROVED EUREKA FRUIT PITTER.

To Fruit Growers, Driers and Canners.

For pitting PEACHES, PLUMS, APRICOTS, NECTARINES, ETC., with this machine, one person can do the work of FOUR TO SIX HANDS USING KNIVES.

It cleans the pit PERFECTLY, and leaves the fruit in two equal parts.

It does not BRUISE the fruit and does the work NEATER, QUICKER and BETTER than it can be done by hand with a knife.

They are made to operate by hand, but can be adjusted to work by FOOT POWER in ten minutes' time.

This is the ONLY small machine for this kind of work, and the low price at which we offer it, places it within the reach of all. It will save its price in ONE DAY

In ordering, be particular to state what kind of fruit you want to use it for Unless ordered, we do not send the PLUM PITTING CUSHION

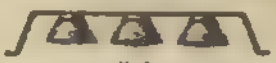
Per dozen **$36 00**
Extra Knives . . . . . Per dozen, **12 00**
Extra Rubbers . . . . " **12 00**

Shaft Sleigh Bells.

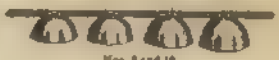
No. 1

Nos. 4 and 5

No. 1—4 No. 1 and 2 No. 2 Tinned Bells on Leather Straps, . . Per Pair $
" 4—4 " " Tinned Bells, on Japanned Iron Straps. . .
" 5—5 Nickel Plate Bell Metal Bells on Japanned Iron Straps, . .



No. 8.



Nos. 9 and 10.

No. 8—6 Nickel Plated Bell Metal Bells on Japanned Iron Straps, for Top of Shafts. Per Pair $
" 9—5 " " Tuned Chime Bells, on " " " " " "
" 10—5 Gold " " " " " " " "

Nos. 11 and 12.

Nos. 91 and 191.

No. 11—4 Nickel Plated Tuned Chime Bells, on Japanned Iron Straps . . Per Pair $
" 12—4 " Gold " " " " " " " "
" 91—4 Nickel " " " " with Outside Tongues, on Japanned Iron Straps, " "
" 191—4 " Gold " " " " " " " " " "

Cow Bells.

Wrought.

Nos. 0 & 04

Western

Nos. 2 & 4

Nos.	0	02	04	Nos.	2	3	4
Height without Loop, Inches,	2½	3	4	Height without Loop, Inches,	6	7	8
Per Dozen,	$			per Dozen,	$		

Sheep Bells.

No. 2.

No. 1—Sheep Bells, without Straps, . . . Per Dozen
" 12— " " with Leather Straps,

House Bells. Nut Car Bells. Loop Team Bells.

Nos. 1 to 4.

No. 13.

No. 14

No.			Per Pound
"	1	Round House Bells, Diameter of Mouth 2½ in.,	"
"	2—	" " " " 2 "	"
"	3—	" " " " 1½ "	"
"	4—	" " " " 1 "	"
"	13—	" Nut Car " " " ⅞ "	"
"	14—	Twisted Loop Team Bells, Diameter of Mouth 3 in.	"

Farm Bells.

No. A to F

No. H

No.		Pat.	Bells.	Brackets.	Diameter of Mouth.	Weight.	60 lbs.	Each.
"	A	"	"	"	6½ in.,	"	55 lbs.,	"
"	B	"	"	"	15½ "	"	55 lbs.,	"
"	C	"	"	"	13½ "	"	55 lbs.,	"
"	D	"	"	"	12 "	"	75 lbs.,	"
"	E	"	"	"	10½ "	"	90 lbs.,	"
"	F	"	"	"	9 "	"	120 lbs.,	"
"	H	"	"	"	23½ in.,	"	175 lbs.,	"

Cast Gem Pans.

No. 1—11 Round Cells, 2¼ in. . . . . Per Dozen $

No. 2—11 Round Cells, 3 in. . . . . Per Dozen

No. 3—11 Round Cells, 3 in. . . . . Per

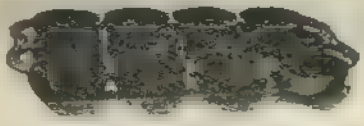
No. 5—9 Oval Cells, 2½ x 4 in. . . . . Per Dozen,

No. 6—12 Oblong Cells, 2x3 in. . . . . Per Dozen,

Cast Gem Pans.

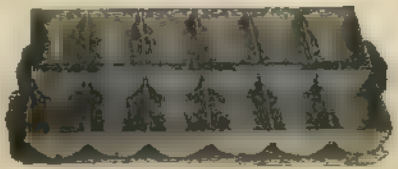
No. 7—8 Oblong Cells, ⅞×3½ in. . . . . Per Dozen, ¢

No. 8—11 Round Cells, 1 in. . . . Per Dozen ¢



No. 9—12 Round Cells, ¾ in. . . . . Per Dozen, ¢

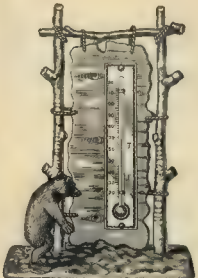
No. 10—11 Round Cells, 2¼×1¼ in., Deep. . . . Per Dozen, ¢



No. 11—12 Oblong Cups, 2×3 in. . . . . Per Dozen, ¢

QUADRUPLE PLATE SILVER WARE.

P No. 2828. Razor Strop $1 75



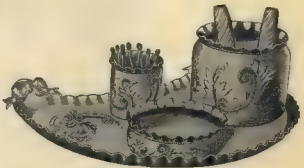
P No. 5601 Thermometer
Bright Finish..... $3 25

P No. 1435. Card Case.
Embossed..... .....$3 50

P No. 6166 Card Case
Etched Old Silver $5 00

P No. 4802. Cigar Lamp $2 75

P No. 2762. Cigar Box.
For 50 Cigars, Bright Finish.....$12 00



P No. 4900 Smoking Set.
Bright Cut Gold Lined..... . .. .$12 50

P No. 2761. Cigar Box.
For 100 Cigars, Embossed.....$23 00

P No. 2759. Cigar Box.
For 25 Cigars, Embossed $11 50

FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

QUADRUPLE PLATE SILVER WARE.

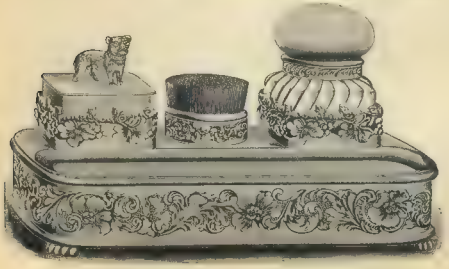
P No. 1999. Ink Stand.
Satin $7 00

P No. 1997. Ink Stand.
Bright Finish $6 00

P No. 7404. Ink Stand
Bright Finish $5 75

P No. 7200. Calendar
Satin $6 00

P No. 5403. Ink Stand
Bright Finish $4 00



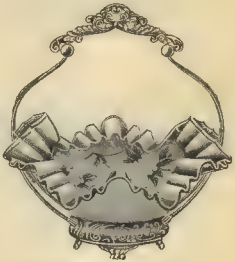
P No. 1998. Ink Stand.
Embossed $14 50

P No. 1996. Ink Stand.
Embossed $5 50

FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

QUADRUPLE PLATE SILVER WARE.

P No. 474 Berry 86 25



P No 471 Berry 87 50

P No. 2209. Epergne.....$40 00

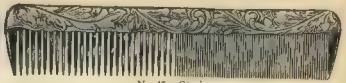
FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

FINE QUADRUPLE PLATE SILVER TOILET GOODS.

PRICES EACH.

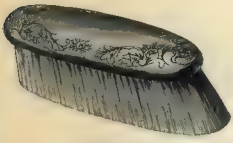
No. 48. Comb.

Engraved Satin..... $3 75



No. 45. Comb.

Bright Silver $3 50



No. 48. Hat Brush.

Engraved Satin..... $4 75

No. 045. Mirror.

Bright Silver..... $8 75

No. 045. Hair Brush.

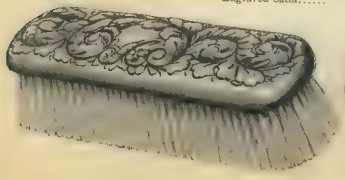
Bright Silver..... $6 50

No. 48½. Mirror.

Engraved Satin..... $9 75

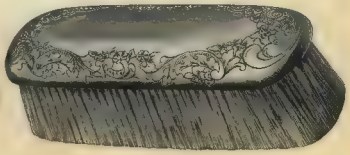
No. 048. Hair Brush.

Engraved Satin..... $9 00



No. 45. Cloth Brush.

Bright Silver..... $6 75

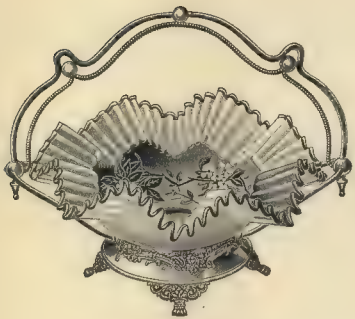


No. 48. Cloth Brush.

Engraved Satin..... $7 00

QUADRUPLE PLATE SILVER WARE

MANUFACTURED BY THE MERIDEN SILVER PLATE CO.



M No. 7046. Decorated Ivory Glass, Rose Lined.....$8 00

M No. 7041. Engraved Crystal Glass.....$7 25

FRUIT AND BERRY DISHES

M No. 0741. With Spoon, Crystal Glass..... $6 50

M No. 7050. Decorated Bisque Glass, Beryl, Rose and Blue Lined $10 50

QUADRUPLE PLATE SILVER WARE.

MANUFACTURED BY THE MERIDEN SILVER PLATE CO.

PRICES EACH

M No. 2301. Embossed Toilet Bottle, $6 50

M No. 32. Trinket Tray, $1 75

M No. 42. Bon Bon, Gold Lined, $5 00

M No. 2. Pin Box, $1 50

M No. 305. Mucilage Pot, Removable Glass Lining, $4 00

M No. 11. Bon Bon, Etched, $2 25
Bon Bon Tongs, each, $0 70

M No. 02073. Candelabra, 5 Lights.....$18 00
Same as above, with 4 Lights, No. 02072..... 15 50
Same as above, with 3 Lights, No. 02071..... 13 00
Same as above, with 2 Lights, No. 02070..... 10 50
Same as above, with 1 Light, No. 02067, 8 inches high . 6 50
Same as above, with 1 Light, No. 02068, 9 inches high . 7 00
Same as above, with 1 Light, No. 02069, 10 inches high . 7 50

M No. 090. Tooth Pick Holder, $1 75

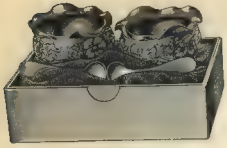
M No. 51. Match Holder, $1 75

M No. 20. Silver Engraved Puff Box, $5 00

M No. 5. Hair Pin Box, $2 50

M No. 201. Curling Set, $3 50

QUADRUPLE PLATE SILVER WARE.



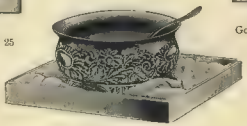
P No. 220. Salt Set
Gold Lined.....$3 50

P No. 765. Lunch Caster. $3 00

P No. 224. Salt Set
Gold Lined..... $3 50

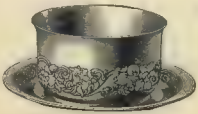
P No. 228. Salt Set.
Gold Lined..... $3 25

P No. 217 Salt Set
Gold Lined..... $3 00



P No. 4929. Salt Set.
Gold Lined $2 50

P No. 80. Ring.
Plain ..... per dozen $5 00
Gold Lined. ..... " 9 00

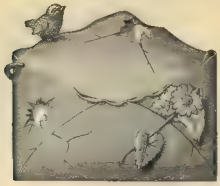


P No. 1910. Pap Set.
Gold Lined.....$7 00

P No. 79. Napkin Ring.
Plain ..... per dozen, $ 8 50
Gold Lined ..... " 11 50

FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

QUADRUPLE PLATE SILVER WARE.

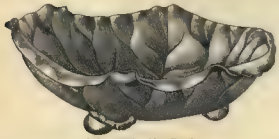


P No. 1442 Card Receiver.

Satin $6 50
Fancy Gilt. 7 50

P No. 1440. Card Receiver

Bright Cut. $5 25

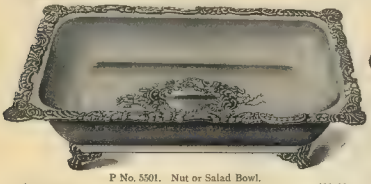


P No 5504. Nut Bowl.

Satin $7 50
Gold Lined. 9 00

P No 2905. Ice Tub.

Embossed $7 00



P No. 5501. Nut or Salad Bowl.

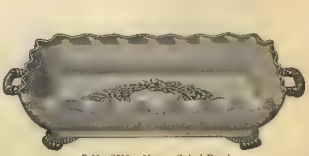
Satin $11 00
Gold Lined 13 00

P No. 2618. Nut Bowl.

Embossed Center. . . . . $ 8 00
" " Gold Lined 10 00

P No. 2266. Fruit Basket.

Plain $9 00



P No. 2619 Nut or Salad Bowl.

Satin $6 50
Gold Lined 8 00

FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

SPECIALTIES IN SILVER PLATE.

BRIGHT FINISH, PLATED ON HARD WHITE METAL, FINELY FINISHED. PRICES EACH.

No. 015. Collapse Cup.
Oxidized ..... .85 50

No. 041. Pocket Comb.....$2 50

No. 035. Tablet.
Bright Silver.....$2 50

No. 044. Shoe Horn .83 50

No. 037½. Playing Card Case.
Bright Finish.....$5 50

No. 029. Match Box..$2 50

No. 021. Match Box.....$2 50

No. 028. Match Box. $2 50

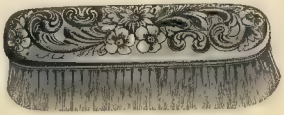
No. 2470. Mirror, Embossed $7 50
Same, Satin 5 25

No. 2470½. Mirror, Embossed $7 50
Same, Satin, No 2487 ..... 5 25

No. 11. Cloth Brush, Embossed $7 00
Same, Satin 5 00

No. 10. Hair Brush, Embossed $7 00
Same, Satin 5 00

No. 5. Comb, Embossed $2 75
Same, Satin 2 50



No. 12. Hat Brush, Embossed $5 25
Same, Satin 4 50

SUPERIOR SILVER PLATED WARE.

No. 1844. Napkin Ring, Per Dozen, $15 00

No. 1855. Napkin Ring, Per Dozen, $18 00

No. 1865. Napkin Ring, Per Dozen, $15 00

No. 1830. Napkin Ring, Per Dozen, $18 00

No. 1882. Napkin Ring, Per Dozen, $21 00

No 1875. Napkin Ring, Per Dozen, $16 50

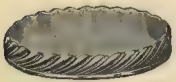
No. 1808. Napkin Ring, Per Dozen, $15 00

No. 1805. Napkin Ring, Per Dozen, $15 00

No 1815. Napkin Ring, Per Dozen, $8 50

SUPERIOR SILVER PLATED WARE.

PRICES EACH.

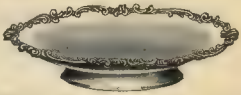


No. 734. Pin Tray. .. $2 50

No 737 Pin Tray..... . $2 50

No. 739 Pin Tray $2 75

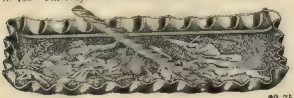
No. 775. Pin Tray $3 75



No. 2616. Card Receiver..... .... $5 75

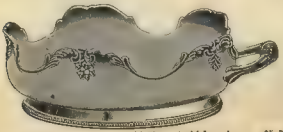
No 766 Pin Tray.. . . . . $3 75

No. 709. Bon Bon Tray.....$1 75



No. 81. Ash Tray.....$2 75

No. 715. Bon Bon Tray.....$2 25



No. 706. Bon Bon Dish .....$4 75 Gold Lined. $5 75

No. 43. Photograph Frame, Cabinet Size. $8 00

SILVER AND NICKEL PLATED CALL BELLS.

Numbers 1, 6, 600 and 601 are Superior Quality of Silver Plate on Nickel Silver and are particularly fine toned.

No. 0

Bright Finish..... .. ..each, $4 70

No. 050.

Pear Shape.... . .....per doz., $7 00

No. 1

Bright Finish.....each, $2 20

No. 600.

Bright Finish.....each, $5 00

No. 9200.

Bronze Base..... ..per doz., $7 50

No. 601.

Bright Finish.....each, $5 50

No. 9403.

Nickel Base.. .....per doz., $11 00

No. 2200.

White Marble Base.....per doz., $18 00

No. 9418

Rotary Strike, Polished Brass Relief Base.....per doz., $12 00

FINE QUADRUPLE PLATE SILVER WARE.

PRICES EACH.

No. 2302. Toothpick Holder.
Old Silver, Gold Lined.....$2 00

No. 1136. Bon Bon Basket.
Bright Silver, Engraved, Gold Lined ... .. .87 75

No. 48 Medium Button Hook, Satin Engraved.... .. $1 75
Same, Plain Satin 1 50

No. 69 Medium Button Hook, Satin Engraved..... $1 75
Same, Plain Satin... ..... 1 50

No. 48 Paper Cutter, Satin Engraved.....$2 25
Same, Plain Satin. 1 00

No. 60. Paper Cutter, Satin Engraved.....$2 25 Same, Plain Satin $2 00

No. 2307. Toothpick Holder.
Old Silver, Gold Lined.....$1 75

No. 333. Napkin Ring.
Satin, Silver Engraved.... .. ..per doz., $18 00

SPECIALTIES IN SILVER PLATE.

BRIGHT FINISH, PLATED ON HARD WHITE METAL, FINELY FINISHED.

PRICES EACH.

No. 031. Purse.
Bright Finish.....$4 00

No. 026. Tobacco Box
Gold Lined.....$5 50

No. 038. Purse.....$5 50

No. 033. Tablet.
Bright Silver.....$2 00

No. 036. Garters (Silk Elastic).
Bright Silver Buckle. Pair, $3 50

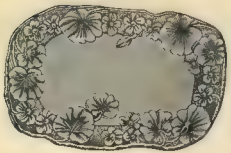
No. 032. Tablet.
Celluloid Leaves, Bright Finish.....$2 00

No. 025. Tablet with Pencil.
Bright Finish.....$4 00

No. 034½. Rattle.
Bright Silver, Celluloid Ivory Ring, $2 00

No. 020. Calling Card Case.
Bright Finish.....$5 50

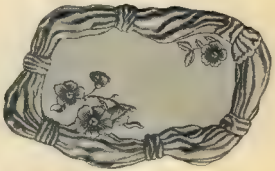
QUADRUPLE PLATE SILVER TRAYS.



P No. 3722. Trinket Tray, Plain or Satin.....$1 75

P No. 3715. Tray, Lettered $2 25

P No. 1939. Trinket Tray, Plain. $1 25



P No 3718. Trinket Tray Plain or Satin... . . . . $1 75

P No. 3717 Pen Tray, Plain or Satin..... . . . . $2 25

P No. 1960. Cigar and Ash Tray, Satin..... $4 25

P No. 3714. Pen Tray, Plain or Satin..... . . . . $3 00

P No. 3716. Trinket Tray Lettered..... . $1 75

FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

QUADRUPLE PLATE SILVER WARE.

P No. 3713. Toothpick Holder.
Gold Lined ... $2 00

P No. 3723. Toothpick Holder.
Gold Lined. ... $2 50

P 3734. Toothpick Holder.
Gold Lined ... $2 00

P No. 3727. Toothpick Holder.
(Covered.) $3 25

P No. 3725. Toothpick Box.
Embossed... $1 75

P No. 3731. Toothpick Holder.
Embossed, Gold Lined... $2 25

P No. 2561. Sugar Sifter.
Embossed... $4 50

P No. 3720. Pin Box
Embossed ... $1 75

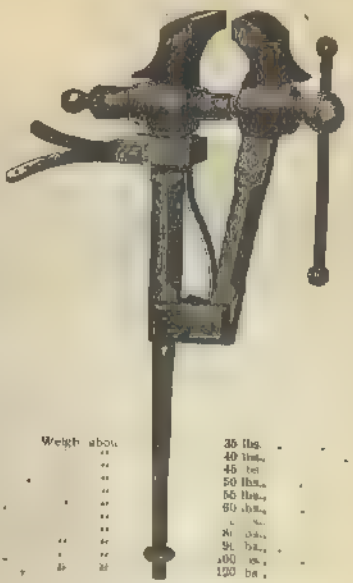
P No. 928. Jewel Box.
Embossed, Satin Lined... $4 50

P No. 3730. Toilet Box.
Embossed... $4 00

P No. 3721. Toilet Box.
Embossed ... $3 25

FOR SPECIALTIES IN LOW PRICED SILVER PLATE SEE PAGE 144.

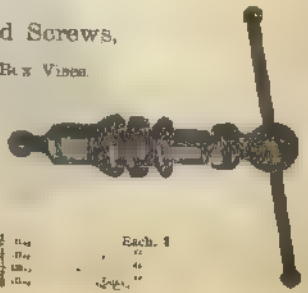
Solid Box Vises.



No.		Jaws.	Weight about		Each.
"	035	3½ in.	"	35 lbs.	$
"	040	4 in.	"	40 lbs.	"
"	045	4½ in.	"	45 lbs.	"
"	050	5 in.	"	50 lbs.	"
"	055	5½ in.	"	55 lbs.	"
"	060	6 in.	"	60 lbs.	"
"	070	7 in.	"	" "	"
"	080	8 in.	"	80 lbs.	"
"	090	9 in.	"	90 lbs.	"
"	0100	10 in.	"	100 lbs.	"
"	0120	12 in.	"	120 lbs.	"

Boxes and Screws,

For Solid Box Vises.



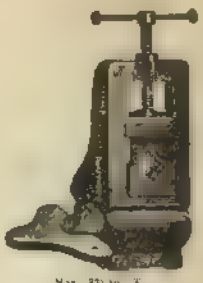
No.						Each. $
"	40	For Vises,	Nos.	035 to 040.	Diam. of Screw 1¼ in.	"
"	60	"	"	045 to 060	" " 1¼ in.	"
"	80	"	"	065 to 080,	" " 1½ in.	"
"	100	"	"	090 to 0120,	" " 1⅝ in.	"

Pipe Vises.

Hinged

Angle Plate.

Swivel.



Nos. 1201 and 1202

Nos. 1211 to 1213

Nos. 1221 to 1223

No. 1201 Malleable Iron Hinged, Holds Pipe [illegible] Each

" 1202 " " " " [illegible]

" 1211 Malleable Iron with Angle Plate, Holds Pipe [illegible]

" 1212 " " " " " [illegible]

" 1213 " " " " " [illegible]

" 1221 " Improved, Swivel " " [illegible]

" 1222 " " " " " [illegible]

" 1223 " " " " " [illegible]

Combination Pipe Vises.

Nos. 1231 and 1232

No. 1231 3½ in. Jaws, Holds Pipe ⅛ to 3 in., Weight 47 lbs., Each, $

" 1232—4 in. " " " ⅛ to 3½ in., " 70 lbs., "

NONPAREIL HAND MILLS.

No. 3½ Mill.

No. 3½, COMBINED HAND OR POWER MILL—Farm style, with crank, and pulley 2 x 6 with iron stand, weighing 100 lbs.; capacity, 4 to 10 pecks per hour, according to power. Price, - $25 00

No. 4, EMIGRANT OR ARMY MILL—A very superior Mill for settlers in a new country. Two cranks and geared; weight, 40 lbs. Price, - - $12 50. With Fly-wheel, - - 14 00

No. 4, COTTAGE STYLE—One crank and geared; weight, 35 lbs., all iron; fitted with Fly-wheels. Price, - - - - - - - - - - - - - - - - - $14 00

No. 5, Single Crank; wood back; large size; Coffee Mill for hotels. Price, - - 5 00

No. 6, Universal Spice and Coffee Mill, improved. Price, - - - - - 1 25

These Mills run equally well either way, are self-sharpening, and VERY DURABLE, and are the best Power and Hand Mills for Farmers' use ever invented.

☞ NEW RING PLATES, fitted and ground, as follows:

No. OB & O Mills, per pair, - - $12 00	No. 2 Mills, per pair, $7 00; Solid Plates, $10 00
" A Mills, per pair, - - - - 10 00	" 3 " " 5 00; " " 8 00
" 1 " " $9 00; Solid Plates, 12 00	" 4 " " 1 75; " " 2 25

DRUG AND GROCERS' MILL.

This convenient Mill runs only in one direction: has a Balance Wheel and a large Throat for taking in large substances, like Ginger, Cassia, Nut-Galls, Root Rhubarb, as well as all kinds of Spices and Coffee.

It is a very durable Mill, and not liable to get out of order. It does not grind as fine or as fast as the Nonpareil two-crank Geared Mill, but is convenient as a portable Mill.

Price, - - - - - - - - $9 00

BOATS.

SPRING LAKE CLINKER.

No. 3 14 ft., beam 32 in., depth at ends 17 in., depth midship 10½ in., number seats 2, seating capacity 2, weight 60 lbs., - - - - - - - - - - - - - - - - each $35.00

No. 13 16 ft., beam 36 in., depth at ends 20 in., depth midship 13 in., number seats 3, seating capacity 3, weight 110 lbs., - - - - - - - - - - - - - - - each 40 00

Oak keel, stem, sternpost and gunwales. Planking pine. Seats fastened with two knees on each seat, sassafras or ash breast hook. Painted inside and out, with ribs, seat supports, gunwales and breast hook finished in natural color of wood. Malleable iron rowlocks. One pair straight ash oars. Movable platform and bottom boards.

Fourteen-foot boat has one pair rowlocks. Sixteen-foot boat has two pair rowlocks, trim with one to three persons. Ten-foot punting oar extra, $2 00.

No. 4 15 ft., beam 40 in., depth at ends 21 in., depth midship 13 in., number seats 4, seating capacity 4, weight 110 lbs., - - - - - - - - - - - - - - - each $30.00

No. 14 Same as above, but oil finished throughout, - - - - - - - - - - - - - - " 35 00

These boats were built originally to supply a popular demand for something cheap. They are used as a hunting, fishing and family boat, being in great favor with tourists.

Oak keel, stem, stern and ribs. Gunwales oak or ash. Pine seats fastened with iron knees. Ash or oak breast hook. Planking pine, fastened with iron nails and screws. Painted throughout. Iron stem bands. Galvanized malleable iron rowlocks.

No. 24 13 ft., beam 36 in., depth at ends, 19 in., depth midship 12 in., number seats 2, seating capacity 2, weight 75 lbs., - - - - - - - - - - - - - - - each $25 00

No. 34–Same as above, but oil finished throughout, - - - - - - - - - - - - - - " 30 00

Oak keel, stem, stern and ribs. Gunwales oak or ash. Pine seats fastened with iron knees. Ash or oak breast hook. Planking pine, fastened with iron nails and screws. Painted throughout. Iron stem bands. Galvanized malleable iron rowlocks. One pair straight ash oars.

No. 5 15 ft. 8 in., beam 38 in., height stem 22 in., height stern 21 in., depth midship 12 in., number seats 4, seating capacity 4, weight 120 lbs., - - - - - - - - - - - - - - - each $40.00

No. 15 15 ft. 8 in., beam 42 in., height stem 24 in., height stern 23 in., depth midship 14 in., number seats 4, seating capacity 5, weight 140 lbs., - - - - - - - - - - - - - - - each 45.00

Rudder and Yoke, extra, - " 1.50

Lazy Backs, extra, - " 2.50

These boats are the standard, most durable and popular rowing and family boats afloat. Owing to their moderate cost and satisfaction given, they are in great demand. We claim they are the best boats in the market for the money.

Oak keel, stem, stern and ribs. Gunwales oak or white ash. Pine or white ash seats, riveted with four iron knees on each seat. Ash or oak breast hook. Planking pine, fastened with iron nails and screws. Two pairs galvanized iron rowlocks. One pair straight ash oars, from stem band. Movable bottom boards painted throughout. All boats Pearsons's celebrated model. We send complete catalogue of boats on application.

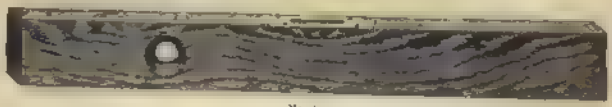
ACME FOLDING CANVAS.

The above represents a side view of the No. 2 extension and folded.

No. 2–Length 12 ft., beam 45 in., depth at stem and stern 22 in., depth midship 14 in., weight in its light form 35 lbs., weight complete 46 lbs., capacity 2 or 3 passengers, complete with one pair 6½-ft. oars, 1 pair of adjustable oarlocks, 2 folding seats, adjustable back and complete shipping case. each $40 00

It is a good general purpose boat. It can be made up into two bundles of equal size and weight.
The weight given above is for the complete boat, but without oars, rowlocks, seats and shipping case.

Plumbs and Levels.



No. 2.

No. 102—Levels, Arch Top Plate, Two Side Views, Polished, Assorted, 10 to 16 in., . . . Per Dozen, $
" 0— Plumbs and Levels Arch Top Plate Two Side Views, Polished Assorted, 24 to 30 in., . . . "

No. 102, One Dozen, No. 2, Half Dozen in a Box.

Adjustable Plumbs and Levels.

No. 3

No. 3—Adjustable, Arch Top Plate, Two Side Views, Polished and Tipped. Assorted, 26 to 30 in. Per Dozen, $

Half Dozen in a Box

No. 4

No. 4—Adjustable Arch Top Plate, Two Brass Lipped Side Views Polished and Tipped, Assorted 24 to 30 in. . . . Per Dozen, $
" 5— Adjustable Triple Stock Arch Top Plate Two Ornamental Brass Lipped Side Views, Polished and Tipped, Assorted, 26 to 30 in. . . . "
" 9— Adjustable Mahogany Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, Assorted, 26 to 30 in. . . . "
" 10— Adjustable Mahogany Triple Stock, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, Assorted, 26 to 30 in., . . . "

Half Dozen in a Box.

Stanley's Patent Duplex.

No. 20

No. 20—Adjustable Cherry Arch Top Plate, Improved Duplex Side Views, Polished and Tipped, Assorted, 26 to 30 in., . . . Per Dozen, $

These Levels have the ordinary form of leveling glass set in the top or face of the Stock as three-fourths of [illegible] uses of a Level are best secured by looking [illegible] the work [illegible]

For any uses by which [illegible] of the glass [illegible] may be found [illegible] an additional leveling glass is set in the side, at the opposite [illegible] from the Plumb.

Both glasses are [illegible] by brass [illegible] and can be very [illegible] either side [illegible] inserted in the Level, with the least possible removal of wood from the Stock.

Half Dozen in a Box.

Adjustable Plumbs and Levels.

Cook's Patent.

No. 34

No. 34—Adjustable Cherry Nickel Trimmed Assorted 26 to 30 in., ... Per Dozen, $

These Levels have two bulb tubes, one for Levelling and one for Plumbing. The frames holding the bulb tubes are arranged with Screws which reach to the plate on the upper edge of the stock, making a perfect adjustment.

Half Dozen in a Box.

Masons' Plumbs and Levels.

No. 35

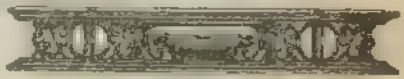
No. 35—Adjustable, 2½ in. Wide, 42 in. Long, ... Per Dozen, $

Half Dozen in a Box.

Davis' Adjustable Iron Plumbs and Levels.

Carpenters' and Machinists'

No. 6



No. 7

No. 6—6 in. Adjustable Iron Double Plumb and Level, ... Per Dozen, $
" 7—13 in. " " " " " " " "

One Dozen in a Box.

No. 8

No. 8—18 in., Adjustable, Iron, Double Plumb and Level, ... Per Dozen, $

One Dozen in a Box.

No. 9

No. 9—24 in., Adjustable, ... Per Dozen, $

One Dozen in a Box.

Speed Indicators.

Starrett's Improved Speed Indicator.

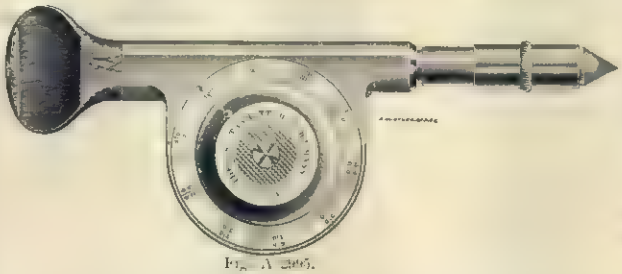


Fig. A 2965.

Price in Pasteboard Box, with Split Cap **$1 75**

This is a nicely made and fine working indicator. The working parts are inclosed like a watch, and as well made. The graduations show every revolution and with two rows of figures read both right and left, as the shaft may run. An auxiliary split cap is made to slip over the pointed spindle to adapt it to use on a center or pointed shaft. While looking on the watch each hundred revolutions may be counted by allowing the cylinder headed pin on the revolving disc to pass under the thumb as the instrument is pressed to its work. The dial is locked to a revolving stud—a slight thumb pressure and twist on the knurled eccentric releases it so that the indicator mark may be readily moved and locked to agree with the starting point, thus saving the necessity of turning the instrument to bring it there. The instrument is nickel plated and has either an ebony or rosewood handle, so that it will not heat the fingers when run at high speed. Every indicator is warranted first class.

Pocket Speed Indicator.

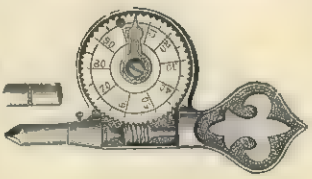


Fig. A 2986

Nickel Plated. Indicates 100 Revolutions.

Price Each. **$1 00**

Patented Improved Double Speed Indicator. Either Right or Left.

Fig. A 2997

Indicates 1,000 Revolutions . . . . . Each, **$2 00**

"Tabor's" Revolution Counter.

Fig. A–2 98

With Stop Motion . . . . . Each, **$1 00**

HOW TO READ THE DIALS.

The upper dial is graduated from 0 to 100, and registers units, the lower dial is graduated from 0 to 50, and registers hundreds, making a continuous count of 5,000 possible.

The reading on the under dial is through the opening in the upper dial. The index finger indicates the count on the upper dial; for instance, if the point in the opening through the upper dial indicates 45 on the lower dial, and the index finger points to 25 on the upper dial, the reading will be 4,525 revolutions.

The "Lightning" Speed Indicator.

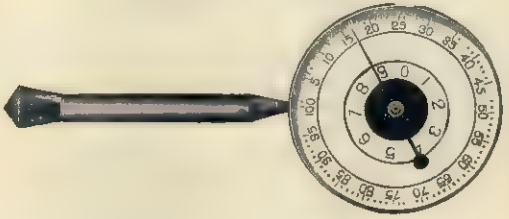


Fig. A–2999.

It registers as high as 1,000, as seen by the cut, which is actual size. Can be held at any angle, making it very convenient for dynamo machines and the like. Has a silver plated dial and the face covered with a watch crystal.

Each **$2 50**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Tabor Improved Steam Engine Indicator.

U. S. Navy Pattern.

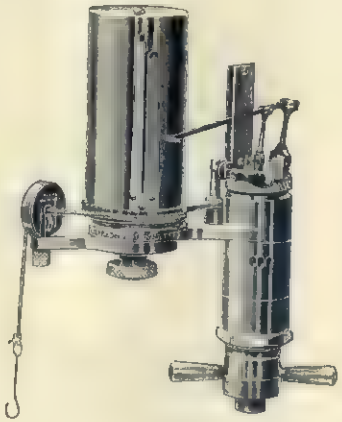


Fig. A–3000.

The "Tabor" steam engine indicator complete and full nickel plated, with one patent duplex spring, one scale, two cocks, 100 plain cards, one screwdriver, one bottle oil, one extra drum spring and the necessary wrenches, all inclosed in a neat black walnut box with nickel plated trimmings, price $ . . .

In this indicator, which is extensively used in the U. S. Navy, and which has been adopted by the U. S. Navy Department as its standard engine indicator, there is employed an improved device by which the escaping steam can be discharged or directed away from the operator, and in any desired position. This improved device consists of a tempered ring, fitting loosely around the body of the instrument and into which the waste steam first escapes. In this ring a series of holes are drilled for the final escape of the steam to the atmosphere, and it can be swiveled around the indicator body at the will of the operator.

Also the piston cylinder has an inside cylinder which can be replaced when worn out, which feature is a most valuable one, for in the case of other indicators, when the piston cylinder becomes worn, the entire indicator has to be thrown away, whereas with this instrument, with the addition of a new inside piston cylinder practically makes the indicator as good as new.

The Uses to Which the Steam Indicator May Be Applied.

There are three main objects for the determination of which the indicator diagram may be employed:

First—To serve as a guide in setting the valves of an engine.

Second—To determine the indicated power developed by an engine.

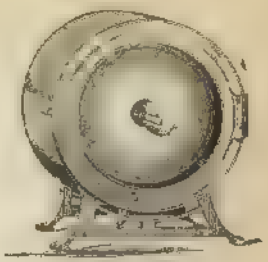
Third—To determine, in connection with a feed-water test showing the actual amount of steam consumed, the economy with which an engine works.

NOTE.—For full information in regard to the "Tabor" Improved Indicator, send to us for "Treatise on Tabor Indicator."

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Cable or Motor Car Head Lights.

No. 10



No. 011

No. 10—10 in., Square Cable or Motor Car Head Lights, . . . Each 6
" **11** 14 in., Electric " " " " " Tin Case, . . .
" **011**—11 in., " " " " " Brass or Nickeled Case, .

Locomotive Head Lights

No. 18 . . . Tin, japanned Red Body, Plain Japanned
" 20 . . . " " " "
" 23—23 in. " " " "

Nos 18 to 23 Head Lights furnished with . . . Green Night Signal . . .

Gasoline Torches.

No. 104. Gasoline Torches, . . Per Dozen $

Locomotive Torches.

No. 10— Locomotive Torches, Tin, 1 Quart . . . . . Per Dozen $
" 18— " " Brass, 1 " . . . . . "
" 20— " " Tin, 1 Pint (Round Long) . . . . . "
" 22— " " " 1 " . . . . . "

No. 1389—Boy with Top.

Height, 17 inches.
Royal Bronze $11.25. Old Ivory, $14.00

No. 1298—School Boy.

Height, 22½ inches.
Royal Bronze $21.00. Old Ivory $25.00

No. 1510—The Mishap.

Height, 16½ inches.
Royal Bronze, $9.00. Old Ivory, $11.00

CUTTERS AND SLEIGH BODIES.

CHILD'S CUTTERS.

No. 0C.

No. 0–Painted and striped, handles reversible, half oval shoes, 38 in. long, 30×15 in. runners, seat only upholstered, - - each $ 5 00

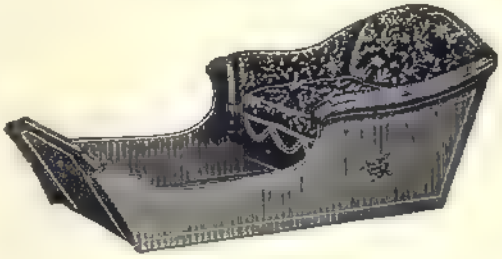
No. 00–Seat and back upholstered in ramine, otherwise same as No. 0, - - - each 6 00

No. 1–Handsomely finished, decorated and striped in light and dark colors, gear made entirely of second growth hardwood, with 3 bent knees, 6 tinned knee braces and oval shoes, size 42×18 in., seat only upholstered, - - - - - - - - each 6 00

No. 2–Seat and back upholstered in damask, otherwise same as No. 1, - - - each 8.00

No. 3–Artistically finished, striped and decorated in light and dark colors, body has rounded corners on back, bent dash with fenders, gear framed securely and made of best second-growth timber, knees shaped and ironed like a portland cutter, size 46×17 in, upholstered in plush, with plumes and nickel plated dash and arm rails, - - - each 15.00

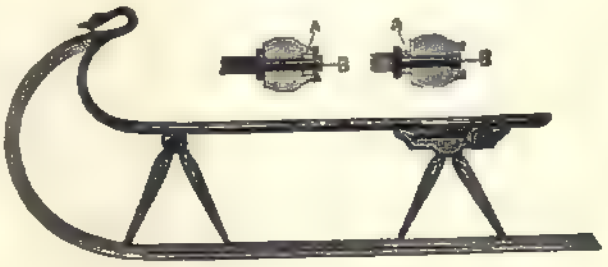
SLEIGH BODIES.



No. 1–Hand decorated and striped, with push handles, seat only upholstered, bottom 29×15 in., - - - - - - - - - - each $1.50

No. 2 Hand decorated and striped, with push handles, seat and back upholstered in damask, bottom 29×15 in., - - - - - - each 2 00

ADJUSTABLE BABY CARRIAGE RUNNERS.



No. 3–Painted and striped, half oval shoes, length, 4 in., - - - - - - - - - per pair $2.00

The rear hub moves horizontally in a slot to adjust difference between axles. They are provided with shells, "A," to be used if front axle is shorter than the rear

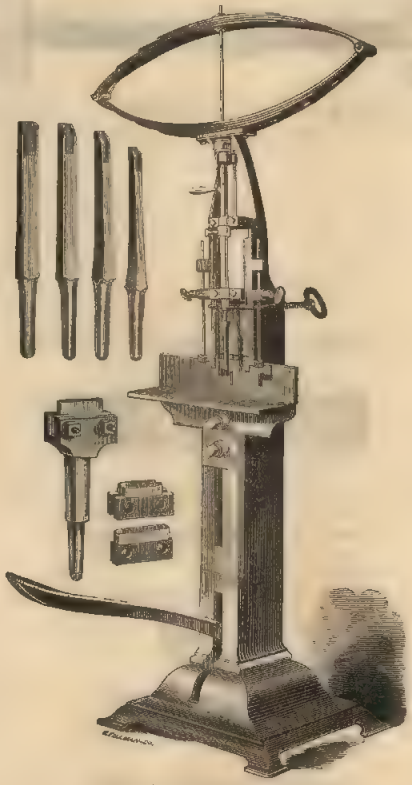
STEEL EXPRESS WAGONS.

	BODY, INCHES	WHEELS, INCHES	PER DOZEN
No. 04	9×18×3	6 and 9	$24.00
No. 03	10×20×3½	7 and 10	30 00
No. 02	11×22×4	8 and 11	36 00
No. 0	12×24×4½	8 and 12	42.00
No. 1	13×26×5	10 and 14	48.00
No. 2	14×28×5½	12 and 16	54 00
No. 3	15×30×6	14 and 18	60 00

The body is painted a bright vermilion color, neatly striped and varnished with the exception of the bottom board it is made of the best quality of sheet steel; the corners are rounded, and the top being bent over a wrought iron rod, makes it very firm. Japanned gear and tinned wheels.

HALF DOZEN IN A CRATE.

STEPTOE'S MORTISING MACHINE.



Boxed, complete (no charge for boxing), with four Chisels—5-16, ⅜, ½, ⅝ inch—and one stock for Blind Chisels, and 3 pairs of Bitts, - $48 00

EXTRA CHISELS, IF WANTED.

¼ to ½ inch, $1 50 each. ⅝ to ¾ inch, $1 75 each. ⅞ to 1 inch, $2 00 each.

BLIND CHISELS, for hand or machine, 3 pairs of Bitts—1¼, 1½, 1¾ inch, $5 00

BLIND BITTS, fitted to old stock, per pair, - - - - - - 1 25

STERLING SILVER NAPKIN RINGS.

PRICES EACH.

No. 52. $2 00

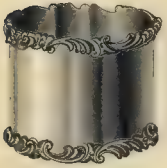
No. 51. $1 50

No. 145 $2 50

No. 5'0 $5 00
Extra Heavy.

No 280 $5 70
Extra Heavy.

No 194 $2 50



No. 282. $6 50
Extra Heavy.

No. 240. $3 50

No. 212. $4 00

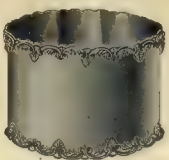
No. 59. $4 70

No. 169. $3 50

No. 190. $4 00

STERLING SILVER TABLE WARE.

No. 572F. Napkin Ring. .Each, $8 00
Extra Heavy. Cut full size.



No. 503C. Napkin Ring Each, $5 00
Cut full size.

No. 504C. Napkin Ring....Each, $7 00
Cut full size.

No. 149. Chased Salt Cup..Each, $4 40

No. 416. Tooth Pick Holder.Each, $14 40

No. 149. Satin Salt Cup Each, $3 20

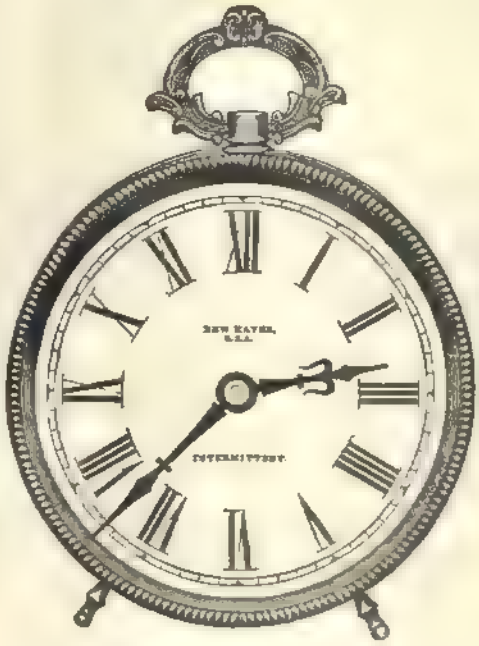
No. 188F. Sugar Bowl, Bright Finish. . . . . ..Each, $33 50
Cut two-thirds size.

No. 188F. Creamer, Bright Finish ... Each, $27 50
Cut two-thirds size.

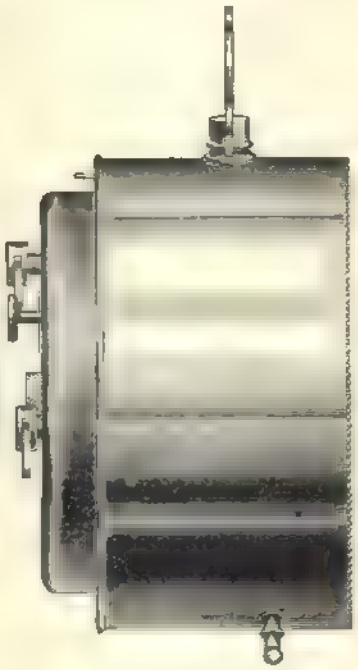
No. 314F-7. Chased Sugar Bowl. Cut two-thirds size.....Each, $36 00

No. 314F-7. Creamer. Cut two-thirds size. .Each, $33 50

CLOCKS.



Tattoo and Champion.



Side View.

Tattoo and Champion.

Tattoo, 4½ in. dial, 1 day time, alarm, nickel plated, beaded front, - - - - - - - each $2.35

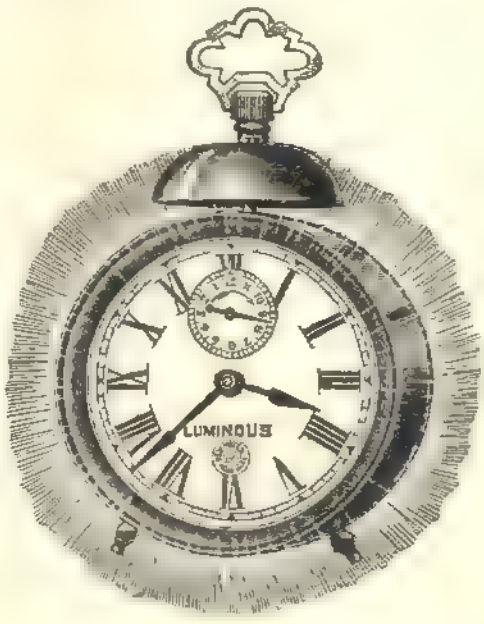
Has a four inch bronze bell metal gong that sounds like a fire alarm, and upon which it rings its alarm intermittently every half minute through a period of a quarter of an hour, unless the shut-off is turned

Champion, 4½ in. dial, with second hand, beaded front, 1 day time, alarm nickel plated, - - each $2.10

This remarkable clock, though only a trifle larger and heavier than ordinary alarm clocks condenses within its case noise enough to weigh a ton. There is a four inch bronze bell-metal gong on the back of this clock that rings for five minutes. Has a shut-off so that the alarm may be made silent at will; and is much simpler in construction, more reliable and cheaper than electric alarms.

Beacon, Nickel Plated Seamless Case, Knurled Sash, Height 6½ In., Width 4¼ In., Dial 4 In

1 Day Time, - - - - - each $1.20
1 Day Time Alarm, - - - " 1.32



Beacon, alarm, luminous dial, height 6½ in., width 4¼ in., dial 4 in., can be seen at night, 1 day alarm, - - - - each $1.60

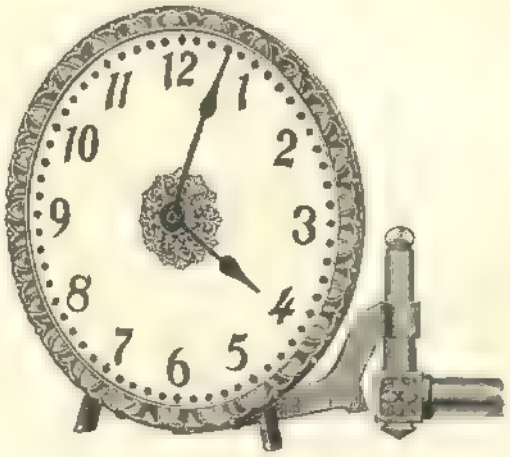
CLOCKS.

Messenger, Nickel with Gilt Mat and Glass Sides, Height 7¼ in., Dial 2¾ in.

1 Day Strike, · each $3 75
1 Day Time Alarm, " 3 75

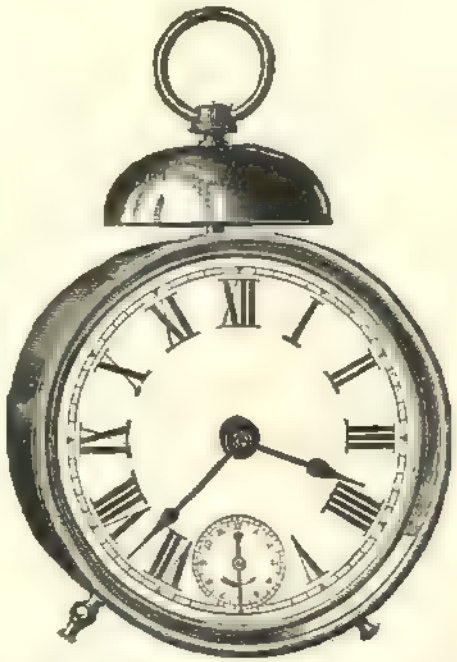
Truro, Carriage Clock, French Satin Gilt Case, Height 5 in., Width 2¾ in.

8 Day Time, · each $15.00
Leather Case for above of best Russia leather, extra each - - - - 3 00



No. 3 Gas Night Clock, Cast Gilt Sash, Translucent Porcelain Dial, Gilt Center, Height 6 in., Dial 5½ in.

1 Day Time, · · each $4.50



Fly Alarm, Nickel Case, 4 in. Dial, Seamless Case.

1 Day Time, - - - - - - each $1.16
1 Day Time Alarm, - - - - " 1.28

Tocsin, Long Alarm, Dial 4½ in., Nickel Plated Case

Each - - - - - - - - - - $1.80

Alarm will ring continuously for nearly five minutes; with a shut off.

Taylor's Patent Fine Rock Crusher.

For Assayers, Prospectors, Samplers, Working Specimen Ores, Crushing Old Crucibles, Etc.

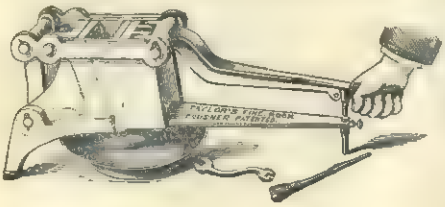
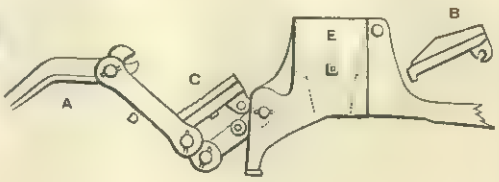


Fig. A-2899.



Sectional.

The design of this small machine is to enable a person quickly and easily to bring by hand power to fine powder the hardest ores, to be assayed or sampled.

The jaws are 3 inches wide and open at the top 1¼ inches consequently a piece of rock 3x1¼ inches can be crushed. With the lower part of jaws set at one-tenth inch apart 30 pounds of the hardest rock can easily be crushed in one hour, and 20 per cent of this will then go through a No. 60 sieve. Then screw up machine and soon run through the balance to No. 60 or finer.

This machine crushes so much faster than the hand mortar and pestle, because of the great leverage and power, and because the fine crushed rock always drops away; whereas with mortar and pestle the fine is always in the way, and deadens each blow of the pestle.

A hole in the lever near where grasped by the hand, enables the operator to apply power, if he desires.

Each machine has a cover (not shown) to prevent pieces of ore from flying out, and is furnished with a wrench and dust brush.

Extra jaws and other parts can be had. Weight complete, 100 pounds.

Each, Complete $25 00
Extra Jaws . . . . . Per set, 1 25

Miners' Gold Pans.

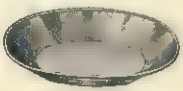


Fig. A-2900.

No. 41.	American Iron, Plain . . .	Per dozen,	$6 00
No. 42.	American Iron, Polished .	"	7 50
No. 43.	Russia Iron	"	9 00

Pressed from one piece, seamless, 16½ inches diameter.

Mortars and Pestles.

Ground Inside.

Fig. A-2901.

The Nevada Oval-Top Retort.

The advantage of this Retort over the old flat pattern is, that it can be filled full of Amalgam, thereby holding more than the old style, besides avoiding all danger of an explosion, owing to the crown space in the cover, which allows for the expansion. It is made extra heavy, well ground in the joint, and is furnished with a strong Norway clamp, having a wrought iron key, which can be driven in or out of place by a single stroke of a hammer.

Fig. A-2902.

Size, Qts.	½	1	2	4	6	8	12	16
Height In.	3½	5	6	7½	8½	9	11	2
Wt., Lbs.	6½	9	16	22	37	43	72	86
Each,	$1 00	1 25	2 00	3 00	4 75	5 50	9 00	10 75

Number of Pints	1	2	3	4	5	6	10
Holds lbs. Quicksilver	12½	25	38	50	63	75	125
Weight, lbs., each	10	15	18	25	31	44	65
Each,	$4 50	5 50	7 00	8 00	9 00	10 50	12 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hack Saws.

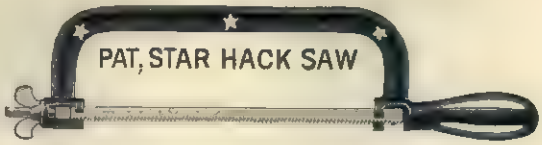


Fig. A–2035

No. **4B** is a Patent Cast Iron Frame, and so constructed as to face it in four different directions. The pins which hold the blade are fast in the frame, and can not drop out.

For 9 Inch Blades . . . . . Per dozen, **$6 00**

One in a box.

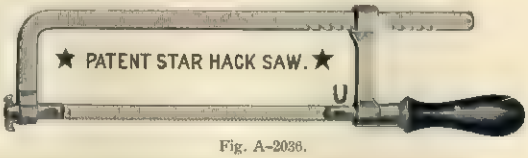


Fig. A–2036.

It is highly polished, heavily nickel plated, and will face the blades in our directions. The handle is ebonized.

No. **5.** For Blades 6 to 9 Inches . . . . . Per dozen, **$ 9 60**

No. **6.** For Blades 10 to 12 Inches . . . . . " **12 00**

One in a box.

The Star Power Hack Saw.

Fig. A–2037.

Star Power Hack Saw, for Cutting Iron, Steel, and Pipe, up to 4½ Inches . . . . . Price, each, **$25 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

"Disston & Sons'" Wood Saws.

CLIMAX FRAME, NO. 60.

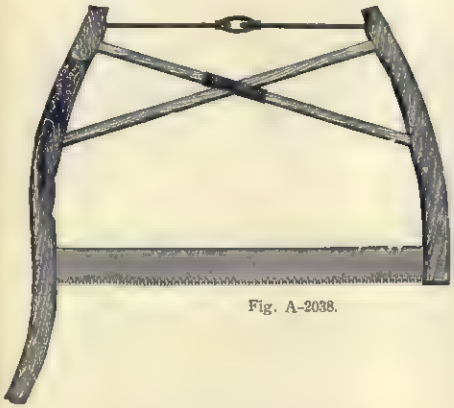


Fig. A-2038.

DISSTON & SONS', NO. 6.

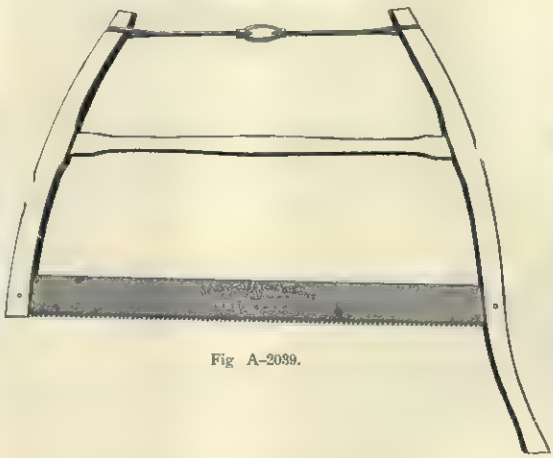


Fig A-2039.

No. 60. Framed Complete.

With No. 77 Blade	Per dozen, **$11 50**
With No. 6 Blade	" **11 00**

No. 6. Framed Complete.

With No. 6 Blade	Per dozen, **$10 25**
With No. 4 Blade	" **6 50**
With No. 3 Blade	" **8 25**

Packed one-half dozen in a box.

ELECTRIC, NO. 40. WOOD SAW.

Fig. A-2040.

Painted Red.

Complete, with Patent Duplex Loop Rod and Special No. 6 Blade . . . . . Per dozen, **$12 50**

Packed one-half dozen in a box.

Ladles, Furnaces and Pots.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Bullion Ladles.

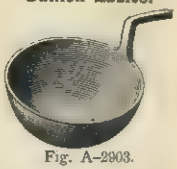


Fig. A–2903.

Forged from One Piece of Charcoal Iron.

8 Inches in Diameter by 4 Inches Deep . . Per dozen, **$36 00**

Self-skimming Ladles.

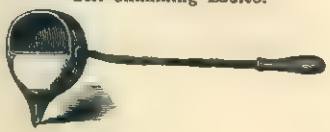


Fig. A–2904.

Per dozen **$6 00**

Iron Ladles.

Fig. A–2905.

Wrought Iron Ladles.

Diameter, Inches	2½	3	3½	4	4½	5	6
Per dozen	$1 75	2 00	2 25	2 50	3 00	3 50	4 50

Heavy Socket Ladles.

Diameter, Inches	6	7	8	9	10
Per dozen	$15 00	18 00	20 00	24 00	30 00

Tinners' Furnace.

Fig A–2906.

Each **$4 00**

Solder Pot.

Fig. A–2907.

5 Inch Diameter . . . . Each, **$0 75**
8 Inch Diameter . . . . " **1 00**
10½ Inch Diameter . . " **1 50**

Combined Furnace and Pot.

Fig. A–2908.

The pot is provided with legs, which run on bearings, preventing tipping. As the charcoal burns, the pot lowers and rests two inches above the grate. Size of pot, 6 inches diameter.

Complete . . . . . Each, **$6 00**

Melting Furnace.

Outfit "B."

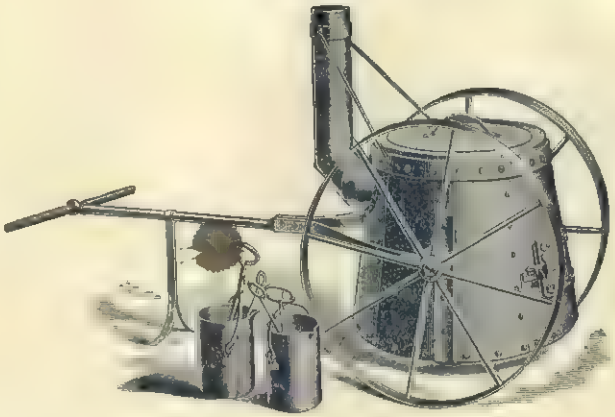


Fig. A-2909.

This furnace is provided with smoke stack and strong wheels having broad tires.
Complete with Melting Pot, Two Pouring Pots, Two Short and Two Long Hooks . . . . . $. . . .
Total weight, 500 lbs.; melt 400 lbs. lead at a time.

Outfit "C."

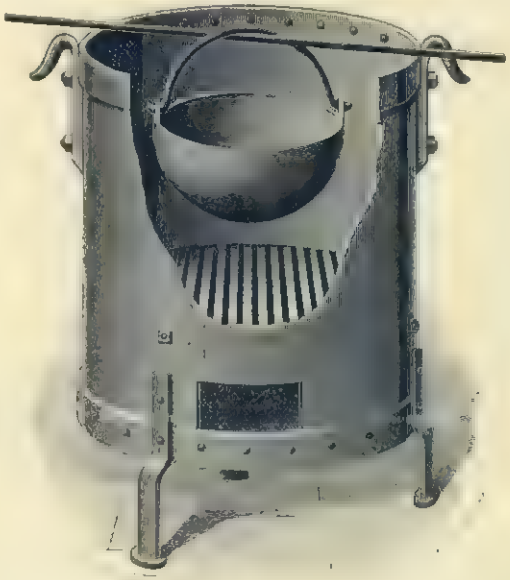


Fig. A-2910

Complete, with Bar and Melting Pot . . . . . $. . . .

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Hand Cuffs.

Tower's Detective

No. 60 and 61

No. 60 Tower's Detective Hand Cuffs, Adjustable Screw Locking, Polished . . . Per Pair $
" 61— " " " " " Nickel Plated . . .

One Pair in a Box

Bean's Giant.

No. 8

No. 8—Bean's Giant Hand Cuffs, Nickel Plated, ... Per Pair $

One Pair in a Box

Leg Irons.

Tower's Detective

No. 70

No. 70—Tower's Detective Leg Irons, Adjustable Screw Locking, Polished . . . . Per Pair, $

One Pair in a Box

Towel Holders.

No. 18—Towel Holders, Nickel Plated, ... Per Dozen $.
Two Dozen in a Box.

Champagne Taps.

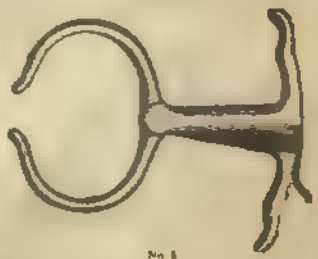
No. 100—Champagne Taps, Nickel Plated, ... Per Dozen, $
Half Dozen in a Box.

Police Nippers.

Tower's

No. 1

Phillips'



No. 2

No. 1—Tower's Chain Police Nippers, Nickel Plated. Weight 3 oz., ... Per Dozen, $
" **2**—Phillips " " " 3 oz.,
No. 1 One Dozen, No. 2 Half Dozen in a Box

CORN PLANTERS.

Triumph.

Improved Eclipse.

Batcheller.

Monitor.

Triumph,	per dozen	$ 9.75
Triumph, with pumpkin seed attachment,	"	15.00
Improved Eclipse, with 3 wheels of different thickness and one for broom corn,	"	12.00
Batcheller,	"	20 00
Monitor,	"	12.00

BATCHELLER, ONE THIRD; BALANCE, HALF OR ONE DOZEN IN A CRATE

POTATO PLANTERS.

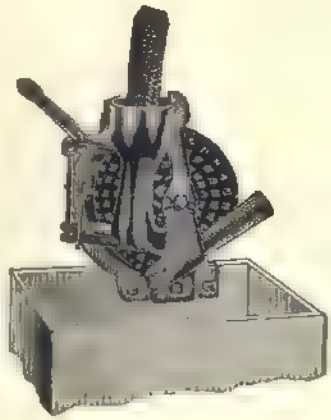
Acme.

Challenge.

Acme, wrought steel, wood handle, - - per doz. $13.50
Challenge, steel, adjustable handle, - " 15.75

ONE DOZEN IN A CRATE.

CORN SHELLERS.

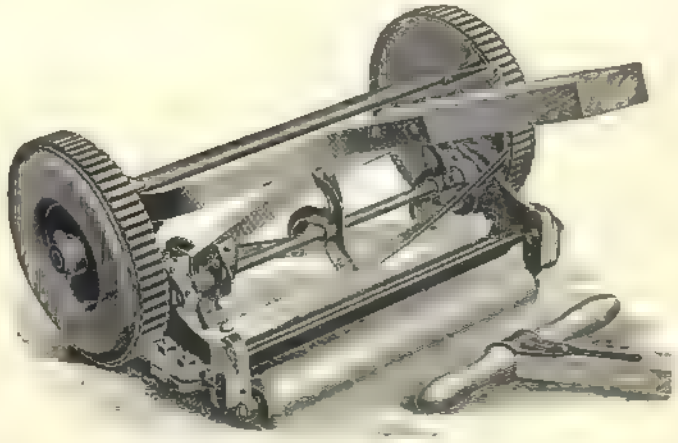


Union, japanned, weight 13 lbs., - per doz. $24.00

TWO DOZEN IN A CRATE.

CHAMPION LAWN MOWERS.

STANDARD SIZE.



Double Drive, Rear Cut, Positive Ratchet, High Speed Reel, 8 Inch Wheels.

Cut, inches,	12	14	16	18	20
Each	$10 00	11.00	12.00	13.00	14.00

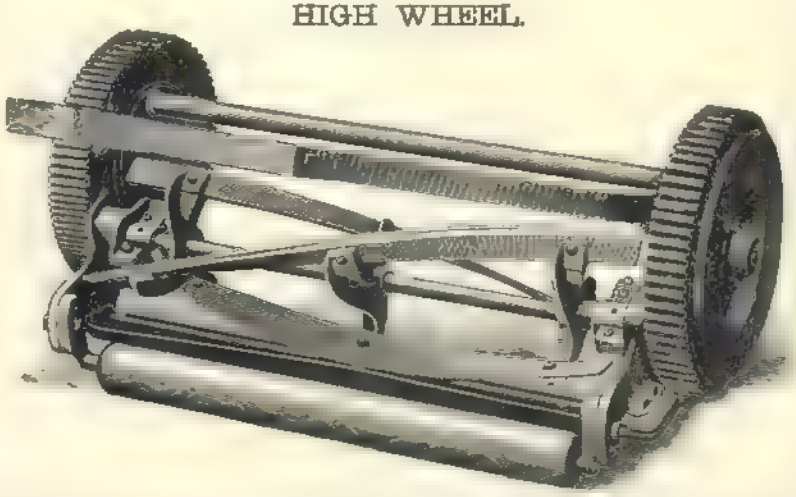
In the construction of this lawn mower the best of material is used throughout crucible steel reel blades cast steel cutting bar blade all tempered in oil, turned steel reel shaft, malleable reel arms, steel handle braces The turned handle is attached to the tongue with a malleable clip, steel pawls and ratchet. The best of paint and varnish used is in painting and ornamenting

To obtain the greatest driving power with the least amount of draft eight (8) inch traction wheels are used giving to the reel five and one-half (5½) revolutions to one (1) of the traction, making a higher speed reel than any lawn mower now manufactured

Double traction drive rear cut with shrubbery guard and adjustable roller All bearings adjustable by lock screw tension constructed to prevent grass, etc from clogging thoroughly interchangeable Each mower passes through a rigid inspection by two experienced mechanics before it is boxed for shipment.

ONE IN A CASE.

HIGH WHEEL.



Double Drive, Rear Cut, Positive Ratchet, High Speed Reel, 10¼ Inch Wheels.

Cut, inches,	16	18	20
Each	$18.00	20.00	22 00

In the construction of this mower, the same mechanical lines that the Champion is built on are followed, increasing in size one fourth throughout the machine The traction wheel is 10¼ inches in diameter the reel 6½ inches in diameter First class material only is used in the construction.

ONE IN A CASE.

Scales

Turnbull's Market

No. 138— Turnbull's Market Scales, with Marble Slab, to Weigh 32 lbs. x oz.
" 143— " " " " " " 64 lbs. x ½ oz.

Windsor

No. 1— Windsor Family Scales, to Weigh 16 lbs. x 1 oz.

Little Detective

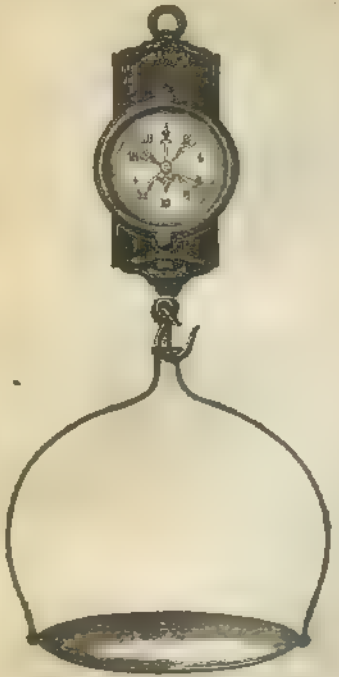
" 2— Little Detective " " with Tin Scoop, Weighs from ½ oz. to 20 lbs.
" 3— " " " Brass " " " ½ oz. to 25 lbs.

Hatch's Counter

Hatch's Tea

No. 161—Hatch's Tea Scales, Japanned, Weighs from ½ oz. to 4 lbs.
" 171— " Counter " " ½ oz. " 4 lbs.

Circular Spring Balances.



Nos. 0150 and 0151.

Nos. 4265E and 4276E.

No. 0150 —Black Enameled Frame and Glass Sash. Tinned Iron Bows and Swivel, with Round Tin Pan. Weigh 50 lbs. ... Each

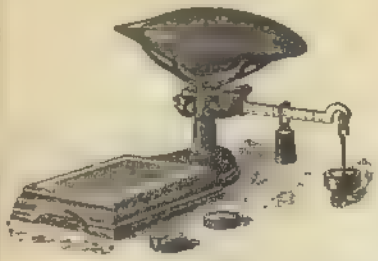
" 0151 —Black Enameled Frame and Glass Sash. Tinned Iron Bows and Swivel with Round Tin Pan. Weigh 50 lbs. ... "

" 4265E—Nickel Plated Glass Sash. Nickel Plated Bows and Swivel, with Round Enameled Pan, to Weigh 50 lbs. ... "

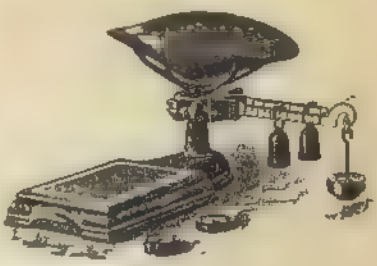
" 4276E—Nickel Plated Glass Sash. Nickel Plated Bows and Swivel. Porcelain Enameled Pan to Weigh 50 lbs. x 1 oz. ... "

Sent by a Scale.

Union Platform Scales.



No. 190.



No. 195.

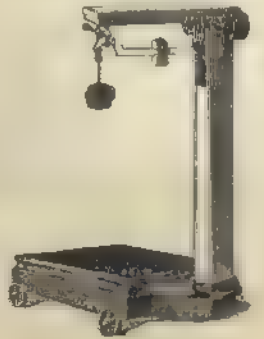
Steel Bearings, Japanned, Bronze Stripes

No. 190—Iron Counter Scales, Single Beam, with Tin Scoop. Weights from ½ oz. to 240 lbs. Each $

" 190½—" " " Double " " " " " 8 oz. to 240 lbs. "

Cut 195 Actual Size.

Ulster Platform Scales.



No. 1838.

No. 1838—Ulster Platform Scales, Capacity 600 lbs. Iron Platform, 8 x 21 in., with Wheels and Brass Sliding Frame. Each $

Buffalo Scales.

Postal.

Nos. 11 to 14.

Postal.

No. 11

No. 11—	Postal Scales, Brass Pan, Weighs from	½ oz. to 9 oz.	Each, $
" 12—	" " " "	½ oz. to 12 oz.	"
" 13—	" " " "	½ oz. to 34 oz.	"
" 14—	" " " "	½ oz. to 4 lbs.	"

Tobacco.

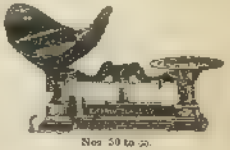
No. 8.

No. 15—	Tobacco Scales Seamless Brass Scoop, Weighs from	½ oz. to 1 lb.	Each, $

Even Balance.

Nos. 20 to 25

Improved Even Balance



Nos. 30 to 35.

No. 20—	Even Balance, Seamless Tin Scoop, Weighs from							½ oz. to 4 lbs.	Each, $
" 21—	" " "	"	"	"	Brass	"	"	½ oz. to 4 lbs.	"
" 22	" " "	"	"	"	Tin	"	"	½ oz. to 8 lbs.	"
" 23	" " "	"	"	"	Brass	"	"	½ oz. to 8 lbs.	"
" 24	" " "	"	"	"	Tin	"	"	½ oz. to 10 lbs.	"
" 25—	" " "	"	"	"	Brass	"	"	½ oz. to 10 lbs.	"
" 30	Improved Even Balance Brass Side Beam, Seamless Tin Scoop, Weighs							½ oz. to 4 lbs.	"
" 31	" " " "	"	"	"	"	"	"	Brass " "	"
" 32—	" " " "	"	"	"	"	"	"	½ oz. to 4 lbs.	"
" 33—	" " " "	"	"	"	"	"	"	Tin " "	"
" 34—	" " " "	"	"	"	"	"	"	Brass " "	"
" 35—	" " " "	"	"	"	"	"	"	½ oz. to 6 lbs.	"
								Tin " "	"
								Brass " "	"
								½ oz. to 15 lbs.	"

Blacksmiths' Tongs.

Plain.

Fig. A-2307.

Size, Inches,	.8	20	22	24
Each	$0 60	0 65	0 70	0 75

Pickup Tongs.

Fig. A-2308

Each $1 25

Gad Tongs.

Fig. A-2309

Inch,	1	1¼	1½
Each	$2 00	2 25	2 50

Bolt Tongs.

Fig. A-2310.

	Small.	Medium.	Large.
Each	$1 25	1 75	2 25

Pick Tongs.

Fig. A-2311.

Each $2 00

Track Tongs.

Fig. A-2312

Solid Cast Steel, Average Weight 20 Pounds . . . . . Per pound, $0 30

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Flatters and Set Hammers.

Fig. A-2303

Flatters.

Size, Inches,	2	2½	3	3½	4
Each	$1 00	1 50	2 00	2 50	3 00

Set Hammers.

1¼ Inches, Square Face	Each, $1 00
1½ Inches, Square Face	" 1 50

Fig. A-2304.

Heading Tools.

Fig. A-2305.

Size, Inch,	¼	⅜	½	⅝	¾	⅞	1
Each	$1 20	1 40	1 50	1 75	1 85	2 00	2 25

Round Eye Punches.

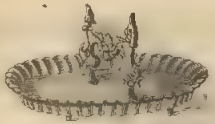
Fig. A-2306.

Size, Inch,	¼	⅜	½	⅝	¾
Each	$0 75	0 75	0 80	0 90	1 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

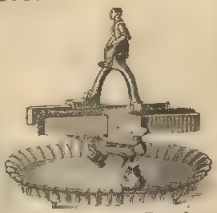
FOOT SCRAPERS.

No. 1.



Scraper with Dish.

No. 1, for wood, Japanned, per dozen, $1 87
" 2, " stone. " " " 1 87
" 1, with Dish, " " " 11 20
" 2, " Bronzed, " " " 13 00



With Dish and Brushes.
Per dozen, - - $30 00

TEA KETTLES.

	6	7	8	9	inches.
Slide Lid,	$7 50	8 50	9 50	10 50	per dozen.
	4		5	6	quarts.
Flat Bottom, Slide Lid,	$6 50	7 00		7 50	per dozen.

TWINE BOXES.

No. 1, - - per dozen, $7 50 | No. 2. - - per dozen, $9 00

READING GLASSES, ETC.

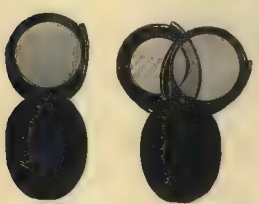
No. 1520.

No. 1500. Reading Glasses, Wood Handle Ebonized, Nickeled German Silver Rims, first quality Paris Lenses.

		Per Doz.
24	Lignes, Diameter 2½ inch	$10 50
27	" " 2⅝ "	13 50
30	" " 2¾ "	16 75
33	" " 3 "	18 00
36	" " 3¼ "	22 00
39	" " 3½ "	25 00
42	" " 3¾ "	28 00
45	" " 4 "	32 00
48	" " 4¼ "	35 00
51	" " 4½ "	42 50
54	" " 4¾ "	48 00
57	" " 5 "	60 00
60	" " 5¼ "	72 00

No. 1520. Oriental Pearl Handle, Gilt Rims, first quality Paris Lenses.

				Per Doz.
30	Lignes, Diameter	2¾ inch		$48 00
36	" "	3¼ "		60 00
42	" "	3¾ "		72 00
48	" "	4¼ "		84 00

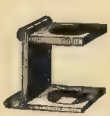


No. 50. No. 51. No. 103.

No. 1575.

No.		Per Doz.
50.	Single Lens, Diameter ¾ inch.	$ 4 50
56.	" " 1 "	5 75
62.	" " 1¼ "	9 25
68.	" " 1½ "	10 00
74.	" " 1¾ "	14 00
78.	" " 2 "	17 00
103.	Three Lenses, measuring respectively, ½, ¾ and ¼ inch	10 00
112.	" " " ¾, ¼ " ⅞	13 00
131.	" " " ¾, ⅞ " 1	16 00
1575.	Tripod, Brass,	8 7 00
1576.	" " Nickel-plated	11 00
1580.	Linen Prover, Brass, ⅝×⅝ inch Opening,	4 00
1581.	" " ⅞×⅞ " "	4 50
1582.	" " " 1¼×1¼ " "	4 50

No.		Per Doz.
51.	Two Lenses, Diameter ¾ inch.	$ 8 00
87.	" 1 "	10 50
63.	" 1¼ "	14 00
69.	" 1½ "	18 00
75.	" 1¾ "	24 00
79.	" 2 "	30 00



No. 1580.

No. 1805. Telescope, Morocco Covered Body, Polished Brass Slides, Ends and Sun Shades, with Cap and Sliding Eye-Piece Cover.

Object Glass.	Draw.	Length, Closed.	Length, Drawn Out.	Magnifying Power.	Diameter of Body.	Each
12 lignes	3	6 inches	18½ inches	14 times	1¼ inches	$ 4 00
14 "	4	7 "	19½ "	16 "	1½ "	5 00
16 "	4	8¼ "	26½ "	20 "	1¾ "	7 50
19 "	4	10 "	32½ "	25 "	2 "	9 50
22 "	4	10½ "	39 "	30 "	2⅜ "	16 00

No. 1737.

FINE POCKET COMPASSES.

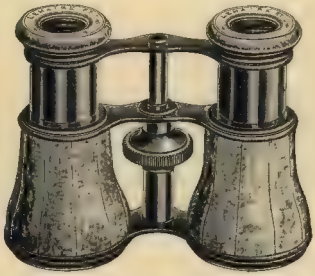
No.		Per Doz.
1700.	Open Face, Brass Case, medium quality, 2 inch	$10 50
1702.	" " " " good " 2 "	14 50
1787.	Fine Nickel-plated Compass, 2½ inch.	51 00
1752.	" " " Watch Style, 1¾ "	32 00
1777.	Extra quality " " 2 "	66 00
1778.	" " Gilt, " " 2 "	66 00

OPERA GLASSES AND OPERA GLASS HOLDERS.

PRICES EACH.

No. 1408

	13 Line.	15 Line.	17 Line.	19 Line.
Opera Glass, Le Maire, Leather, Black Tubes,	$8 00	$8 50	$9 50	$11 00



No. 1407.

	13 Line.	15 Line.	17 Line.
Opera Glass, Le Maire, White Pearl, Gilt Tubes,	$15 50	$17 20	$20 00
No. 1410.			
Opera Glass, Le Maire, Oriental, Gilt Tubes,	15 50	17 20	20 00

No. 1.
White Pearl Handle.
Gilt Extension
$11 00

No. 2.
White Pearl Handle,
Gilt Top, Folding.
$7 00

Nickel Alarm Clocks.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Patrol.

Fig. A-3979.

One Day Time, Alarm $2 80

Glass sides, gilt front and handle, dial 2½ inches, height 6 inches.

Keystone.

Fig. A-3981

One Day Time, Alarm $4 00
One Day, Half Hour Strike 4 00
One Day, Half Hour Strike, Alarm (movement has 3 springs) 4 50

Glass at sides and top, gilt front, handle and railing, dial 3½ inches, height 7¼ inches.

Guide.

Fig. A-3980

One Day, Alarm $3 50
One Day, Strike 3 50

Movement has two springs and open nickel back plate.

One Day, Half Hour Strike, Alarm (movement has 3 springs) $4 00

Glass sides, gilt front and handle, dial 2½ inches height 7 inches

Mustgetup Alarm.

Fig. A-3982.

One Day Time, Alarm $2 25

Dial 4¼ inches, height 5⅞ inches.

The alarm runs 5 minutes with one winding, but can be stopped at pleasure.

Polished Wood, Imitation Marble Clocks.

Java.

Gilt Engraved, Gilt Ornaments.

Fig. A-3983.

Eight Day, Half Hour Strike, Gong, Dial 5½ Inches, Height 11¼ Inches, Length 18¾ Inches.

American White Dial, Roman or Arabic Figures..... $12 00
American Gilt Dial, Arabic Figures..... 12 00

Martello.

Gilt Engraved.

Fig. A-3984

Eight Day, Half Hour Strike, Gong, Dial 5½ Inches, Height 11⅞ Inches, Length 19⅛ Inches.

American White Dial, Roman or Arabic Figures $11 80
American Gilt Dial, Arabic Figures 11 80

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Pocket Clocks.

Prince.—Back View.

Fig. A–3973.

Prince.

Nickel $1 80

Prince.—Front View.

Fig. A-3973
Dial, 1¾ Inches.

Movement.

Fig. A–3973.

Inside View.

Fig. A–3973

Our 18 Size Stem Wind and Set.

FRONT VIEW.

Fig. A-3974.

Count.

Nickel or Gilt $2 20

1 Day, Time, Dial 1¾ Inches, Beveled Glass. Illustrations three quarters size.

In ordering please state whether goods are wanted with Roman or Arabic figures on dials

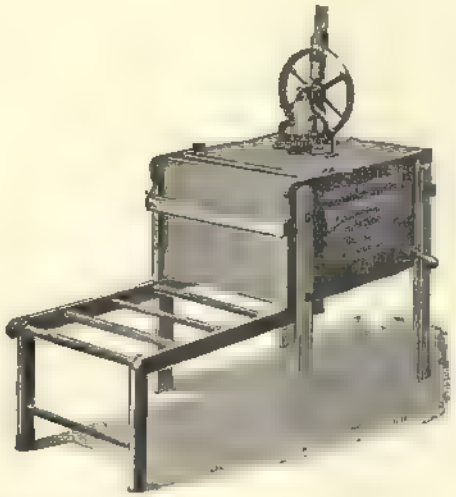
INSIDE VIEW.

Fig. A–3974.

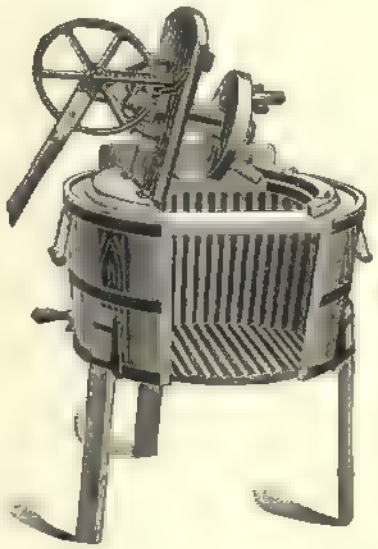
DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

WASHING MACHINES.

WESTERN.



WAYNE.



No. 2–Western, square family size,	per dozen	$48.00
No. 3–Western, square large size,	"	54.00
No. 5–Wayne, round, family size,	"	48.00
No. 55–Wayne, round, large size,	"	58.00
Large Cog Wheels, for Western washers,	each	.75

CLOTHES PINS.

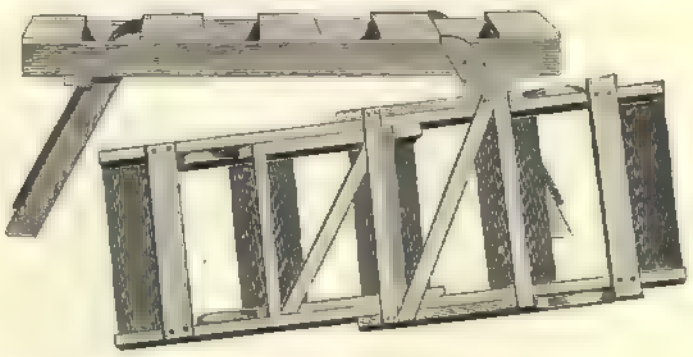
Common.

Hoyt's.

U. S.

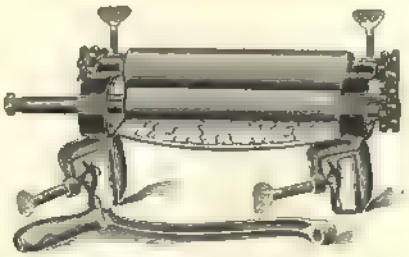
Common,	2½ gross in a box,	per box	$0.60
Hoyt's,	5 gross in a box,	"	2.50
U. S.,	1 gross in a box,	"	1.50

FOLDING WASH BENCHES.



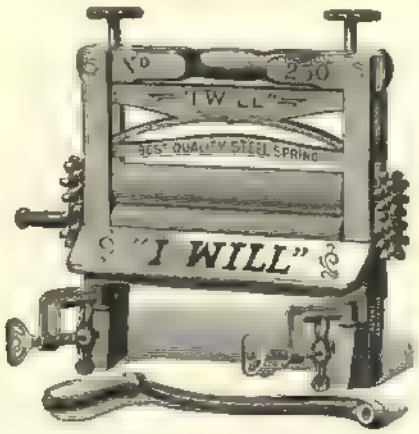
No. 30–Norway pine, length 4 ft., width 18 in., height 16 in., per dozen $21.00

WRINGERS.



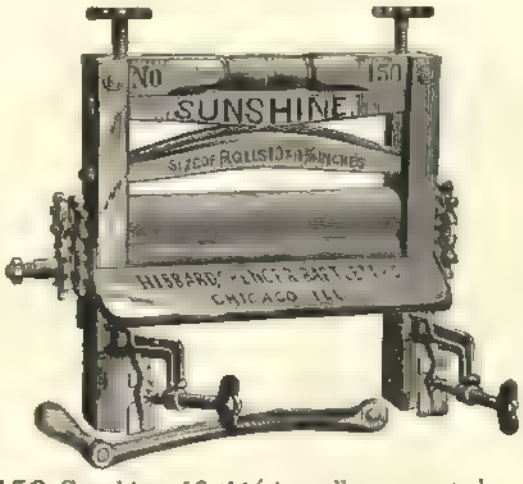
No. 120–Wearwell, 10×1¾ in. rolls, warranted for one year, iron frame, with relief screws and cog wheels, giving long life to rolls, adjustable clamps for either wood or galvanized tubs, - - - - per doz $38 00

HALF DOZEN IN A CASE



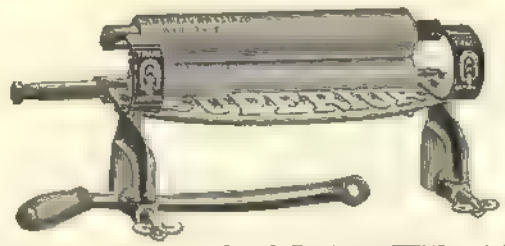
No. 250–"I Will," 10×1¾ in. rolls, warranted for one year, wood frame, metal bearings, walnut top bar and apron, red steel spring, large wheel pressure screws, folding apron, adjustable clamps for either wood or galvanized tubs, - - - - per doz. $40.00

HALF DOZEN IN A CASE.



No. 150–Sunshine, 10×1¾ in rolls, warranted for one year, wood frame, steel springs, large folding apron, adjustable clamps for wood or galvanized tubs, - - - - per doz. $36.00

HALF DOZEN IN A CASE.

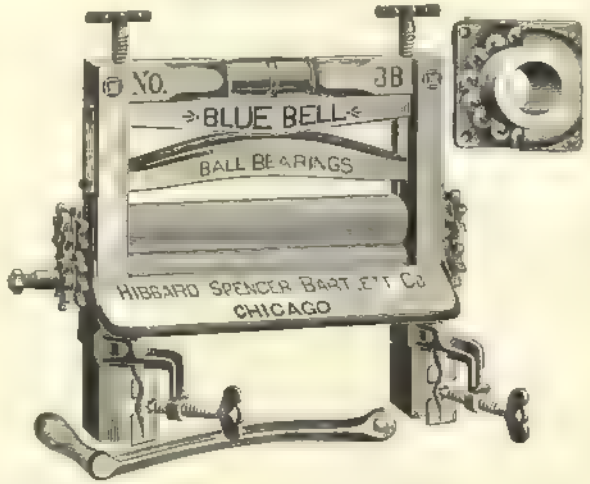


Superior, Iron Frame, Steel Springs, Without Cog Wheels.

No. 2–10×1¾ in. rolls, - - per doz. $37.50
No. 3–11×1¾ in. rolls, - - " 50.00
No. 4–12×1¾ in. rolls, - - " 58 00

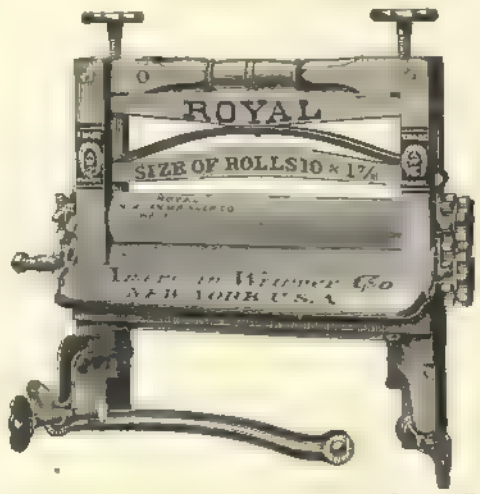
HALF DOZEN IN A CASE.

BLUEBELL.



No. 3B–Ball bearing, 10×1¾ in. rolls, warranted for one year, wood frame, folding apron, clamps adjustable for either wood or galvanized tubs, - - - - per doz. $54.00

HALF DOZEN IN A CASE.



No. 14–Royal, 10×1⅞ in finest quality rolls, warranted for five years, wood frame, steel spring, folding apron, improved guide board, per doz. - - - - - - - $78.00

ONE QUARTER DOZEN IN A CASE.

Screw and Bolt Cases.

Westphal's Patent.

Screw Case

Bol[illegible]

Westphal's Improved Revolving Screw Cases.

Made Entirely of Iron, with Glass Fronts.

No. 1—Holds 36 Cases, all numbers from ⅛ in. No 2 [illegible] No. 3 [illegible]

" 2— " 36 " " " " ¼ in. No 2 [illegible] No. " [illegible] in.

" 3— " 144 " " ½ in. No [illegible] No 20. [illegible]

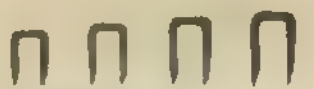
Westphal's Improved Revolving Bolt Cases.

Made Entirely of Iron

No. 10— 97 Compartments. Height 50 in.

" 20— 18 " " 80 in.

Double Pointed Tacks.



Nos. 9 & 110. 11 & 111. 12 & 112. 14.

Blued					
Nos.	9	10	11	12	14
Per Dozen Papers.	8				

Tinned			
Nos.	110	111	112
Per Dozen Papers.			

One Dozen Papers in a Package.

Barbed Blind Staples.

No. 25—Coppered Wire.

Inches.				
Per Pound.				

Ten Pounds in a box.

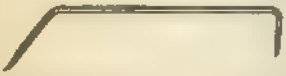
Spring Staples.

No 65—Coppered Flat Steel Wire.

Inches.						
Per Pound.						

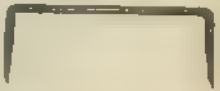
Twenty-Five Pounds in a Box.

Basket Clamps.



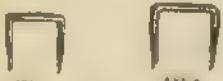
No. 60—2¾ in., Flat Steel Wire. Per Pound, 8

Tobacco or Butter Tub Staples



No. 63—2 in., Coppered Flat Steel Wire, Per Pound, 8

Barrel or Hoop Staples.



Inches.			
Per Pound.			

Twenty Five Pounds in a box.

Glaziers' Points.

No. 0. No. 1. No. 2. No. 3.

Zinc, in Half Pound Papers.

Nos.	00	0	1	2	3
Per Dozen Papers.	8				

Lawn Sprinklers.

"Wonder" Lawn Sprinkler.

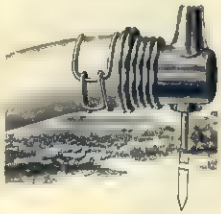


Fig. A-3346.

This Sprinkler has no revolving parts to leak or wear out. Is light and durable. Screw on the end of the hose so that the sprinkler will stand upright when the pin is stuck in the ground

"Wonder" Lawn Sprinkler, for ¼ In Hose, Per doz. . . **$2 25**

"Perfection" Lawn Sprinkler.

Fig. A-3347.

A revolving Lawn and Garden Sprinkler and Fountain combined. Screw on the end of the hose so that the Sprinkler will stand upright when the pin is stuck in the ground. Perfection in its operation. Nickel plated.

"Perfection" Lawn Sprinklers, for ¾ Inch Hose, Per dozen **$7 50**

O'Shea Lawn Sprinklers.

This is one of the strongest sprinklers made for irrigating lawns and gardens When used in connection with the **"Tripod"** Hose Stand it will throw water over a space thirty to fifty feet in diameter.

Fig. A 3348.
2-Arm O'Shea Sprinkler.

No. 1, 2-Arm **"O'Shea"** Sprinklers, for ¼ Inch Hose	Per dozen,	**$10 50**
No. 2, 2-Arm **"O'Shea"** Sprinklers, for ¾ Inch Hose	"	**12 75**
No. 3, 2-Arm **"O'Shea"** Sprinklers, for 1 Inch Hose	"	**12 75**
No. 4, 4-Arm **"O'Shea"** Sprinklers, for ¼ Inch Hose	"	**14 40**
No. 5, 4-Arm **"O'Shea"** Sprinklers, for 1 Inch Hose	"	**14 40**

Fig. A-3349
4-Arm O'Shea

"Golden Gate" Lawn Sprinkler

Fig. A-3350.

(Same Style as "California.")

This is a newly constructed principle of Lawn Sprinkler. The bearings are babbitted with the best babbitt metal, and will not leak, wear, or get out of order. It runs with the lightest pressure, will water a space of from twenty to sixty feet square evenly, according to the pressure applied.

"Golden Gate" Sprinklers, for ¼ Inch Hose, on Tripod, Per doz. . . **$15 00**

Fig. A-3351.
Tripod Hose Stand.

"Tripod" Hose Stand.

(Height, 36 inches.)

A very simple contrivance for holding the hose. To operate, pass the hose up through the holder, and then screw the sprinkler on the end of the hose. Easily moved from place to place. Cheap, durable, and never out of order.

	Per Dozen.
"Tripod" Stands, for ¼ Inch Hose,	**$10 50**
"Tripod" Stands, for 1 Inch Hose,	**10 50**

Garden Hose Reels.

Preserves the hose Allows the water to pass freely through while coiled, making it unnecessary to take off the hose every time it is used.

Fig. A-3352.

It is only necessary to let off sufficiently to reach the point desired to sprinkle. When coiled up, a few turns of the reel will effectually expel the water from the hose.

No. 1, Capacity 50 Feet, ¼ Inch Hose	Each,	**$1 00**
No. 2, Capacity 100 Feet, ¼ Inch Hose	"	**1 35**
No. 3, Capacity 150 Feet, ¼ Inch Hose	"	**1 40**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Lawn Sprinklers.

"Wilgus" Lawn Sprinkler.

Fig. A–3342

This Sprinkler has no revolving parts to leak or wear out. Will pass freely all sand or gritty substances in the water without clogging. It can be moved about the lawn while in operation without turning off the water, and, with a low pressure, will distribute a perfectly even and beautiful spray thirty feet in diameter

"**Wilgus**" Lawn Sprinklers, for ¾ Inch Hose . Per dozen, **$4 50**

"California" Square Lawn Sprinkler.

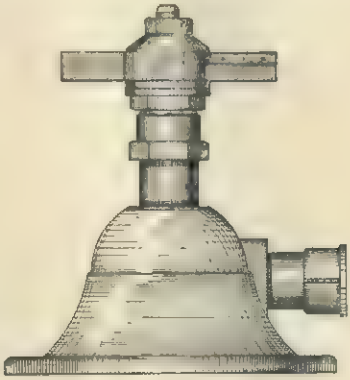
Fig. A–3343.

Throws a square sheet of water. It waters the corners, and not the walks. Reaches the edges and corners.

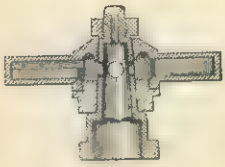
"**Square**" Lawn Sprinklers . . . . . Per dozen. **$5 00**

The Mikado Lawn Sprinkler.

Showing Bottom Removed.



Group Fig. A–3344.



Cross Section.

Strong and Well Made. Everlasting.

Per dozen **$27 00**

"Little Giant" Traveling Lawn Sprinkler.

This Traveling Lawn Sprinkler is the first one ever invented with the capacity of moving itself over the lawn, and is fully protected by Letters Patent. Under an ordinary pressure of water it will roll itself slowly and steadily in any direction, either in a straight line or in a circle of any diameter desired. It can be set to travel anywhere from 15 to 500 feet per hour as preferred. Can be changed from the slowest to the highest speed in a moment. It can be gauged to throw the water over a swath anywhere from 5 to 50 feet in width

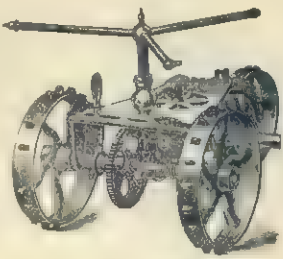


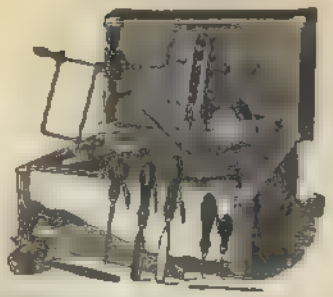
Fig. A-3345

It can be used as a stationary sprinkler by throwing it out of gear. It has a figured dial, by which it may be adjusted to travel any number of feet, and will stop automatically after covering the desired distance. With a pressure of water as low as 20 pounds it will drag 75 feet of hose, while with a pressure of 60 or 70 pounds it will carry 200 pounds extra weight and drag as many feet of hose

Price . . . . . Each. **$15 00**

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Tool Chests.



No. 0½ Size of Chest 20½ in. long, 12 in. wide, 7 in. deep, Chestnut Wood, Walnut Moulding, contains
1 Assorted Tools as Below, Each $

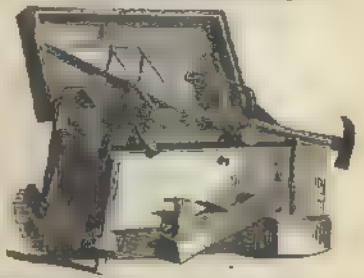
1 Hand Saw
1 Compass Saw
1 Plane, Iron and Handle
1 Gauge, with Handle
1 Hammer
2 Screw Drivers, Wood Handles,
1 Mallet
1 Pair Dividers,
1 Oil Stone
1 Nail Set

1 Chalk Line Reel
1 Flat Bevel, 1 Handle
1 Compass Steel Box
1 Set Gauge Points on Case
2 Case Steel Awl Gimlets
1 Screw Driver
Carpenter's Pencils.
1 Plumb Rule

1 Drawing Square
1 Carpenter's Brace Bit Stock
2 Case Steel Brace Bits,
Case Steel Nail Punch,
Set of Edge
1 Smoothing Plane
1 Case Steel Screw Driver
1 Nail Hammer
Mortise Gauge
Saw File, 1 Handle

And Twenty-Five Implements Designs

1 Two-Foot Boxwood Rule,
1 Try or Square,
1 Level,
1 Iron Square,
2 Case Steel Spike Gimlets
1 Set Hammers,
1 Steel Level,
1 Brace Set Steel Bit, on Wood Frame, 1 Saw, 1 Awl.



No. 2—Size of Chest 2 ft. long, 1 ft. wide, 8½ in. deep, Chestnut Wood, Walnut Moulding, contains 61 Pieces of Carpenter's Tools

Each $

1 Case Steel Pattern Saw
1 Compass Saw
1 Case Steel Firmer Chisels
1 Case Steel Paring Chisels
1 Case Steel Dovetail Chisels
1 Case Steel Mortise Chisels
1 Case Steel Socket Chisels
1 Case Steel Gouges
with Wood Handles
1 Oil Stone
1 Case Steel Regulator

1 Beech Brace, Mahogany Cap
1 Mahogany Handle
1 Two-Foot Boxwood Rule
1 Steel Nail Set
1 Adjustable Steel Square, 20 Assorted Cast Steel Tools and Wrench.

2 Case Steel Nail Gimlets
1 Screw Driver
1 Set Gauge Points
1 Case Steel Pocket Saw Frame
12 Case Steel Pocket Saws, Assorted
Case of Shaping Hatchet,
1 Oil Stone,
1 Oil Cup

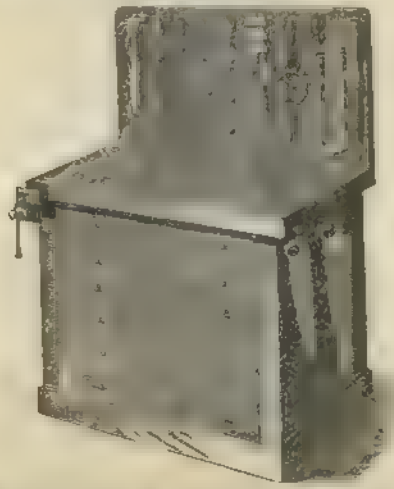
1 Jack Plane, Cast Steel Iron
2 Case Steel Bead Awls
1 Case Steel Screw Drivers
1 Pair Case Steel Compasses,
1 Carpenter's Hammer,
1 Carpenter's Brace Bit Stock,
2 Brace Bits, Assorted,

Tool Chests.

Machinists' or Jewellers'

No. 28—Machinists or jewelers Tool Chest, with a Drawer at the right of under Cover, [illegible] Each 1
Sliding Tray 16½ × 8½ × 1½ [illegible] Drawer 12 × 5½ × 1½ in. Second Drawer 7 × 8½ × 2½ in.
Chestnut Wood, Walnut Panels and M[illegible]
" **29** Machinists' or Jewelers' Tool Chest, [illegible] Drawer at the right of under Cover, [illegible]
Sliding Tray 20 × 9½ × 1½ in. [illegible] Drawer 20 × 1½ × 1½ in. [illegible]
Drawer 20 × 10½ × 2½ in. Chestnut Wood, [illegible] Panels and Moulding.

Tool Cabinets.



Each 1

No. 1—Tool Cabinets. [illegible]
This is a Work Bench and Tool Chest combined, and a small [illegible] those who have no room in the house for an ordinary Work Bench. The Cabinet [illegible] projects in on the front side being 19 × 38 in. [illegible] Bench Stop. Board 14 in. high [illegible] Back [illegible] be put on if [illegible] Base and Bench Stop.
The [illegible] screw [illegible] and is of a new [illegible] this is a vast

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Screw-Cutting Lathe.

9 Inch Swing.

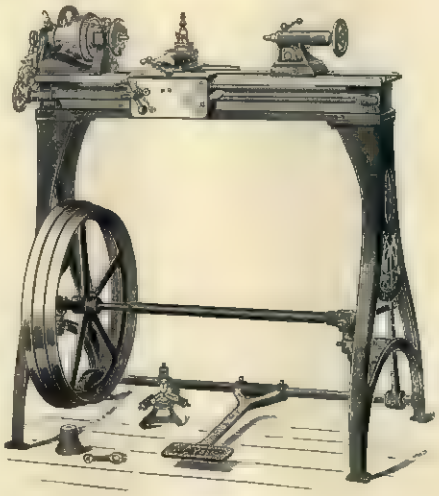


Fig. A-2893.

Each lathe is provided with hollow spindle compound rest, center rest, reversing motion for cutting right or left hand threads, hand rest attachment with long and short t's, belt, a full set of change gears, face-plate, centers, wrenches, etc.

The head spindle has a 3/8-inch hole its entire length, and the centers correspond to the Morse taper socket No. 1.

The cone has (3) changes for a 1 1/4 inch belt and with the back gears gives six (16) changes of speed. By means of a lever in the head stock, the feed can be instantly changed from right to left hand, or thrown out of gear when the lathe is to be used for wood turning or polishing.

The compound rest can be adjusted to any angle, and can also be moved to and from the centers, across the bed of the lathe. The tool is raised and lowered by means of a screw arranged to secure the most perfect adjustment possible. The hand rest attachment can be substituted for the compound rest by removing a single nut.

The feed, both for turning and screw cutting, is operated by an open-and-shut nut and lever in the apron. Gears for cutting either right or left hand screws, from 6 to 48, are furnished. The spindles, lead screw, rack studs, and all the smaller gears are made of the best machinery steel, the rack and gears being cut with the Brown & Sharpe patent cutters. The tail stock is made to set over for turning tapers, and is fastened to the bed by a cam and lever of improved design.

The foot motion is of the latest improved pattern. The sliding treadle can be brought directly under the weight of the operator at any point, and the crank is arranged so as to be automatically disconnected if any obstruction is placed under the treadle.

The crank is placed at the end of the lathe, opposite the head, so as to avoid the jar resulting from the action of the crank when placed under the head stock.

Specifications.

9 Inch Swing, 24 Inch between Centers, 41 Inch Length of Bed, Net Weight 300 Lbs., with Foot Power . . . . . Each, $ . . . .

Engine Lathe.

11 Inch Swing.

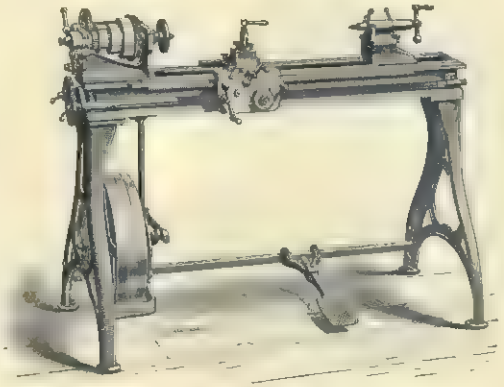


Fig A-2894.

This lathe is made from recent patterns, and has many new features.

Head spindle is hollow, having a 9-16 inch hole.

The screws that move tool block and tail spindle are graduated to read to hundredths of an inch.

It cuts right and left hand threads and feeds both ways. All gears are carefully cut and run smoothly.

The feed gearing is driven by a slot in the leading screw in connection with a patent friction, and can be instantly engaged or disengaged at any desired point. It is simple in construction, positive in operation and can not get out of order, and is so arranged that the thread of the leading screw is not used, consequently its accuracy for screw cutting is not impaired The direction of the feed is changed, or the feed gearing is disconnected, by movement of the small lever shown on the end of the head stock. Change gears to cut from 5 to 36 threads to the inch, all necessary wrenches, and center rest are furnished with the lathe.

Swings over Bed 11 Inches, Length of Bed 5 Feet, Turns 36 Inches, Swings over Rest 7⅞ Inches, Weight 700 Lbs., Price, $ . . .

Countershaft.

Fig A-2895

Each $15 00

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

DUNHAM, CARRIGAN & HAYDEN CO., 17 and 19 Beale Street, and 18, 20, 22 and 24 Main Street, San Francisco, Cal.

Horse Car or Team Bell.

With Nut.

Fig. A–1140.

Rough.

Assorted from 2 to 4 Inch . . . . . Per lb., **$0 56**

Horse Car Bells.

Fig. A–1141.

Pure Bell Metal. Rough.

3 Inch Mouth . . . . . Per lb., **$0 56**
3½ Inch Mouth . . . . . " **56**

Fig. A–1142
Fine Polish Extra Heavy
Half Size Cut of No. 6.

Hand Bells.

Fine Polish.

Nos.	0	1	2	3	4	5	6	
Diam. of Mouth,	2¼	2½	2¾	3	3½	3¾	4	Inch.
Per dozen,	$2 25	2 62	3 50	4 50	6 50	8 50	11 25	

Nos.	7	8	9	10	12	14	16	
Diam. of Mouth,	4¼	5¼	5½	‖	6½	6¾	8	Inch.
Per dozen,	$13 75	18 50	24 00	30 00	36 00	48 00	54 00	

Pure Copper and Tin, White Finish, Silver Chime.

Nos.	201	202	204	206	208	209	212	
Diam. of Mouth,	2½	3	3¾	4½	5¼	5¾	6¾	Inch.
Per dozen,	$3 20	5 40	8 00	12 75	19 00	25 00	40 00	

"Abbe's" Patent Gong Bells.

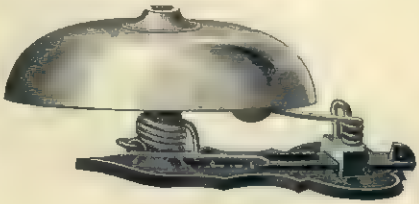


Fig. A–1144.

Half Size Cut of 5 Inch.

No. 120. Bronzed Steel.

Inch,	3	4
Per dozen.	$4 00	5 00

No. 130. Polished Bell Metal.

Inch,	3	4	5	6	7	8
Per dozen,	$8 00	10 00	14 00	20 00	28 00	40 00

"Yankee" Alarm Door Bells.

Fig. A–1143.

4 Inch.

No. **125.** Bronzed Steel Bell . . . Per dozen, **$ 5 00**
No. **135.** Polished Bell Metal Bell . . . . " **10 00**

Trip Gongs.

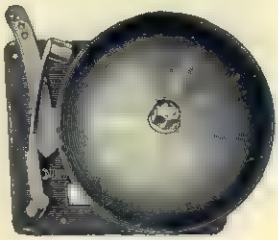


Fig A-1145

Jingle Bells.

Fig. A-1146

Trip Gongs.

Size, Inch	3	4	5
Each	$2 25	2 75	3 25

Jingle Bells.

Size, Inch	3	3½	4	5	6
Each	$2 50	3 00	3 50	4 50	5 50

Locomotive Gongs.

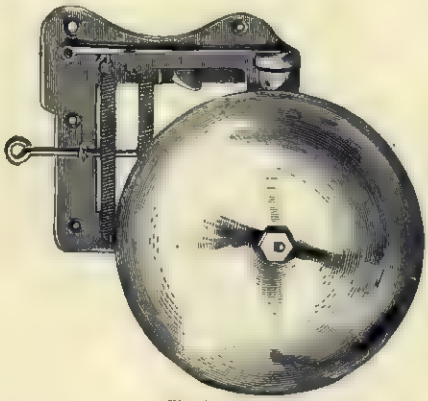


Fig A-1147

Locomotive Gongs.

Size, Inch	6	7	8	10	12	15	18
Each	$4 30	5 75	6 75	9 00	15 00	21 00	36 00

SOLID STEEL HATCHETS.

Shingling.

Lath.

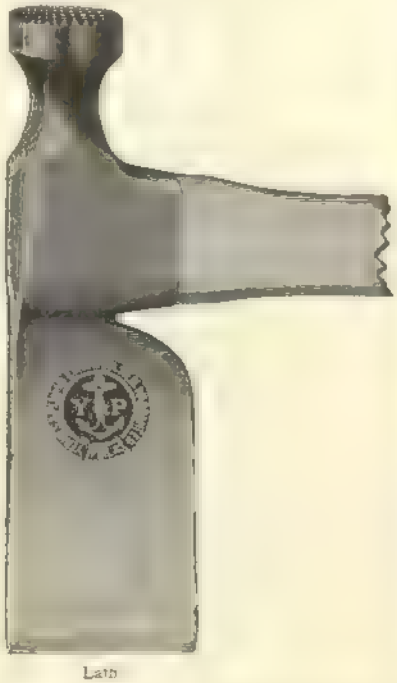
Half.

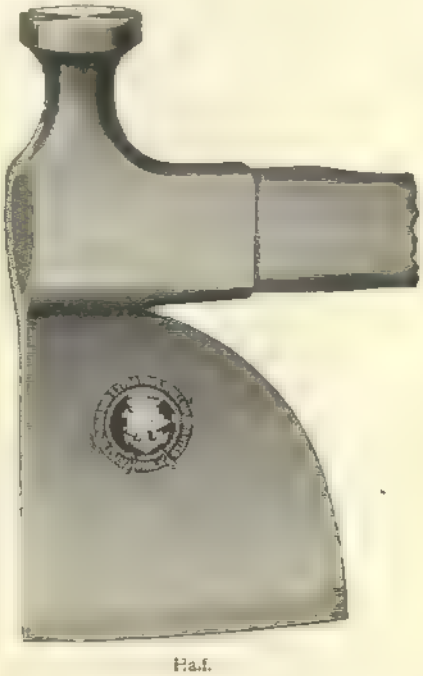
"Our Very Best," Adze Eye, Bell Poll, Handsomely Copper Plated.

No. 10–Shingling, width of bit 3½ in., - - - - - - - - - - per dozen $21.00
No. 20–Half, width of bit 3⅜ in., - - - - - - - - - - " 21.00
No. 30–Lath, width of bit 2¼ in., - - - - - - - - - - " 21.00

HALF DOZEN IN A WOOD BOX

Shingling.


Lath.

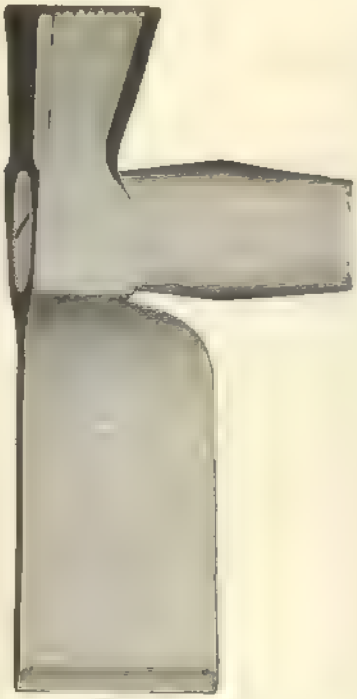

Half.

Fayette R. Plumb's, Adze Eye, Bell Poll, Full Polished.

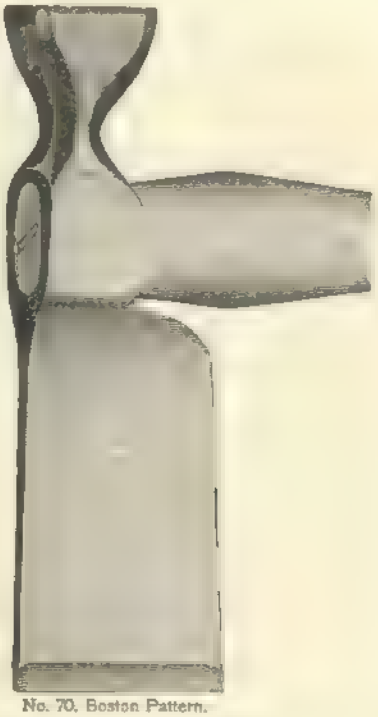
No. 110–Shingling, width of bit 3½ in., - - - - - - - - - - per dozen $15.00
No. 120–Half, width of bit 3⅜ in., - - - - - - - - - - " 15.00
No. 130–Lath, width of bit 2¼ in., - - - - - - - - - - " 15.00

HALF DOZEN IN A WOOD BOX.

SOLID STEEL LATH HATCHETS.



Nos. 60 and 80.



No. 70. Boston Pattern.

Underhill Bros.', Genuine "Star" Boston, Full Polished.

No.	60 Regular.	80 Chicago.	70 Boston.
Bit, inches,	2	2	2
Per dozen	$25 00	27.50	30 00

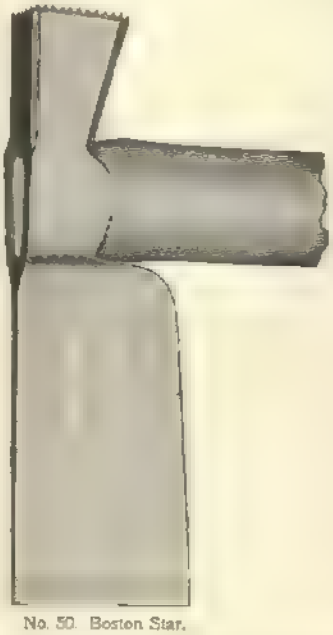
HALF DOZEN IN A BOX.

No. 90.

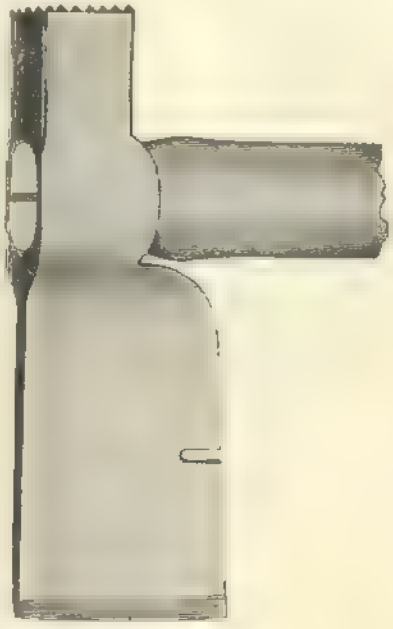
Henry Beneke's, Full Polished.

No.	90
Bit, inches,	2¼
Per dozen	$12.00

HALF DOZEN IN A BOX



No. 50. Boston Star.

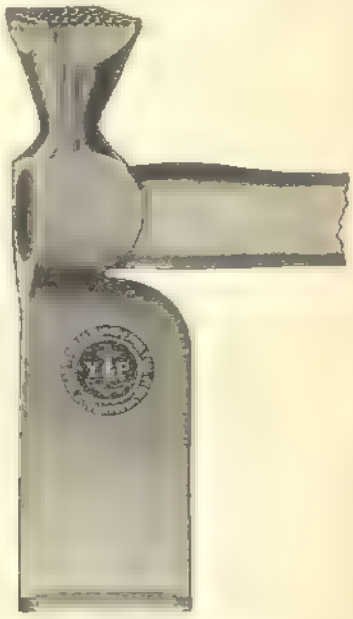


No. 40.

Underhill Edge Tool Co's, Full Polished.

No.	40	50
Bit, inches,	2⅛	2¼
Per dozen	$13 00	14 50

HALF DOZEN IN A BOX.



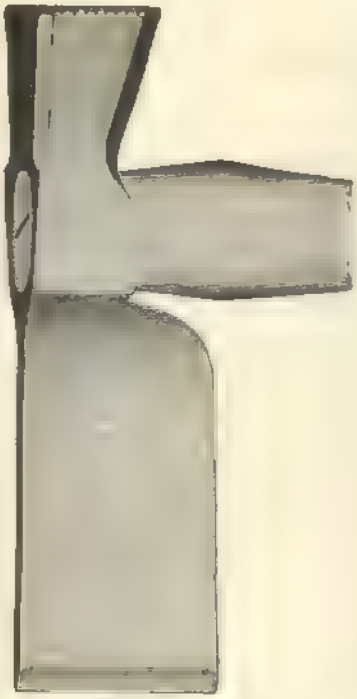
Boston Pattern

Yerkes & Plumb's, Full Polished.

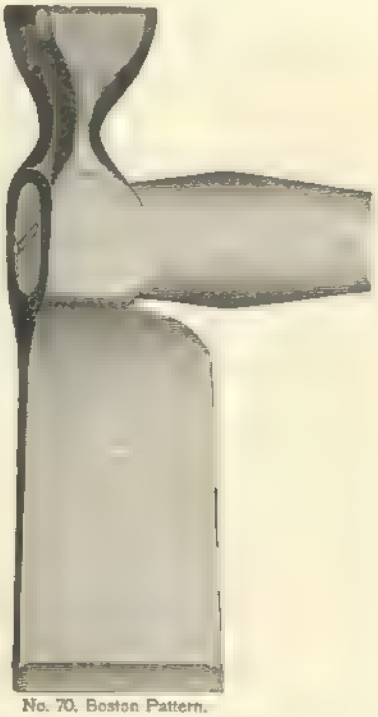
No.	100
Bit, inches,	2⅛
Per dozen	$14.50

HALF DOZEN IN A BOX.

SOLID STEEL LATH HATCHETS.



Nos. 60 and 80.



No. 70. Boston Pattern.

Underhill Bros.', Genuine "Star" Boston, Full Polished.

No.	60 Regular.	80 Chicago.	70 Boston.
Bit, inches,	2	2	2
Per dozen	$25 00	27.50	30 00

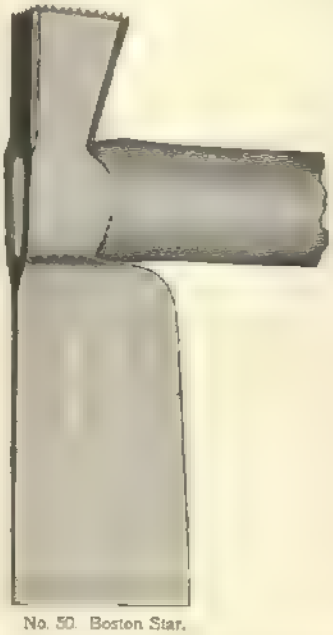
HALF DOZEN IN A BOX.

No. 90.

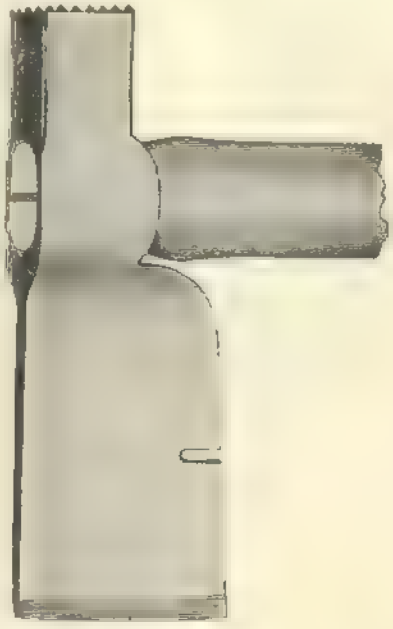
Henry Beneke's, Full Polished.

No.	90
Bit, inches,	2¼
Per dozen	$12.00

HALF DOZEN IN A BOX



No. 50. Boston Star.

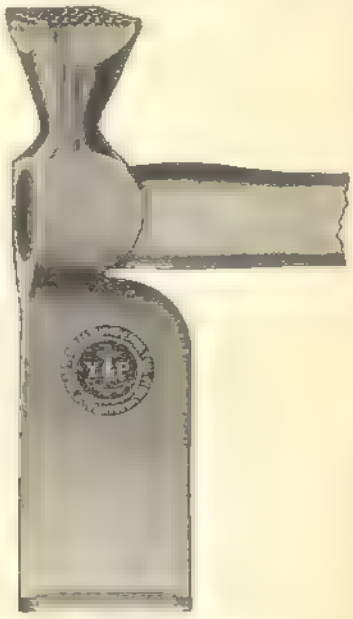


No. 40.

Underhill Edge Tool Co's, Full Polished.

No.	40	50
Bit, inches,	2⅛	2¼
Per dozen	$13 00	14 50

HALF DOZEN IN A BOX.



Boston Pattern

Yerkes & Plumb's, Full Polished.

No.	100
Bit, inches,	2⅛
Per dozen	$14.50

HALF DOZEN IN A BOX.

SOLID STEEL HATCHETS.

Shingling.

Lath.

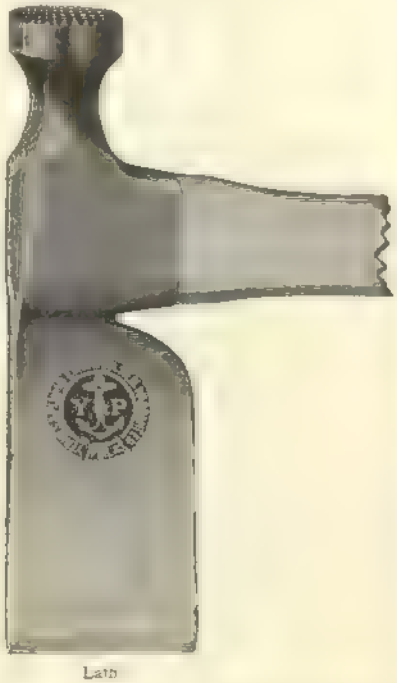
Half.

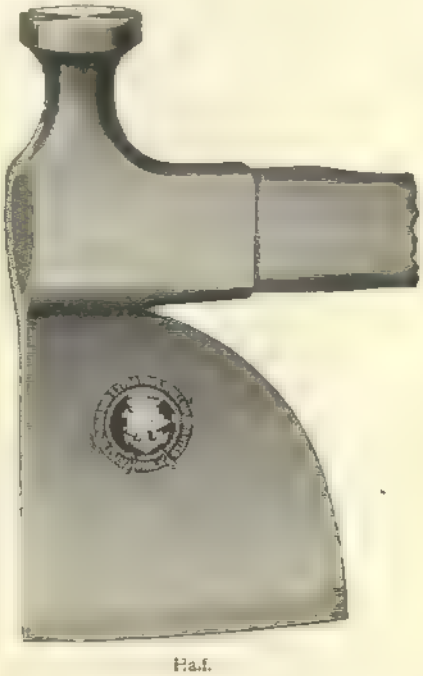
"Our Very Best," Adze Eye, Bell Poll, Handsomely Copper Plated.

No. 10–Shingling, width of bit 3½ in., - - - - - - - - - - per dozen $21.00
No. 20–Half, width of bit 3⅜ in., - - - - - - - - - - " 21.00
No. 30–Lath, width of bit 2¼ in., - - - - - - - - - - " 21.00

HALF DOZEN IN A WOOD BOX

Shingling.


Lath.


Half.

Fayette R. Plumb's, Adze Eye, Bell Poll, Full Polished.

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No. 130–Lath, width of bit 2¼ in., - - - - - - - - - - " 15.00

HALF DOZEN IN A WOOD BOX.

BICYCLES

Looking Forward!

If you ride this year you want the *BEST*. We are the largest Bicycle Manufacturers in the World and can therefore make the *Best Prices*.

MONEY CANNOT BUY BETTER WHEELS THAN

Crescent Bicycles.

They are made of the finest material obtainable and skilled labor is employed in their construction.

Newest Designs — Perfect in Every Detail — Strictly High-Grade — Fully Guaranteed.

Crescent Scorcher, 20 lbs., $90.

Men's and Ladies', **$75.00** Youths' and Misses', **$50.00** Boys' and Girls', **$40.00**

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill **WESTERN WHEEL WORKS.** Eastern Branch, 35 Barclay St., N. Y.

Built on New Ideas

The **A. H. FOX GUN** embraces *more* new and valuable improvements than any other gun built to-day A high order of inventive skill has brought its mechanism to the *absolute perfection* of simplicity and strength. The frame of the "Fox" gun holds about one-half the number of working parts found in other guns; hence these few parts are *doubly strong* —a fact worth the attention of buyers. The "Fox" is built of the finest materials regardless of cost, by the most skilled artisans in the business, and is *perfect* in balance and hard, close shooting qualities. The "Fox" gun is *guaranteed*—you *cannot* shoot it loose if you try; and its coil main and top-lever springs are *unbreakable.* The "Fox" is

"The Finest Gun in the World"

Ask your dealer to show it or write for beautiful art catalogue.

THE A. H. FOX GUN COMPANY, 4650 North 18th Street, Philadelphia, Pa.

Edison Ignition Does It All

If your boat is equipped with Edison Ignition you are relieved of all the unpleasant features of motor boating. Just renew the batteries once a season, or every other season according to your mileage, and ignition can be eliminated so far as you are concerned.

Nothing improbable about this. Full steady voltage, unaffected by internal resistance or local action and a spark coil that economizes on current, yet always delivers a quick, hot spark.

"Getting There and Back" tells all about it. Write for a copy.

EDISON MANUFACTURING CO.

17 Lakeside Avenue, Orange, N. J.

LONDON OFFICE. Victoria Road, Willesden, London, N. W.

RAINO WATERPROOF CLOTHING

Keeps You Dry, Clean and Comfortable in the Heaviest Driving Storm

Plenty of materials are suitable for waterproofing, but RAINO *is proven* so by the severest tests

Use RAINO a week or two days, and if it is not absolutely *waterproof* in any kind of storm, return it and we will get your money back promptly.

RAINO garments are soft and pliable—fit better, look better, wear better than heavy awkward slickers. It can be repaired on ordinary sewing machine

RAINO does not stick, gum, rot or pee

RAINO garments are made in [illegible] Write for Style Book, free. We pay express charges anywhere in U. S.

Dealers also can now be supplied

RAINO COMPANY

735-743 S. Halsted St., Chicago, U.S.A.

BUCYRUS SHOVELS At PANAMA

OFFICIAL RECORDS PROVE THAT BUCYRUS SHOVELS not only hold all records on the Panama Canal, but on account of their superior strength they are always put where the digging is hardest.

STEAM AND ELECTRIC SHOVELS OF ALL SIZES
Drag Line Excavators. River and Harbor Dredges. Placer Dredges
Railway Wrecking Cranes. Loco Pile Drivers and Unloading Plows

BUCYRUS COMPANY

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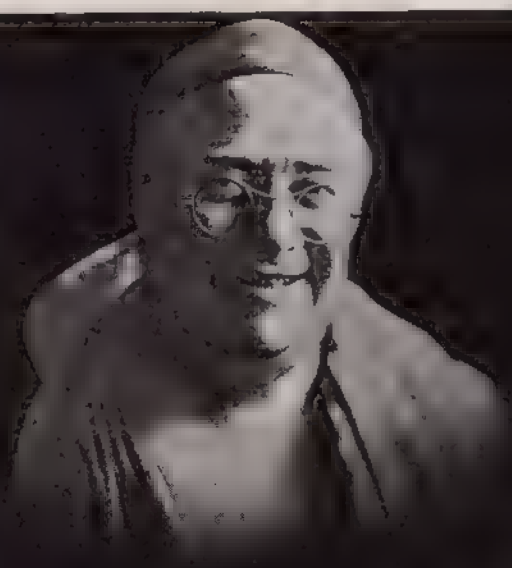

"There be no sin
in a drop o' gin,"—

but let it be

COATES'
ORIGINAL PLYMOUTH GIN

A product perfected by the Black Friars of England, and still made and bottled at the Black Friars Distillery, Plymouth, England. A pure, dry, unsweetened gin. The standard for more than two centuries.

The only Gin made and bottled at Plymouth, England.
Sold in bottles only.

Look for the Monk on the label.

NEW YORK & KENTUCKY COMPANY,
Sole Agent for the United States,
232 5th Avenue, Cor. 27th Street, NEW YORK CITY.

HUNT STEEPLE TOWERS

Hold Government Record For Coaling Warships

United States Naval Coaling Station at Puget Sound, Washington

IN coaling the United States Battleship "Virginia" the Hunt Steeple Towers, shown herewith, attained a maximum capacity of 555.9 tons of coal per hour, breaking the U. S. Government Record. Besides the Steeple Tower, two Hunt Cable Railways are used for conveying the coal to and from storage pockets.

Ask for Catalog G 091, telling about Hunt Coal Handling Apparatus.

HUNT

10 Ton Freight Handling

CRANES

The cranes shown in the accompanying illustration span three railway tracks and move along the wharf under their own power. We build freight handling cranes of from 1 to 50 tons capacity.

Ten Ton Electric Freight Handling Cranes at the Greenville, N. J., Terminal of the Pennsylvania Railroad. Three of these cranes at this location.

Ask for Catalog G 091 on Steeple Towers and Cranes.

C. W. HUNT CO., INC.

WEST NEW BRIGHTON, N. Y.

Designers and Manufacturers of Apparatus for the Automatic Handling of Bulk Material

22

So Much the Worse for Ruskin.

"Railway traveling," says Ruskin, "is not traveling at all;
it is merely being sent from place to place, like a parcel."

Which proves that the famous Englishman never knew what the perfection of railway travel really is, as exemplified in the passenger service and scenic features of the

GREAT NORTHERN RAILWAY

ONE DAY'S SPORT ON THE LINE OF THE GREAT NORTHERN RAILWAY.

A new, fast, safe, and every way desirable route across the continent, leading from Lake Superior to the Pacific Ocean, and unfolding in a magnificent succession of panoramic surprises the majesty of Nature in her wildest and sublimest moods; interesting, stimulating, instructive, meeting every requirement for which travel is ever recommended.

About Great Northern Tours to Pacific Coast and Alaska, address A. C. HARVEY, 211 Washington Street, Boston, Mass

Send 10 cents in stamps for art book, "Valley, Plain, and Peak" or 15 cents for "Atlas of the Northwest." F. I. WHITNEY, G. P. & T. A., St. Paul, Minn.

The Passenger Steamships,

NORTH WEST - NORTH LAND

run in connection with this line,

Buffalo to Duluth.

HAMBURG-AMERICAN LINE CRUISES

S. S. IMPERATOR

Newest and largest steamship afloat. In Regular Transatlantic Service after June 11th and every three weeks thereafter. In addition to the well known features of modern Ocean Steamers there is a great Ritz Carlton a la carte Restaurant, Ball Room, Grill Room, Private Dining Rooms, Pompeiian Bath, a Swimming Pool and a Gymnasium

Write for beautifully illustrated books, stating cruise

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Special Summer Rates to October 1st

by the new, fast Twin Screw Steamships "CARL SCHURZ" and "EMIL L. BOAS" and the well-known "PRINZ" Steamers of our **ATLAS SERVICE**, calling at Cuba, Hayti, Colombia, Costa Rica, Nicaragua.

Plan your trip to include a stop-over at

HOTEL CHAMBERLIN

At Old Point Comfort, Virginia

Going—Returning—North
—South—East—West—
On Business or Pleasure,

spend a few days here. It will break up the monotony of your trip, rest and refresh you.

Old Point Comfort is easily accessible from all points. (Consult the map.) All railroads sell tickets with stop-over privileges.

Hotel Chamberlin is noted for its luxurious, yet homelike appointments—its unique location right at Hampton Roads and Fortress Monroe, in the center of military and naval activities—its historic surroundings—its magnificent Sea Pool and Medicinal Baths, Golf, Tennis, Boating, etc. Last, but not least, its cuisine—real Southern cooking, fresh oysters and sea food from nearby waters, fresh vegetables from our own gardens.

Come—enjoy rest, recreation and real Southern hospitality at this famous resort.

For further information and interesting illustrated booklets, apply at any Tourist Bureau or Transportation Office or address me personally.

GEO. F. ADAMS, Mgr., Fortress Monroe, Va.
New York Office, 1122 Broadway

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These six [illegible] Vose Player [illegible] you to play your favorite selections with the expression. We deliver them free from our factory free of charge and guarantee perfect satisfaction. Liberal allowance for old pianos. Time payments accepted. FREE—If you are interested in a player piano let us send you our beautifully illustrated catalog, that gives full information.

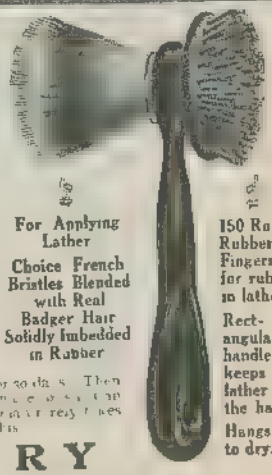
VOSE & SONS PIANO CO.
175 Boylston St. Boston, Mass.

30 DAYS FREE TRIAL

Send for this

NEW

Shaving Brush



For 30 Days' Free Trial Before Buying

For Applying Lather
Choice French Bristles Blended with Real Badger Hair Solidly Imbedded in Rubber

Use it every day you shave for 30 days. Then send us the price $3.00 or return it. If you return it we will refund your money without question. A fair trial takes 30 days to learn if the brush is right.

150 Round Rubber Fingers for rubbing in lather.

Rectangular handle keeps lather off the hand

Hangs up to dry.

LUXURY LATHER BRUSH

Greatest improvement in shaving tools since the invention of the safety razor

It is a revelation in shaving comfort. The [illegible] rubber fingers [illegible] the beard for the keen razor [illegible] fingers [illegible] to lather with the [illegible] of a crowing beard—makes any razor shave well.

Write on your business stationery, enclose business card or give references. We will prepay and send you this brush, postage prepaid.

Your dealer is authorized to give you a *30-day free trial* of the Luxury Brush before buying. *Ask him for it.*

Luxury Sales Company 430 River Street Troy, N. Y.

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To Chicago, Minneapolis and St. Paul
ILLINOIS CENTRAL
CENTRAL MISSISSIPPI VALLEY ROUTE
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TOURIST SLEEPING CARS
From Pacific Coast to Chicago
VIA NEW ORLEANS
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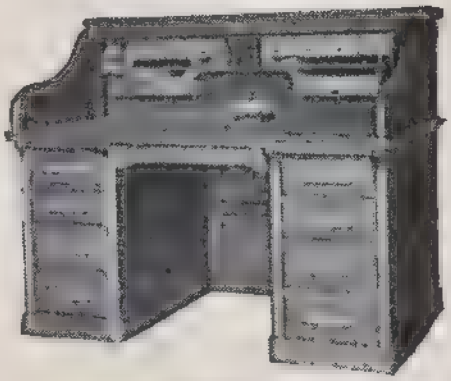

No. MO360

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Madera County, California,

OFFERS to the homeseeker ideal conditions for the Business man, Farmer, Stock raiser, Dairyman, Lumberman, Miner, etc., its resources being unlimited.

Madera the county seat, is a city of 2,500 population. It has two Grammar Schools and one High School, Court House built at a cost of $150,000 from granite out of a Madera County quarry. The San Francisco Postoffice is built of this granite.

Land for Alfalfa the Grape, and all kinds of fruits and cereals, with irrigation, can be had at very low figures and easy terms. For particulars write to the Board of Trade, Madera, Madera County, California, or to any of the following members of the Board of Supervisors:—S. SLEDGE, Madera; D. B. FOWLER, Madera; F. D. BROWN, Berenda; GEO. TEAFORD, Fresno Flats; W. A. ELLIS, North Fork, Madera County, California.

High Grade

Yachts and Launches

Wood or Steel constructed, Steam or Gasoline. :: :: We build everything from a 20 foot Launch to a 150 foot Steel Steam Yacht. and guarantee superiority,

Non-sinkable Steel Launches

Highest of all high grade pleasure boats; Sectional steel boats for export or long distance shipment.

Noiseless Self-starting Gasoline Engines

2 to 30 H. P. Noiseless—exhaust under water. Large sizes self-starting; Speed absolutely controlled.

Our 20 ft. Family Launch $375

Length, 20 ft., Beam, 5½ ft., Power, 2½ Horse Power Capacity, 10 people.

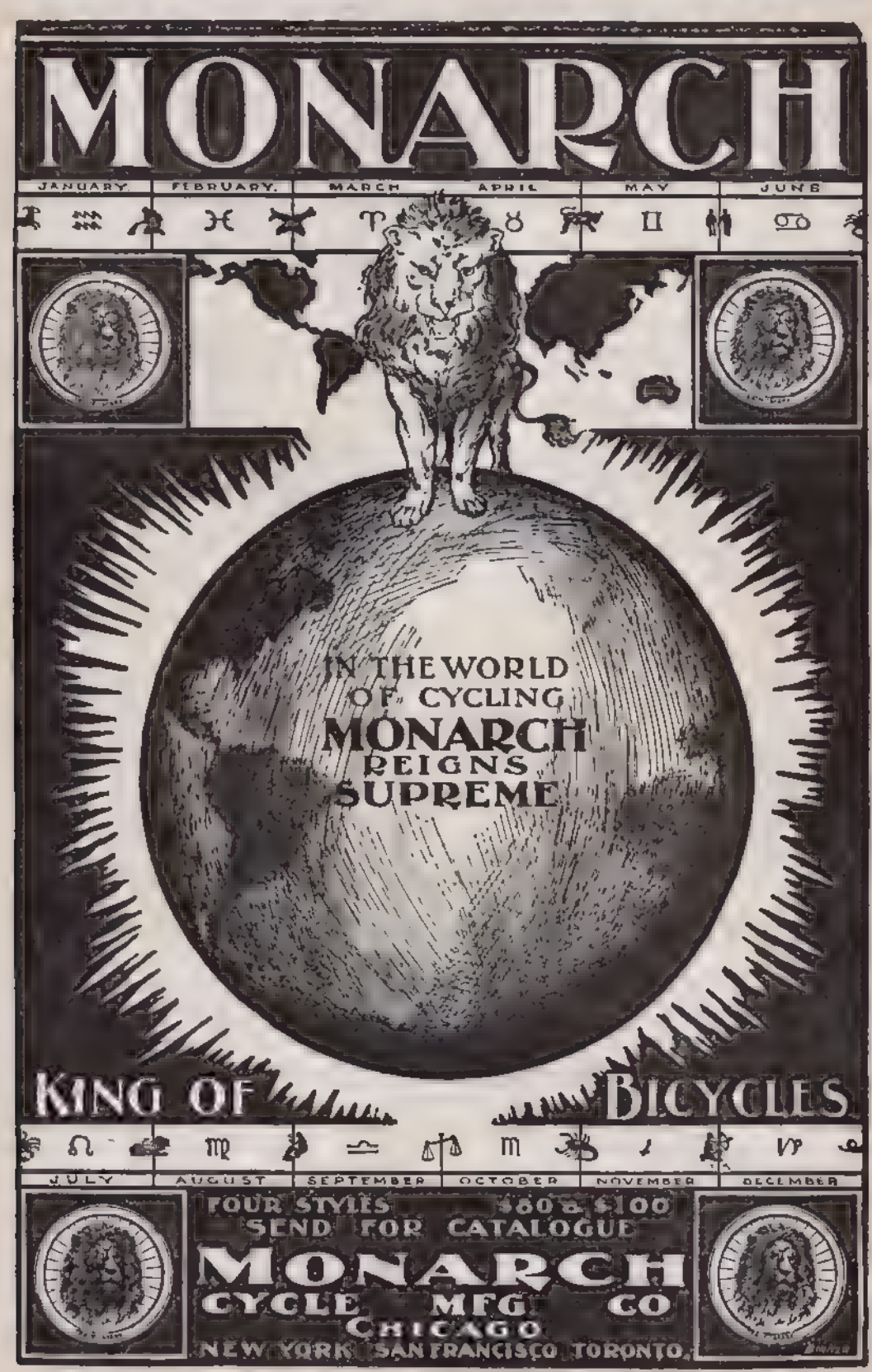
Nonpareil Collapsable Canopy

The only perfect canopy ever built for a small boat.

Send 10 cents for Catalogue.

Michigan Yacht & Power Company,

O. J. MULFORD, Mgr., 1526 Jefferson Ave., DETROIT, MICH., U. S. A.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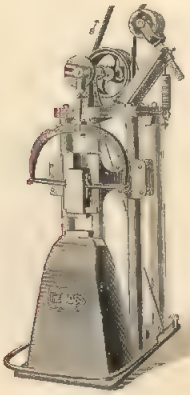
Marshall-Wells Hardware Co.

Improved Power Hammer.

"The Boss."



Patent Pending.

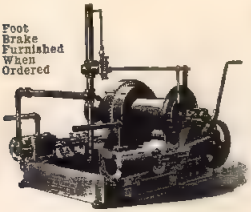
It will strike as you like. Saves money and muscle. Try it.

The "Boss" is unequalled for dressing plow lays. Used in wagon shops and buggy factories.

One Horse Power Runs It.

The "Boss" will strike a single blow, or 375 blows per minute. Estimated force of blow at full speed, 300 pounds. It forges material 3¾ inches thick. Simple in construction. Easily repaired.

Send for full Description and Price.



HOISTING ENGINES

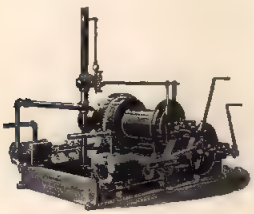
This represents a Double Cylinder Single Friction Drum Hoisting Engine — without boiler— which is adapted for use where only one drum is required, and the steam is furnished from an independent boiler used to supply two or more engines on docks, tunnels, etc. This style of engine can also be operated with compressed air.

All our engines are built on the duplicate part system.

Every engine is thoroughly tested with steam before shipment.

DOUBLE CYLINDER, SINGLE FRICTION DRUM HOISTING ENGINE, WITHOUT BOILER

Size No. of Engine	H. P. Usually Rated	Dimensions of Cylinders	Dimensions of Drums	Weight Hoisted Single Line lbs.	Weight Hammer Quick Work lbs.	Shipping Weight Complete lbs.
166	12	5½x10	12x16	3,000	2,000	3,270
168	16	6¼x10	14x16	4,000	2,400	3,550
170	22	7¼x10	14x18	6,150	3,000	4,300
172	28	8 x10	14x20	7,050	3,500	4,700
173	40	9 x12	16x24	9,000	5,000	6,800
173¼	45	9 x13	16x24	9,500	5,500	7,000
173½	50	10 x12	18x26	10,500	6,000	8,800
173¾	55	10 x13	18x26	12,500	6,500	9,000

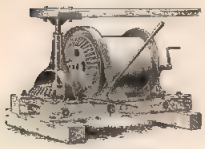


DOUBLE CYLINDER, DOUBLE FRICTION DRUM HOISTING ENGINE WITHOUT BOILER

Size No. of Engine	H. P. Usually Rated	Dimensions of Cylinders	Dimensions of Drums	Weight Hoisted Single Line lbs.	Weight Hammer Quick Work lbs.	Shipping Weight Complete lbs
174	12	5½x10	12x16	3,000	2,000	4,720
176	16	6¼x10	14x16	4,000	2,400	4,950
178	22	7¼x10	14x18	6,150	3,000	5,970
180	28	8 x10	14x20	7,050	4,000	6,750
181	40	9 x12	16x24	9,000	5,000	9,500
181¼	45	9 x13	16x24	9,500	5.500	10,000
181½	50	10 x12	18x26	10 500	6,000	13,000
181¾	55	10 x13	18x26	12.500	6.500	13,500

Prices on application

HORSE POWER HOISTING MACHINE



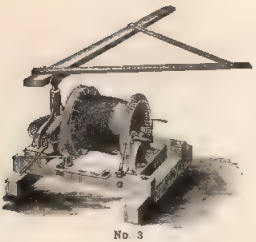
No. 2

No. 2. For the ordinary building of bridge foundation approaches and quarrying.

Capacity. One horse. Single rope, 2,400 lbs., 22 ft. per minute. Single block, 4,800 lbs., 11 f.t per minute. Two single blocks, 7,200 lbs.

Dimensions. Gears, 36 to 36 Drum, 22 in. long, 20 in. diameter Bed frame, 5 ft. 3 in. long and 2 ft. 9 in. wide. Height, 3 ft. 6 in. Weight, 1,300 lbs.

No 2 Horse Power Hoisting Machine..... .....$100.00



No. 3

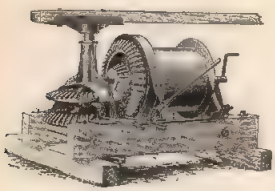
No. 3. For elevating brick and mortar in hods or wheelbarrows in the construction of chimneys, towers, or high buildings.

Capacity. One horse. Single line, 960 lbs., 55 ft per minute. Single block, 1,900 lbs., 28 ft. per minute.

Dimensions. Gears, 45 and 18 teeth. Drum, 22 in. long and 20 in. diameter. Bed frame, 5 ft. 3 in. long and 3 ft. 3 in. wide. Height, 3 ft. 6 in. Weight, 1,200 lbs.

No. 3..... .....$100.00

SINGLE DRUM, DOUBLE SPEED



No. 4

No. 4. Single Drum, Double Speed $160 00

No. 4. Designed for the use of builders and quarrymen.

Capacity. One horse. Fast speed, single rope, 960 lbs., 55 ft. per minute, single block, 1,960 lbs., 28 ft. per minute. Slow speed, single rope, 2,400 lbs., 22 ft. per minute; single block, 4,800 lbs , 11 ft. per minute; two single blocks, 7,200 lbs

Dimensions. Gears, 42 and 42, 45 and 18 teeth. Drum, 22 in long by 20 in. diameter. Bed frame, 6 ft. long by 3 ft. 3 in wide. Height 4 ft. Weight 1,800 lbs.

Men's Handled Axes.

Michigan Pattern.

	Per Dozen
No. 500—Zenith, Bronzed, Wisconsin Pattern,	$17.00
No. 501—Zenith, Bronzed, Michigan Pattern,	17.00
No. 510—Mesaba, Silver Bronzed, Wisconsin Pattern,	16.50
No. 511—Mesaba, Silver Bronzed, Michigan Pattern,	16.50

	Per Dozen.
No. 520—M. W. H. Co.'s Hand Made, Wisconsin Pattern,	$19.00
No. 530—Lippincott's, Wisconsin Pattern,	18.00
No. 540—Hunt's, Wisconsin Pattern,	18.00
No. 550—Northern King, Wisconsin Pattern,	14.50
No. 551—Northern King, Michigan Pattern,	14.50

Half Dozen in a Case, Weight 35 Lbs.

Unless otherwise specified, we ship 3½ to 4½ Lbs. Axes.

Northern King Axes will be sent with No. 1 Turned Handles, unless otherwise ordered.

Zenith, Mesaba, Lippincott's and Hunt's Axes will be furnished with XXXX Handles, unless otherwise specified.

For Handled Axes, Add to Price of Unhandled:

	Per Dozen.
Zenith Hand Shaved 36 in., Oval, Extra Quality Second Growth Hickory,	$4.00
XXXX—36 in., Oval, Extra Quality, Second Growth Hickory,	3.00
No. 1 —36 in., Oval, Turned, Select Second Growth Hickory,	2.50
No. 2 —36 in., Oval, Turned, Hickory,	2.00

Single Bitted Axes.

Northern King.

Wisconsin Pattern.

Per Dozen.

No. 95—Best Cast Steel, Black Finish, Polished Head, ... $12.00

Assortments:

3½ to 4, 3½ to 4½, 3⅝ to 4, 3⅝ to 4½, 3⅝ to 4⅝, 4 to 5 Lbs

One Dozen in a Case.

Michigan Pattern.

Per Dozen.

No. 095—Best Cast Steel, Black Finish, Polished Head; $12 00

Assortments:

3½ to 4, 3½ to 4½, 3⅝ to 4, 3⅝ to 4½, 3⅝ to 4⅝, 4 to 5 Lbs.

One Dozen in a Case.

Shipping Weight, 50 Lbs. Per Case.

Broad Axes.

Zenith.

Western Pattern.

Extra Cast Steel, Gold Bronzed, Polished Head.

Weight, Assorted, Lbs.,	6⅛ to 7⅛	7 to 9	8 to 10
Weight Per Dozen, Lbs.,	103	116	125
Per Dozen,	$32 00	35.00	38 00

Half Dozen Assorted in a Case.

Zenith.

Canada Pattern.

Extra Cast Steel, Gold Bronzed, Polished Head

Weight, Lbs.,	**5**	**5½**	**6**	**6½**	**7**	**7½**	**8**	**8½**	**9**	**9½**	**10**	**10½**	**11**
Weight Per Dozen, Lbs.,	76	82	89	93	98	104	114	122	131	133	141	151	167
Per Dozen,	$42 00	42 00	42 00	42 00	42 00	46 00	46 00	46.00	46.00	50.00	50.00	50.00	50.00

Half Dozen of a Size in a Case

Double Bitted Axes.

Northern King.

Wisconsin Pattern.

	Per Dozen.
No. 80—Best Cast Steel, Black Finish,	$15 00

Assortments:

3½ to 4, 3¾ to 4½, 3½ to 4½, 4 to 5 Lbs.

One Dozen in a Case.

Michigan Pattern.

	Per Dozen.
No. 080—Best Cast Steel, Black Finish,	$16.00

Assortments

3½ to 4, 3¾ to 4½, 3½ to 4½, 4 to 5 Lbs.

One Dozen in a Case.

Shipping Weight, 50 Lbs. Per Case.

Firemen's Axes.

Underhill's.

Extra Cast Steel, Bit and Pick, Painted Red.

	Per Dozen.
No. 5—Underhill's, 4½ to 4¾ Lbs, With 36 in Red Painted Handle,	$36 00

Weight, 70 Lbs. Per Dozen

One Dozen in a Case.

Ship Axes.

Zenith.

Extra Quality Cast Steel, Gold Bronzed.

	Per Dozen
No. 2—Zenith Ship Axe, 5 to 5½ Lbs., 6 to 7 in. Cut,	$30.00

Weight, 70 Lbs. Per Dozen..

Half Dozen in a Case.

Ship Adzes.

White's, Spur Head.

Superior Quality Steel, Gold Bronzed

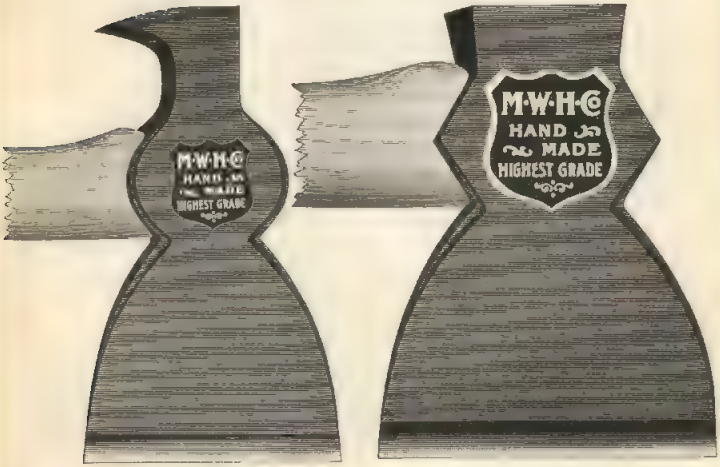
Width of Bit,	4¼	4½	5	5½
Weight Per Dozen, Lbs.,	32	36	40	45
Per Dozen,	$30 00	33.00	33.00	36.00

Half Dozen to a Case.

Hatchets.

Hand Made.

Extra Quality Refined Steel, Natural Finish.



Claw.

	Per Dozen
No. 1—3½ Inch Cut,	$8 00
No. 2—4 Inch Cut,	9.50
No. 3—4½ Inch Cut,	10 00

Broad.

	Per Dozen
No. 2—4½ Inch Cut,	$11 50
No. 3—5 Inch Cut,	13.00
No. 4—5½ Inch Cut,	14.50
No. 5—6 Inch Cut,	16.50
No. 6—6½ Inch Cut,	18.00

Shingling.

	Per Dozen
No. 1 3½ Inch Cut,	$8.00
No. 2 4 Inch Cut,	8.50
No. 3—4½ Inch Cut,	9.00

All One Half Dozen in a Box.

Adzes.

Our Hand Made.

	Per Dozen
Half Head, 3½ to 4½,	$30.00

Broad Axes.

Zenith Round Cornered Wisconsin Pattern.

	Per Dozen
6 and 6½ Pounds,	$36.00
7½ and 8½ Pounds,	40 00

Adzes.

Zenith Ship Adzes.

Extra Cast Steel, Gold Bronzed.

Plain Bit.	Per Dozen.
No. 6—Spur Head, 4 to 4¼ in Cut, . . .	$26.00

Weight, 50 Lbs. Per Dozen.

Lipped Bit.	Per Dozen.
No. 8—Spur Head, 4 to 4½ in. Cut, ...	$30.00

Weight, 45 Lbs. Per Dozen.

Zenith, Railroad, Full Head.

Extra Cast Steel, Gold Bronzed.

	Per Dozen.
No. 3—Railroad, Full Head, 5 to 5½ in Cut, .	$26.00

Weight, 60 Lbs. Per Dozen.

Zenith, House Carpenters', Half Head.

Extra Cast Steel, Gold Bronzed.

	Per Dozen.
No. 10—House Carpenters', Half Head, 3½ to 4½ in Cut, ...	$24.00

Weight, 55 Lbs. Per Dozen.

All One Dozen in a Case.

Single Bitted Axes.

M. W. H. Co.'s Hand Made.

Wisconsin Pattern.

Per Dozen.

No. 35—Extra Quality Cast Steel, Gas Tempered, Natural Finish, ... $16.00

Assortments:

3½ to 4½, 3½ to 4, 3½ to 4½, 3½ to 4½, 4 to 5 Lbs.

One Dozen in a Case.

Red Ridge.

Wisconsin Pattern.

Per Dozen.

No. 115—Extra Cast Steel, Red Finish, . $12.50

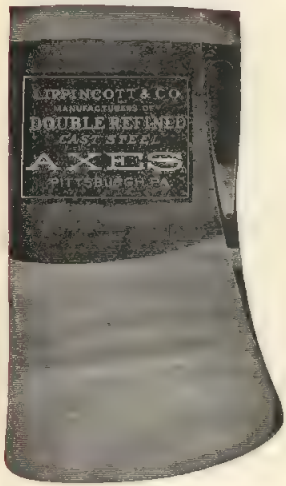
Assortments:

3½ to 4, 3½ to 4½, 3½ to 4½, 4 to 5 Lbs.

One Dozen in a Case

Shipping Weight 50 Pounds Per Case.

Single Bitted Axes.



Lippincott & Co.'s.

Wisconsin Pattern.

	Per Dozen.
No. 55—Double Refined Cast Steel, Gold Brousad,	$15 00

Assortments:

3½ to 4, 3½ to 4½, 3½ to 4, 3½ to 4½, 3½ to 4½, 4 to 5 Lbs.

One Dozen in a Case.

Hunt's.

Ohio Pattern.

	Per Dozen.
No. 65—Best Refined Cast Steel, Black	$15.00

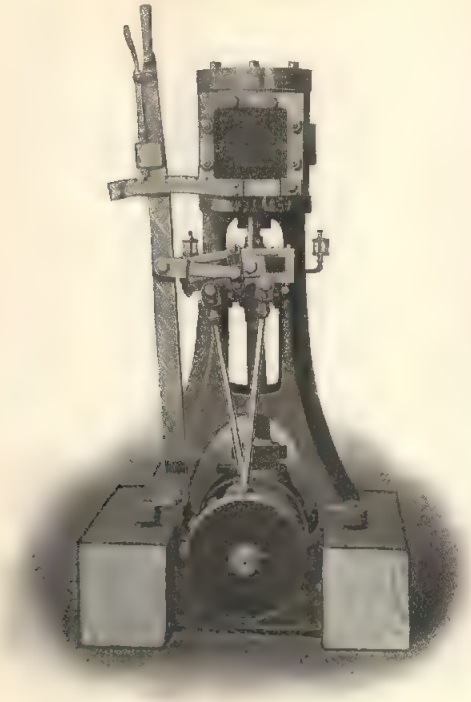
Assortments:

3½ to 4½, 3½ to 4, 3½ to 4½, 3½ to 4½ Lbs.

One Dozen in a Case.

Shipping Weight, 60 Lbs Per Case.

Marine Engine.

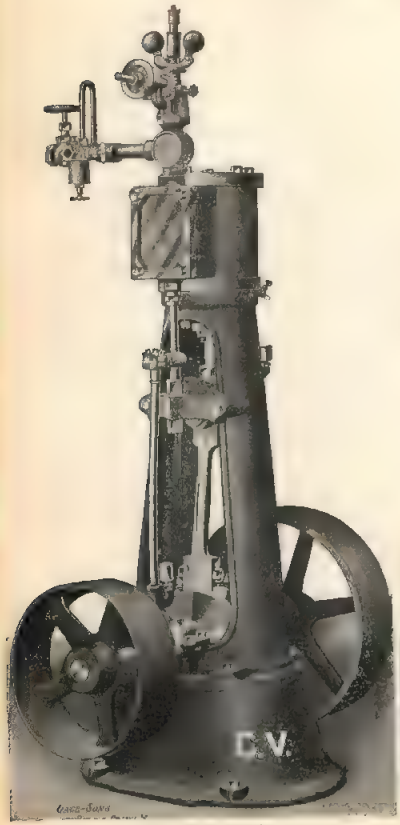


High Speed Marine Engine.

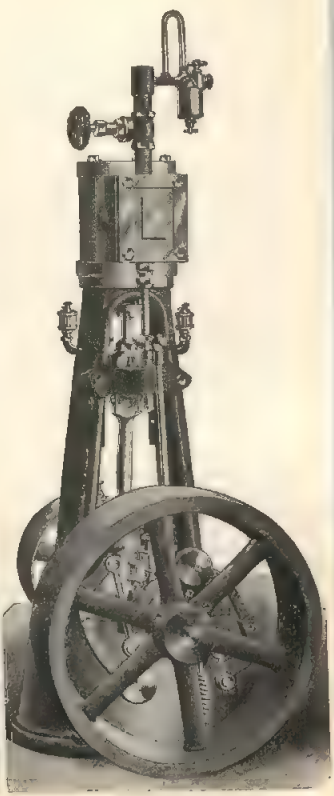
The engraving shows an engine with "D" slide valve, but we build this engine in either size with balanced piston valve, if preferred.

Diameter of Cylinder, In.	6	6	7	8	Size Exhaust Pipe, In.	1¼	1¼	2	2½
Length of Stroke, In.	6	8	8	8	Size of Foundation, In.	12½x30½	15x25	15x25	15x27
Size Steam Pipe, In.	1¼	1¼	1¼	2	Height above Timber, In	50	54	54	54

Steam Engines.



Plain Vertical Engine.



Automatic Vertical Engine.

Steam Engines.

Plain Vertical Center Crank Engines.

Dimensions and Horse Power of Plain Vertical Center Crank Engines. Based on 80 Pounds Initial Pressure.

No.	HP	Cylinder		Shaft	Wheel		Pulley		Pipes		Rev.	Weight	Each
		Diam.	Stroke	Diam.	Diam.	Face	Diam.	Face	Steam.	Exhaust.			
V 1	1½	2½	3½	1½	13	3¼	6	3¼	⅜	½	400	250	$ 80.00
V 2	2	3	4½	1½	16	4½	10	4½	½	⅝	350	325	96.00
V 3	3	3½	4½	1½	16	4½	10	4½	½	¾	350	350	112.00
V 4	4	4	5	1½	17	4¾	12	4½	⅝	1	325	500	125.00
V 5	5	4½	5	1½	18	4½	12	4½	⅝	1	325	550	150.00
V 6	6	5	6½	2	20	6	14	6½	1	1¼	250	750	175.00
V 7	7	5½	6½	2	24	6	14	7½	1	1¼	250	825	185.00
V 8	8	6	8	2½	26	6¾	16	6½	1¼	1½	200	1250	200.00
V 9	10	7	8	2½	30	6¾	18	7½	1½	2	200	1325	225.00
V10	12	7	10	2⅞	35	6¾	18	8½	1½	2	175	1700	250.00
V11	15	8	10	2⅞	35	6¾	20	10½	2	2½	175	1800	300.00
V12	18	9	10	2⅞	35	6¾	20	10½	2	2½	175	1900	330.00
V13	20	9	12	3⅜	35	6¾	20	10½	2¼	3	150	2400	350.00
V14	25	10	12	3⅜	35	6¾	20	10½	2¼	3	150	2600	400.00
V15	30	11	12	3⅜	40	10½	24	10½	2½	3½	150	3000	450.00

With each engine we furnish governor, pulley, governor belt, oil cups, throttle valve, cylinder lubricator, belt pulley and balance wheel, complete and ready for starting.

Engines and boilers furnished on combined bases if desired.

Automatic Vertical Center Crank Engines.

The engine is governed automatically by an improved device contained within the fly wheel. This governor is thoroughly automatic in its action and can be easily adjusted.

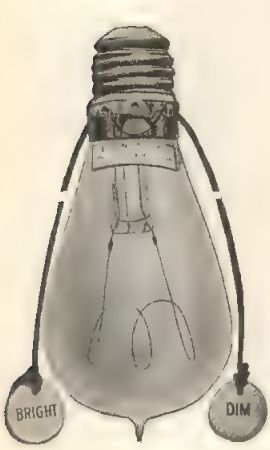
Dimensions and Horse Power of Automatic Vertical Center Crank Engines. Based on 80 Pounds Initial Pressure. Cut Off at ¼ Stroke.

No.	HP	Cylinder		Shaft	Wheel		Pulley		Pipes		Rev.	Weight	Each
		Diam.	Stroke	Diam.	Diam.	Face	Diam.	Face	Steam	Exhaust			
AV 2	3	3	4½	1½	16	4½	10	4½	½	⅝	400	325	$112.00
AV 3	4	3½	4½	1½	16	4½	10	4½	½	¾	400	350	125.00
AV 4	5	4	5	1½	18	4½	12	4½	¾	1	375	525	150.00
AV 5	6	4½	5	1½	18	4½	12	4½	¾	1	375	575	175.00
AV 6	7	5	6½	2	20	6	14	6½	1	1¼	300	770	185.00
AV 7	8	5½	6½	2	24	6	14	7½	1	1¼	300	850	200.00
AV 8	10	6	8	2½	30	6¾	16	6½	1¼	1½	240	1300	225.00
AV 9	12	7	8	2⅝	30	6¾	18	7½	1½	2	240	1375	250.00
AV10	15	7	10	2⅞	35	6¾	18	8½	1½	2	210	1750	300.00
AV11	20	8	10	2⅞	35	6¾	20	10½	2	2½	210	1800	350.00
AV12	25	8½	10	2⅞	35	6¾	20	10½	2	2½	225	2000	400.00
AV13	30	9	12	3⅝	40	10½	24	10½	2½	3	200	2600	450.00
AV14	35	10	12	3⅝	40	10½	24	10½	2½	3½	200	2800	500.00
AV15	40	11	12	3⅝	40	12½	24	12½	2½	3½	200	3100	550.00

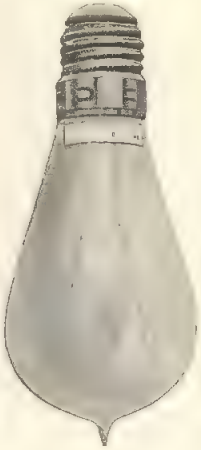
TRIMMINGS: For automatic engines, a complete set of nickel plated glass oilers, sight feed lubricator, throttle valve and cylinder cocks.

Turn Down Incandescent Lamps.

Economical—16 to 1.



Style 1.



Style 2.

The most practical turn down lamp on the market. By a simple movement the 16 c. p. light is dimmed to 1 c. p. Style 1 is operated by the two strings as indicated in cut, and Style 2 by a simple turn of the bulb. Stock voltages are 104 and 110, but any other from 50 to 230 can be supplied by factory.

	Each
No. 1—Edison Base, 16x1 Candle Powerx104 and 110 Volts,	$1.00
No. 2—Edison Base, 16x1 Candle Powerx104 and 110 Volts,	1.00

Marshall-Wells Hardware Co.

Incandescent Lamps.

(FULL SIZE CUTS)

Double Filament Lamp.

Single Filament Lamp.

Edison Base.

Westinghouse or Sawyer-Man Base.

Thomson Houston Base.

Bryan-Marsh Co.'s Imperial and Army and Navy Lamps.

Imperial Double Filament, Standard Type, Fitted with Edison or Westinghouse Base.

Voltage from 70 to 175 Volts Inclusive 3.1, 3.5 and 4 Watts Per Candle Power

Candle Power.	Broken Packages.	Standard Packages.	Contracts on Future Delivery Order Basis, 1,000 to 10,000 Lamps	Contracts on Future Delivery Order Blanks, 10,000 Lamps and over
4 to 25 Inc.	$0.22	$0.20	$0.18	$0.17 Per Lamp
32	.35	.30	.27	.24
50	.56	.50	.45	.42
100	1 10	1.00	.90	.65
150	1.65	1.50	1.25	1.20

Imperial Double Filament, Standard Type. 200 to 250 Volts.

8 10 16	$0.23	$0.21	$0.20	$0.19 Per Lamp
20 24	.33	.28	.27	.26
32	.40	36	34	.33

Imperial Single Filament, Oval Anchored Type, Fitted with Edison or Westinghouse Base.

Voltage from 45 to 130 Volts Inclusive.

4 to 25 Inc.	$0 20	$0.18	$0.17	$0.16 Per Lamp
32	.32	.27	.26	.25
50	.50	.45	.42	.40
100	1.00	.90	.85	.80
150	1.50	1.35	1.30	1.25

Imperial Single Filament, Oval Anchored Type.

20 to 45 and 200 to 250 Volts.

8 10 16	$0.22	$0.20	$0.19	$0.18 Per Lamp
20 24	.32	.27	.26	.25
32	.40	.35	.33	.32
50	.70	.65	.62	.60

Army and Navy, Single Filament, Oval Anchored Type, Fitted with Edison or Westinghouse Base.

Voltage from 45 to 130 Volts Inclusive. Not Made in 200 to 250 Volts.

Candle Power.	Broken Packages.	Standard Packages	Contracts on Future Del Order Blanks, 1,000 or less than 5,000	Contracts on Future Delivery Order Blanks, 5,000 or less than 10,000	Contracts on Future Delivery Order Basis 10,000 and over.
4 to 25 in.	$0.19	$0 17	$0 16	$0.15	$0.14½ Per Lamp
32	30	26	.25	24	.23
50	.45	43	.40	.38	36
100	1 00	85	80	80	76
150	1 80	1.25	1 25	.25	1.15

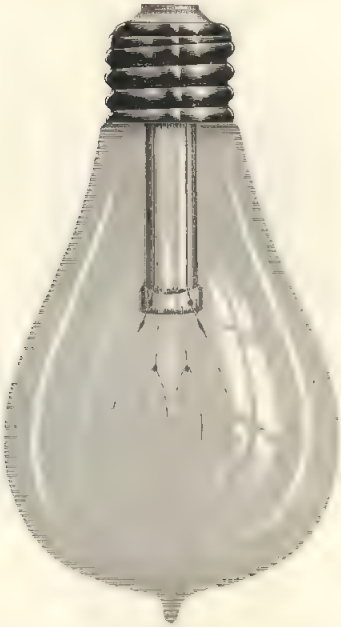
Extra Charge for Lamps to be Added to Above Prices for other than Edison or Westinghouse Base.

Thomson-Houston, United States, Brush-Swan Bases, ... Per Lamp, $0.01
Hawkeye Bases, ... Per Lamp, .02
Mather Perkins Ediswan or Schaeffer Bases, ... Per Lamp, .03

Standard Packages: 4 to 25 Candle Power Inclusive not Less than 200 Lamps: 32 to 50 Candle Power not Less than 100 Lamps. 100 to 150 Candle Power not Less than 20 Lamps. Standard Packages May Hold Lamps of Assorted Candle Power and Voltage.

Mill Type Lamp.

B. M. Co.'s Imperial.

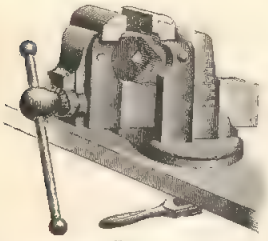


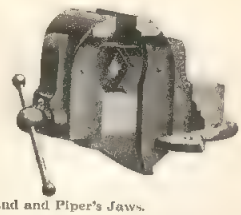
Full Size Cut.

Designed Specially for Mill and Factory use. The Filament is of the double coil type, with two Anchors at the Stem, will withstand the heaviest vibrations without damaging effects. No spreading of Filaments from Static Electricity, when Lamps are hung near running belts. The most durable Lamp for Lumber Mills, Flour Mills, Machine Shops, or any place where Lamps are subject to vibrations and Static changes.

Each, ... $0.40

Vises.





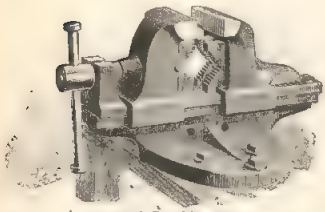
Parker's Combination Pipe, Round and Piper's Jaws.

No. 87—Swivel Bottom Width of Jaws 3⅜ in., Holding Pipe 2 in and Under. Each. $16.00

Weight, 41 Lbs. Each.

No. 88½—Stationary Bottom, Width of Jaws 4½ in., Holding Pipe 4 in and Under, Each $23.00
Weight, 94 Lbs Each

No. 89½—Stationary Bottom, Width of Jaws 5⅝ in., Holding Pipe 6 in and Under, 35.00
Weight, 141 Lbs. Each



Armstrong's Combination.

Armstrong's, Width of Jaws 3½ in, Holding Pipe 2 in and Under, Each $15.00
Weight, 32 Lbs. Each.

Malleable Iron Pipe Vises.

Nos.,	1	2
Holds Pipe,	⅛ to 2	⅛ to 3
Weight Each, Lbs.,	18	27
Each,	$10 00	14.00

Swivel Pipe Grips.

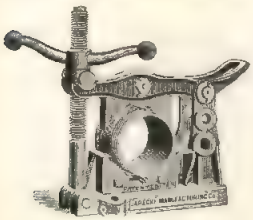
New Peerless.

No. 1—Pipe Grips, For Vise Jaws 3 to 4¾ in., Hold Pipe ½ to 2½ in., Weight, 7 Lbs Per Set, Per Set $2 50
No. 2—Pipe Grips, For Vise Jaws 5 to 6¾ in., Hold Pipe ½ to 3 in., Weight, 9 Lbs Per Set, 2 75

Malleable Iron Pipe Vise.

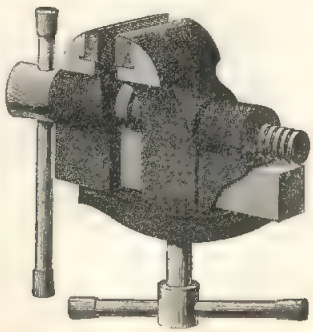
Each

No. 3—Holds Pipe, ⅛ to 4½ inches. . . $18.00



Malleable Iron Patent Pipe Vise.

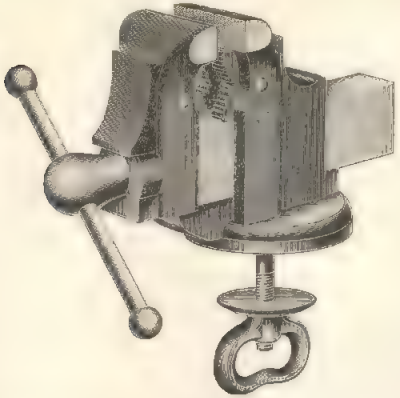
No.	1A	2A	3A	4A
Takes, Pipe, Size, In.,	⅛ to 2	⅛ to 4	1½ to 6	6 to 10
Each.	$12.00	16.00	24.00	60 00
Handles, each	1.25	1 50	2.50	
Beams, each,	1.00	1.00	1.50	
Trunnion Washer, ea.,	.50	.50	.75	
Jaws, each,	1.00	1.50	2.00	
Screw, each,	2.25	2.50	4.25	
Frame, M, each,	4.00	6.00	9 00	



Heavy Bench Vise.

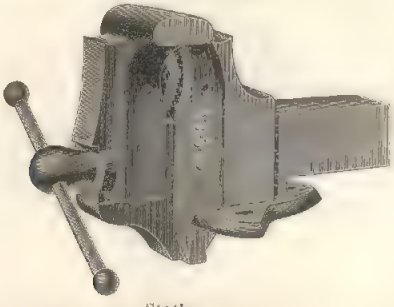
5 inch Jaw for Pipe ⅛ to 6 inch, each, ... $18.00

Parker's Combination Vises.



Swivel.

		Each
No. 07	Swivel Bottom. Width of Jaws 3⅜ inches. Holding Pipe 2 inch and under. Weight, 39 Lbs. Each.	$16.00
No. 08	Swivel Bottom, Width of Jaws 4½ inches. Holding Pipe 3 inch and under, Weight 57 Lbs. Each.	20.00



Stationary

		Each
No. 08½	Stationary Bottom. Width of Jaws 4¾ in., Holding Pipe 4 inch and under, Weight, 75 Lbs. Each.	28.00
No. 09½	Stationary Bottom, Width of Jaws, 5⅜ in., Holding Pipe 6 in. and under, Weight, 129 Lbs. Each.	35.00

Perkins' Shingle Packer.

Square Bunches.

You Get Them Every Time By Using

The Perkins' Shingle Packing Box.

It is made over a true form of the exact size of the bunch required, and is of the best material and workmanship.

Every Joint is Double Locked and Bolted, so they can be tightened up at any time if they get racked loose.

Turning down the End Board to remove the Bunch, spreads the Jaws apart, so that neither the Packer's temper nor Bunch are strained out of square.

The End-Board has two heavy iron Clasps to prevent sides from spreading when crowding in Shingles. Back leg reaches to top of Packer. Cast Iron Box for Hammer and Nails.

20 in., 25 courses; 22 in., 22½ courses; 25 in., 20 courses.

We make these Machines 20, 22 and 25 inches wide. It is adjustable for 16 or 18 inch shingles. Size, 2 ft. 8 in. by 2 ft. 6 in. Weight, 170 Lbs.

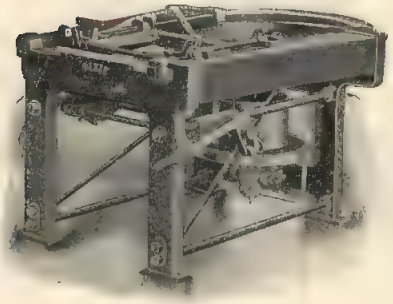
Shingle Packers are made either with Hand Lever or Foot Lever, as desired, at same price; never with both.

Unless otherwise ordered, the Hand Lever will be furnished.

Quantity packed per day, 20 to 50 M.

Price on Application.

Curtis Shingle Machinery.



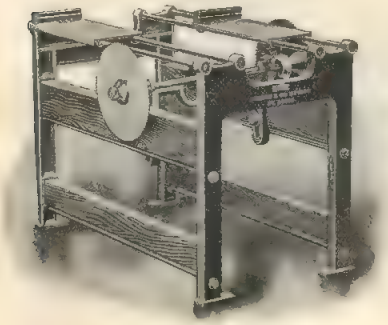
1901 Model Dixie Hand-Feed Shingle Machine.

Average daily capacity from 20,000 to 40,000 Standard Shingles.

Cuts, 16 or 18 inch Shingles.
Carries, 36 or 38 inch Saws.
Frame, Perfectly rigid.
Arbor, 2 7-16 inches diameter.
Pulley, 12 x 8 inches—1300 revolutions.
Fly-Wheel, 20 inches, weight 130 lbs.
Boxes, Self-oiling and self-adjusting.
Arbor, Runs in an oil-bath.
Step-Box, Adjustable
Carriage, Steel with Roller Bearings.
Tilt Works, Automatic.
Quick-drop. Perfectly adjustable.

Weight, Shingle Machine, one 36 Inch Saw and Collar, 1050 Pounds.

Dixie Knot Saw Machine.



Shipping Weight 300 Pounds.

Frame, Two solid Castings, strong Timbers and heavy through Bolts.
Arbor, 1 3-16 inches diameter. Runs in solid Yoke Frame.
Arbor Frame, has 4 inch adjustment.
Saws, 14 inches diameter. 23 inches apart.
Pulley, 4 x 4½ inches. Should run 3,000 revolutions.
Carriages, Malleable Iron and Steel. Very light. Has spring gauge buttons for dimension shingles.
Machine, is thoroughly well built.

Price on Application

Dixie Shingle Buncher.

Shipping Weight, 200 Pounds.

Frame, entirely of Iron, with strong cross braces.
End Boards, of Oak, one hinged. Of Oak, one solid. Arranged to pack either 16 or 18 inch shingles.
Bunching, One lever does it. All bunches same size.
Machine, insures square bunches. Very quick and handy.

Curtis Power Shingle Knife.

Frame—Heavy cast iron.
Table—Plated on edge with steel.
Sash—Of cast steel.
Knife—Standard 22¼ inches.
Tilt—Adjustable for any thickness.
Adjustment—All parts easily adjusted.
Capacity—Up to 50,000 daily.
Grade—Better shingles than sawn.
Pans—Steam boxes carried in stock.

This machine may be driven by horse power. Additional weight of horse power, 900 pounds.

Shipping Weight Complete, 1125 Pounds.

Curtis Knee Bolter.

Carries 50-Inch Saw. Shipping Weight, with Saw, 1200 Pounds

Arbor—2⅞ inches diameter, 42 inches long, with solid welded steel saw collar, 6 inches diameter self oiling Arbor boxes.
Drive Pulley—14 inch diameter 12-inch face 850 revolutions.
Fly Wheel—24 inch diameter, turned 95 pounds.
Table—28 inches long, 27 inches wide, made of white oak, faced with steel, ¼ inch thick, with hold down track.
Rollers—6 inch diameter, self oiling boxes, steel track.
Saws—50 inch furnished. As large as 60 inch can be used.
Frame—Is made from 6x8 inch and 6x6 inch seasoned yellow pine, securely framed and bolted together. The space occupied is 5 ft. x 8 ft.

Hand Shingle Machine.

Shipping Weight, Machine Complete, 300 Pounds.

Our Hand Shingle Machine consists of Sash, Slides and Knife, 22½ inches, which are attached to a frame of wood, strongly made and bolted together. The table where the block rests is edged with steel to prevent wear. Motion is given to the knife by a double lever attached to the sash and table. It has also an adjustable backing which can be changed so as to give proper thickness to the shingle. The block rig is pivoted, and the butts and points of the shingle can be reversed without turning the shingle block.

Marshall-Wells Hardware Co.

Tubular Poles and Pole Fittings.

for

Electric Railways, Telegraph and Telephone Lines.

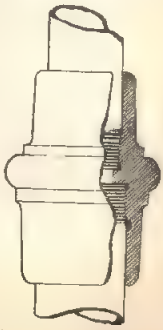
Telegraph Pole.

Ornamental Scroll Bracket, for Wood and Iron Poles.

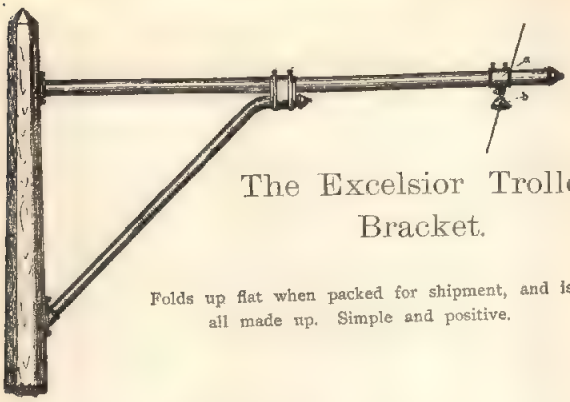
Trolley Pole.

Prices on Application.

Trolley Brackets.



Simmons' Pole Coupling.

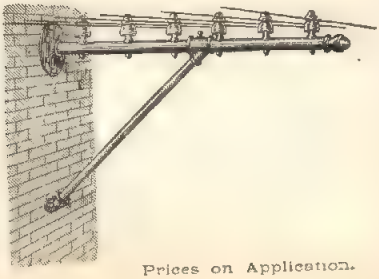


The Excelsior Trolley Bracket.

Folds up flat when packed for shipment, and is all made up. Simple and positive.

Ornamental Brackets

For all purposes made to order.



Telephone and Telegraph Brackets

Of every description made to order.

Prices on Application.

Special Bracket and Pole Fittings

FOR

Electric Light and Power Plants and Railways.

No. 181.
Tee Angle Bracket

No. 186.
Bracket Loop
for Bent Braces.

No. 180.
Pole Flange
Curved.

No. 183.
Angle Bracket
Flange 45°

No. 182.
Trolley Loop
Hanger

No. 184.
Reducing Coupling
for Light Poles.

Heavy Curved
Flange.

No. 187.
Oval Flange.

PLOWS

No 6 WESTERN RAILROAD AND TOWNSHIP PLOW

No. 6

The No. 6 Plow is made for light railroad and township use; is a very strong two-horse plow. The beam is made of specially selected young shellbark hickory, strongly strapped with iron, which extends from the clevis back and down to the standard. Handles are made of second-growth white oak, the hand holds are made of round iron; the landside handle is plated with iron on the outside from the landside up to the beam. Share and moldboard are made of best plow steel, and both double shinned. Coulter is made reversible, so that when one end is worn out the other end can be put to use; consequently, it will wear as long as two ordinary coulters. Clevis is of steel, hand made and is furnished with two wrought iron rings

We ship right hand plows unless otherwise ordered.

Two-horse, 11-inch cut, with extra Share weight 100 lbs $25 00
Additional extra Share for above 1 00

No. 5 WESTERN RAILROAD PLOW

The No. 5 Plow is made for medium railroad work is the strongest plow of its size ever built. The beam is made of hickory, strongly strapped with iron which extends from the clevis back and down to the standard. Handles are made of second growth white oak, the handholds are made of round iron and curved, and both are strapped with iron on the outside, which runs full length of the handles. Share and moldboard made of best plow steel, both double shinned. Coulter is reversible, so that when one end is worn out the other end can be put to use; consequently, it will wear as long as two ordinary coulters. Clevis is made of steel, handmade and is furnished with two wrought iron rings.

No 5

No. 5. Plow Four horse, 11-inch cut, with extra Share, weight 150 lbs. $25 00
Additional extra Share for above. 5 00

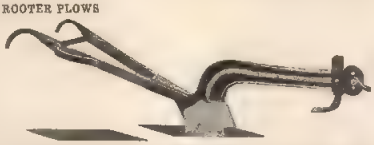
No. 16 WESTERN ALL-STEEL ROAD PLOW

No. 16

No. 16 Road Plow corresponds in size to No. 6; is intended for heavy township and light railroad work. The beam is made of steel. Handles of steel angle bars, strongly braced to beam. Share and moldboard made of best plow steel, and both double shinned. Coulter is reversible, so that when one end is worn out the other end can be put to use; consequently, it will wear as long as two ordinary coulters. Clevis is of steel, hand made. No. 15 All-Steel Plow is built same as above, excepting that it corresponds in size to No. 5 Plow.

No. 16 Plow Two-horse, 11-inch cut, with extra Share, weight 120 lbs. $27 50
No. 15 Plow. Four-horse, 11-inch cut, with extra Share weight 150 lbs. 32 50
Additional extra Share for No. 16 Plow. 4 00
" " " " 15 " 5 00

WESTERN ROOTER PLOWS



The Western Rooter is designed for tearing up turnpikes, macadamized streets, cemented walks, hardpan, rock and frost. No other Rooter plow has as long beam and the steel faced shoe.

The points are made of best tool steel and are reversible, as shown in cut, which with the extra point, makes practically four points with each plow. May be taken out and replaced easily. The clamp castings holding the point are entirely separate from the beams and can be replaced at slight cost. No wear whatever comes on the beam, as is the case with some other makes. The plow runs steadily on account of the long beam. Each handle is equipped with a guard to protect it when dragging

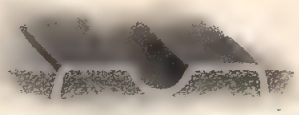
The No. 25 Rooter has wood beam, steel upright and steel cheek plates.

No. 20. Western Rooter with extra point, suitable for four to six horses, 300 lbs. $40 00
Additional extra point, 20 lbs. 5 00
No. 25. Western Rooter with extra point, suitable for twelve horses or traction engine of equal power 70 00
Additional extra point. 10 00

INDUSTRIAL AND PORTABLE RAILWAYS

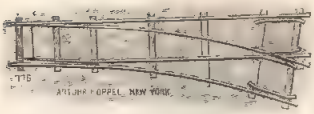
TRACKS AND SWITCHES

STEEL RAILS
8 to 60 lbs. per Yard

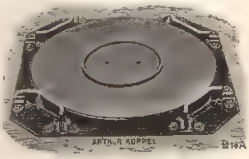


STEEL TIES
7 to 18 lbs. per Yard

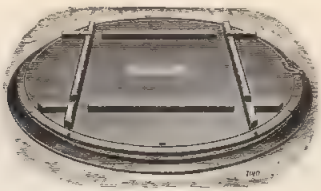
PORTABLE TRACK IN SECTIONS 13 FEET LONG
Mounted on 5 Steel Ties, Made-up Rails 8 to 25 lbs.



PORTABLE SWITCH



CAST IRON TURNTABLE
For Light Weights

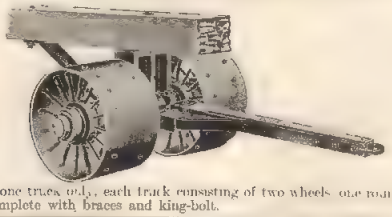


CAST IRON TURNTABLE
Capacity up to 5 Tons

Carrying capacity of portable track is as follows:
9 lb. Rails 1 to 2 tons — 16 lb. Rails 3½ to 5 tons.
12 " " 2 " 3½ " —20 " " 5 " 7 "

These capacities refer to four wheel car, eight wheel car has double capacity. Prices on application

ALL-STEEL HOUSE-MOVING TRUCKS



These prices are for one truck only, each truck consisting of two wheels, one round steel axle with bolster attached, and tongue complete with braces and king-bolt.

Height of Wheel, Inches	Size of Steel Axle, Inches	With Tire 10 in. Wide and ⅝ in. Thick		With Tire 10 in. Wide and ¾ in. Thick		With Tire 12 in. Wide and 1⅛ in. Thick		With Tire 12 in. Wide and 1¼ in. Thick		Carrying Capacity per Truck, tons
		Price	Weight pounds	Price	Weight pounds	Price	Weight pounds	Price	Weight pounds	
24 or less	3½	$42.75	949	$44.25	999	$11.75	1015	$46.25	1075	15 to 20
24 or less	4	46.75	994	48.25	1044	48.75	1060	50.25	1120	20 to 25
26	3½	43.75	979	45.25	1037	45.75	1045	47.25	1109	15 to 20
26	4	47.75	1024	49.25	1082	49.75	1090	51.25	1154	20 to 25
28	3½	44.75	1015	46.25	1075	46.75	1085	48.25	1155	15 to 20
28	4	48.75	1060	50.25	1120	50.75	1130	52.25	1200	20 to 25
30	3½	45.75	1055	47.25	1119	47.75	1125	49.25	1195	15 to 20
30	4	49.75	1100	51.25	1164	51.75	1170	53.25	1240	20 to 25

Note.—The truck with wheels 24 in. high, 12x5½ in. tire and 3½ in. steel axle is the standard.

We also furnish these trucks constructed on the plans as above, only with hickory axles fitted with cast or steel skeins and oak bolster, though we recommend the steel construction. If you do not want the complete truck we can furnish the wheels and axles, or merely the wheels with hub to fit axle you already have.

Our house-moving wheels are a type especially designed for this class of work. The tires and spokes are wrought steel, and the hub is made of cast iron. We furnish these wheels of any height and any width or thickness of tire.

Below we give the prices of wheels and different parts of the wood and steel trucks, and you can figure the price of complete trucks by adding together the prices of the different parts.

PRICES OF HOUSE-MOVING TRUCK WHEELS

These Prices and Weights are for one Wheel Only.

Height of Wheel, Inches	With Tire 10 in. Wide and ⅝ in. Thick		With Tire 10 in. Wide and ¾ in. Thick		With Tire 12 in. Wide and 1⅛ in. Thick		With Tire 12 in. Wide and 1¼ in. Thick		Carrying Capacity of Two Wheels, tons
	Price	Weight pounds	Price	Weight pounds	Price	Weight pounds	Price	Weight pounds	
24 or less	$10.00	272	$10.75	297	$11.00	305	$11.75	335	15 to 25
26	10.50	287	11.25	316	11.50	320	12.25	352	15 to 25
28	11.00	305	11.75	335	12.00	340	12.75	375	15 to 25
30	11.50	325	12.25	357	12.50	360	13.25	395	15 to 25

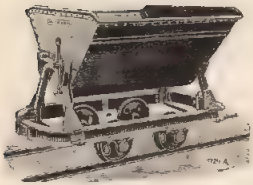
PRICES OF AXLES, BOLSTERS AND TONGUES

	Price Each	Weight pounds	Carrying Capacity per Axle, tons		Price Each	Weight pounds	Carrying Capacity per Axle, tons
Hickory axles fitted with 5x14 in cast skein	$8.25	125	10	3½ in. round steel axle	$10.50	140	14
Hickory axles fitted with 5x14 in steel skein	13.50	120	12	3¾ in. round steel axle	12.00	165	16
3 in. square steel axle	9.50	130	12	4 in. round steel axle	14.50	185	20
3¼ " " " "	13.50	180	16	12 ft. tongue with braces	6.00	100	
3¾ " " " "	16.25	210	18	5 ft. " " "	4.50	70	
4 " " " "	18.50	230	22	Iron bolster with fittings	7.00	180	
3 " round " "	7.15	110	11	Wood " " "	5.00	70	

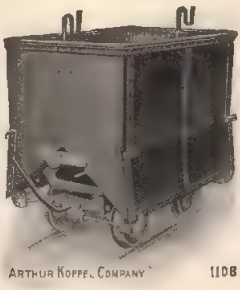
The above axles are from 42 in. to 45 in. long over all. The hickory axles are fitted with the best grade of cast and steel skeins with nuts. Steel axles are made of the best grade of axle steel, have collars shrunk on and are fitted with cap and pin. The price of bolsters includes fittings, *i. e.*, king-bolt, braces, etc.

INDUSTRIAL AND PORTABLE RAILWAYS

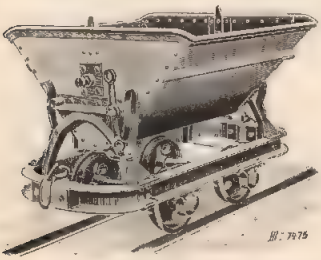
CARS



No. 1723
Double Side Wheel Dump Car Cradle Type

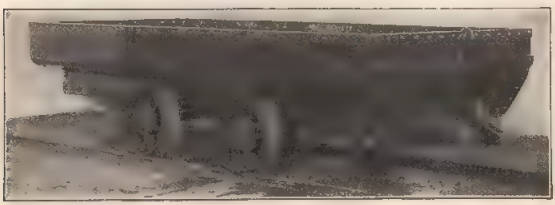


No. 1108 E
Gable or Saddle Bottom Ore Car



No. 7475
Double Side Wheel Dump Car Rocker Type

No. 109 A
Platform Car



No. 7691
Steel Coal Mine Car

Prices on application.

Green River Screw Plates.

No. 1 ¼ Set—7 Sizes Taps, Dies and Guides, with 22 in. Stock, Diam of Dies, 2¼ in.

Sizes.	Inches,	¼	5/16	⅜	7/16	½	9/16	⅝	Each
	Threads,	20	18	16	14	12	11	10	$13 00

Weight, 11¼ Lbs. Per Set, With Case.

No. 2 Set—7 Sizes Taps, Dies and Guides, with 23 in Stock, Diam. of Dies, 2⅝ in.

Sizes.	Inches,	¼	5/16	⅜	7/16	½	9/16	⅝	Each
	Threads,	20	18	16	14	12	11	10	$15 25

Weight, 16 Lbs. Per Set, With Case.

No. 4 Set—7 Sizes Taps, Dies and Guides, with 29 in Stock, Diam. of Dies, 3⅜ in.

Sizes.	Inches,	⅜	7/16	½	9/16	⅝	¾	1	Each
	Threads,	18	14	12	11	10	9	8	$20 00

Weight, 17 Lbs. Per Set, With Case.

No. 5 Set—8 Sizes Taps, Dies and Guides with 29 in Stock, Diam of Dies, 2⅝ in

Sizes.	Inches,	¼	5/16	⅜	7/16	½	⅝	¾	1	Each
	Threads,	20	18	16	14	12	11	10	8	$23 00

Weight, 23 Lbs. Per Set, With Case.

No. 7 Set—9 Sizes Taps, Dies and Guides, with 35 in Stock, Diam. of Dies, 3⅝ in

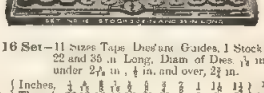
Sizes.	Inches	⅜	7/16	½	⅝	¾	⅞	1	1¼	1½	Each
	Threads,	16	14	12	11	10	9	8	7	7	$30 00

Weight, 31 Lbs. Per Set, With Case.

No. 13 Set—9 Sizes Taps, Dies and Guides, 1 Stock each, 22 and 29 in Long Diam of Dies, ½ in and under 2¼ in., ⅝ in and over, 3⅛ in

Sizes,	Inches	¼	5/16	⅜	7/16	½	⅝	¾	1	Each
	Threads	20	18	16	14	12	11	10	8	$25 00

Weight, 34 Lbs. Per Set, With Case.



No. 16 Set—11 Sizes Taps, Dies and Guides, 1 Stock each, 22 and 35 in Long, Diam of Dies, ⅝ in and under 2¼ in., ¾ in. and over, 3⅛ in.

Sizes,	Inches,	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1	1¼	1½	Each
	Threads	20	18	16	14	12	11	10	9	8	8	7	$36 00

Weight, 36 Lbs. Per Set, With Case.

1/32 in. Oversize, V Thread.

Green River Screw Plates.

Set No. 0, Fig. 150.

5 Sizes Taps, Dies and Guides, with Stock and Tap Wrench (Fitting in Stock)

Sizes.	Inches,	1/4	5/16	3/8	7/16	1/2	Each
	Threads,	40	36	32	28	24	$5.50

Set No. 0, Fig. 151.

5 Sizes Taps, Dies and Guides, with Stock and Tap Wrench (Fitting in Stock)

Sizes.	Screw Gauge Sizes,	4	6	8	10	12	Each
	Threads,	36	32	32	24	24	$5.50

No. 1½ Set—5 Sizes Taps, Dies and Guides with 18 Inch Stock

Sizes.	Diameter of Dies 2⅛ inches						
	Inches	1/4	5/16	3/8	7/16	1/2	Each
	Threads	24	20	18	16	14	12	$11.00

No. 50 Set—9 Sizes Taps, Dies and Guides with 29 Inch stock

Sizes.	Diameter of Dies 2¾ inches								
	Inches.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	1	Each
	Threads.	20	18	16	14	12	11	10	8	$23.00

A—Above Exact Size V Thread

Extra Dies.

V Thread, ¼ inch Oversize.

Lightning.

Sizes.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	1	1¼
Threads.	20	18	16	14	13	10	11	10	8	7
Diameter in.	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	2 3/16	2 3/16	2 3/16
Price each.	1.00	1.00	1.15	1.30	1.50	1.75	1.75	2.00	2.50	3.00	4.00

Above dies for full mounted screw plates

Green River Dies and Guides. Complete 3 3/16 Diam

Sizes.	1/4	1	1¼	1½	1¾	1¼
Threads.	9	8	7	7	6	6
Price each.	2.75	3.25	3.75	4.25	4.75	5.25

Green River, (Dies Only)

2 4/4 inches Diameter.

Sizes.	1/4	5/16	3/8	7/16	1/2	9/16	5/8
Threads.	20	18	16	14	12	11	10
Price each.	1.25	1.25	1.50	1.50	1.50	1.75	2.00

2¾ inches Diameter.

Sizes.	1/4	5/16	3/8	7/16	1/2	9/16
Threads.	24	20	18	16	14	12	12
Price each.	1.25	1.25	1.25	1.50	1.60	1.60	1.60
Sizes.	1/4	1/4	1/4	1/4	1	1¼	1½
Threads.	10	11	10	9	8	7	7
Price each.	1.75	1.75	2.00	2.50	3.00	3.50	4.00

Above Dies Exact Size, Furnished Promptly from Factory

Extra Guides.

Sizes.	2 1/8 Diam.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	1	1¼	1½
	2¾ Diam.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	1	1¼	1½
Price each,												$ .25

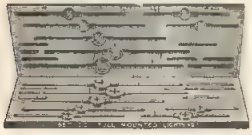
Extra Stocks.

22 Inches Long; for 2 4/4 Diam. Dies	Each
29 " " " 2¾ " "	$ 2.00
35 " " " 2¾ " "	2.00
53 " " " 3 3/16 " "	4.00
	6.00

Lightning Screw Plates.

No. A & A Set.
Complete, 5 Sizes Taps, Dies and Stocks.
Sizes, { Inches, 1/4 5/16 3/8 7/16 1/2 } Each $11 00
{ Threads, 20 18 16 14 12 }
Weight, 15 Lbs. Per Set, With Case.

No. BB Set.
Complete, 7 Sizes Taps, Dies and Stocks.
Sizes, { Inches, 1/4 5/16 3/8 7/16 1/2 9/16 5/8 } Each $16.00
{ Threads, 20 18 16 14 12 11 10 }
Weight, 27½ Lbs. Per Set, With Case.



No. CC Set.
Complete, 7 Sizes Taps, Dies and Stocks.
Sizes, { Inches, 5/16 3/8 7/16 1/2 9/16 5/8 3/4 } Each $22 00
{ Threads, 16 14 12 11 10 9 8 }
Weight, 33 Lbs. Per Set, With Case.

No. CCC Set.
Complete, 9 Sizes Taps, Dies and Stocks.
Sizes, { Inches, 1/4 5/16 3/8 7/16 1/2 9/16 5/8 3/4 1 } Each $25 50
{ Threads, 20 18 16 14 12 11 10 9 8 }
Weight, 40 Lbs. Per Set, With Case.

All Above ½ in. Oversize, V Thread.

Oster Screw Plates.

Machinists' Screw Plates, V Thread, Exact Standard.

No. 21 Set. 8 Sizes Adjustable Guides, and 7 Sets of Dies in Oak Case, With Taps and Dies Complete,
Sizes, { Inches, 1/4 5/16 3/8 7/16 1/2 9/16 5/8 } Each $20.00
{ Threads, 20 18 16 14 12 11 10 }
Weight, 18 Lbs. Per Set, With Case.

Blacksmiths' Screw Plates, ½ in. Oversize, V Thread.

No. 31 Set. 8 Sizes Adjustable Guides, and 7 Sets of Dies in Shipping Box, With Taps and Dies Complete
Sizes, { Inches, 1/2 9/16 5/8 11/16 3/4 13/16 7/8 } Each $18 00
{ Threads, 20 18 16 14 12 11 10 }
Weight, 13 Lbs. Per Set.

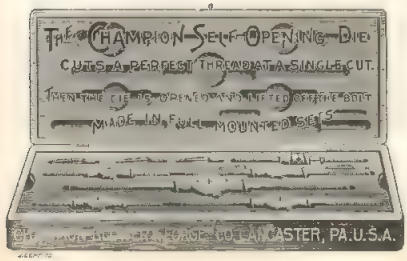
No. 32 Set. 10 Sizes Adjustable Guides, and 9 Sets of Dies in Shipping Box, With Taps and Dies Complete.
Sizes, { Inches, 1/2 9/16 5/8 11/16 3/4 13/16 7/8 15/16 1 } Each $28 00
{ Threads, 20 18 16 14 12 11 10 9 8 }
Weight, 19 Lbs. Per Set.

Champion Screw Plates.

"Easy" Screw Plate with Tap Wrench.

"Easy" Full-Mounted Screw Plate.

Champion Adjustable Tap Wrench



Self-Opening, Adjustable Die, Screw Plate. Full Mounted.

"Easy" Screw Plate with Tap Wrench.

No. 2B Has two Stocks, one 15½ inches long for the first two sizes, one 23 inches long for the larger sizes.

Size	¼	⅜	½	⅝	¾	Each
Threads.	20	16	12	11	10	$11 10

No. 5B Has two Stocks, one 15½ inches long for the first four sizes, one 23 inches long for the larger sizes.

Size	¼	5/16	⅜	7/16	½	⅝	¾	Each
Threads	20	18	16	14	12	11	10	$13.00

No. 7B—Has two Stocks, one 15½ inches long for the first four sizes, one 26 inches long for the larger sizes.

Size	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1	Each
Thds	20	18	16	14	12	11	10	9	8	$21.15

"Easy" Full Mounted Screw Plate.

No. 55 — With Adjustable Tap Wrench.

Size	¼	5/16	⅜	7/16	½	⅝	¾	Each
Threads	20	18	16	14	12	11	10	$15 00

No. 57 With Adjustable Tap Wrench.

Size	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1	Each
Thds	20	18	16	14	12	11	10	9	8	$24.40

Champion Adjustable Tap Wrench.

Nos. 1 2 and 3 take following Taps:

	Each
No. 1 ¼, 5/16, ⅜, 7/16, ½	$2.00
No. 2—¼, 5/16, ⅜, 7/16, ½, ⅝, ¾. .	2.50
No. 3—¼, 5/16, ⅜, 7/16, ½, ⅝, ¾, ⅞, 1	3.50

Self-Opening Screw Plate.

No. 305 — With Adjustable Tap Wrench.

Size	¼	5/16	⅜	7/16	½	⅝	¾	Each
Threads	20	18	16	14	12	11	10	$25.00

No. 307 — With Adjustable Tap Wrench.

Size	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1	Each
Thds	20	18	16	14	12	11	10	9	8	$41.30

All above Screw Plates, 1/32 over size. V Thread.

Complete in Box.

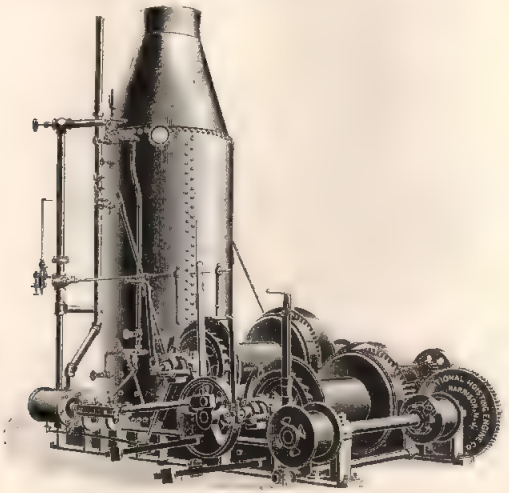
HOISTING ENGINES

Standard Double Cylinder, Double Friction Drum Hoisting Engine, with Boiler and Fixtures, with Patent Reversible Boom Swinging Drum This engine has no equal for boom derrick work, being so arranged that there is no fouling of lines Thus arrangement is far superior to pony drums, as lines have always the same tension, one winding up, while the other is unwinding. The operating lever is arranged in a quadrant, with notches convenient to the engineer to handle so that he can hoist and swing the boom simultaneously The swing drum is made detachable and can be taken off and the engine used for pile driving, etc

Foot Brakes furnished when ordered

All engines are built on the Duplicate Part System.

Every engine thoroughly tested with steam before leaving the works.



DOUBLE CYLINDER, DOUBLE FRICTION DRUM HOISTING ENGINE, WITH BOILER AND PATENT REVERSIBLE BOOM-SWINGING DRUM

Size No of Engine	H P Usually Rated	Dimensions of Cylinder	Dimensions of Drums	Weight Hoists Single Line	Weight Hammer Quick Work	Dimensions of Boilers				Shipping Weight Complete pounds
						Diameter Inches	Height Inches	No of Tubes 2 in. Diam	Length of Tubes	
124	12	5½x10	12x20	3,000	2,000	34	84	60	56	8,000
126	16	6¼x10	14x22	4,000	2,500	36	84	65	56	8,750
128	22	7¼x10	14x26	6,150	3,000	40	90	85	62	10,550
130	28	8 x10	14x28	7,000	4,000	42	96	90	68	11,300
131	40	9 x12	16x30	9,000	5,000	48	102	142	74	16,800
131¼	45	9 x13	16x30	9,500	5,500	48	102	142	74	17,300
131½	50	10 x12	18x32	10,500	6,000	50	102	155	74	19,500
131¾	55	10 x13	18x32	12,500	6,500	50	102	155	74	20,000

Prices on application.

HOISTING ENGINES

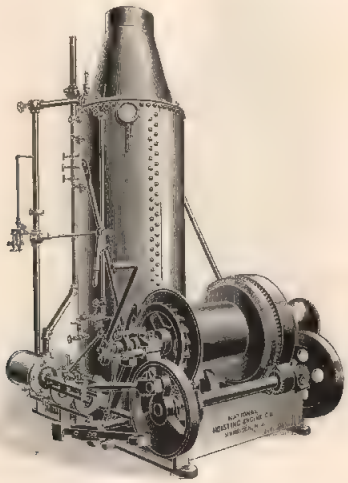
We illustrate here a few types of the most popular Engines of the National Hoisting Engine Co., whose Western Agents we are

Standard Single Cylinder, Portable Hoisting Engine is equipped with all our latest improvements, which is adapted for all general hoisting purposes, especially for hod and wheelbarrow platform elevators in buildings Some contractors prefer the single cylinder for pile driving for light work A winch head is mounted on the outer end of drum shaft, which is used for hoisting the piles, this can be used for running a saw table, centrifugal pump, etc., as the balance wheel on end of engine shaft is used for a belt.

All our Engines are Built on the Duplicate Part System.

Every Engine thoroughly tested with steam before shipment

We also furnish this Engine with double cylinders and with link reversing motion.

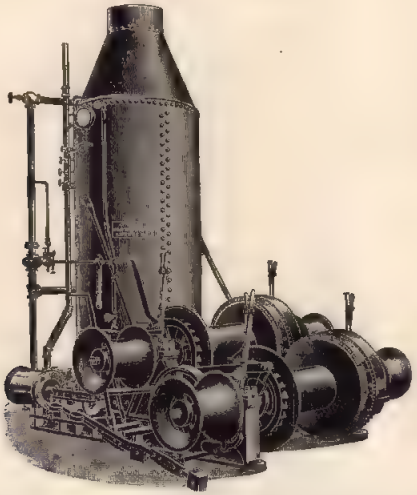


SINGLE CYLINDER, SINGLE FRICTION DRUM HOISTING ENGINE WITH FOOT BRAKE, BOILER AND FIXTURES COMPLETE

Size No. of Engine	H. P. Usually Rated	Dimensions of Cylinder	Dimensions of Drums		Weight Hoisted Average Speed pounds	Suitable Weight of Pile Driving Hammers for Quick Work pounds	Dimensions of Boilers				Estimated Shipping Weight with Boiler complete, lbs.
			Diameter Inches	Length Inches			Diameter Shell Inches	Height Shell Inches	No. of Tubes 3 Inches	Length of Tubes Inches	
118	6	5½x10	12	18	1,500	1,200	28	68	40	42	4,500
119	8	6¼x10	14	20	2,000	1,600	32	80	55	52	5,000
120	11	7¼x10	14	22	2,500	2,000	34	84	60	56	5,800
121	14	8 x10	14	24	3,500	2,500	36	84	65	56	6,400
122	20	9 x12	16	28	4,500	4,000	40	90	85	62	8,500
123	22	9 x13	16	28	6,000	4,400	40	90	85	62	8,800

Prices on Application.

HOISTING ENGINES



Double Cylinder, Double Friction Drum Hoisting Engine, with Four Independent Clutch Winches

We show a type of an engine that is being used extensively for general construction and bridge erection work It is a combination of the Winch Engine with friction drums for ordinary hoisting purposes The engine has double friction drums with brakes and ratchets and pawls An independent winch head specially designed for bridge erection purposes is mounted on each end of the drum shafts these winch heads are loose on the shafts and are operated by jaw clutches having levers and notched quadrants. Levers for operating the friction drums and foot levers for operating Brake Bands are brought forward as shown on cut Convenient for engineer to operate.

All Engines are Built on the Duplicate Part System.

Every Engine is thoroughly tested with steam before leaving the works.

Size No. of Engine	H. P. Usually Rated	Dimensions of Cylinder	Dimensions of Drums	Weight Hoisted Single Line	Weight Hammer Quick Work	Dimensions of Boilers				Shipping Weight Complete, Lbs.
						Diam. Inches	Height Inches	No. of Tubes 2 in. Diam.	Length of Tubes	
286	12	5½x10	12x20	3,000	2,000	34	84	60	56	7,600
288	16	6¼x10	14x22	4,000	2,500	36	84	65	56	8,600
290	22	7¼x10	14x26	6,150	3,000	40	90	85	62	10,700
292	28	8 x10	14x28	7,000	4,000	42	96	90	68	11,500
294	40	9 x12	16x30	9,000	5,000	48	102	142	74	17,000
296	45	9 x13	16x30	9,500	5,500	48	102	142	74	17,300
298	50	10 x12	18x32	10,500	6,000	50	102	155	74	20,000
300	55	10 x13	18x32	12,500	6,500	50	102	155	74	20,700

Prices on Application.

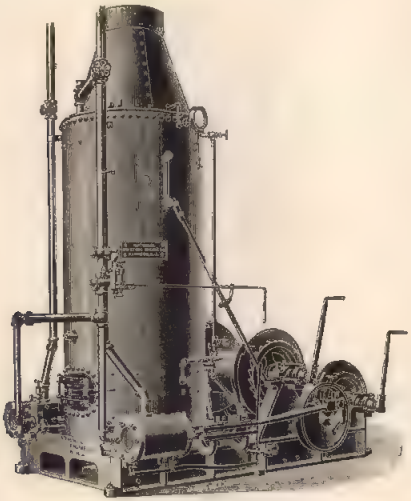
HOISTING ENGINES

Standard Double Cylinder, Double Friction Drum Hoisting Engine, with Boiler and Fixtures, with Double Winch. This Engine is universally adopted for Pile Driving, Sewer Construction, Bridge Building, Railroad Work, Quarrying, and all general hoisting work where double drums are required.

Foot brakes furnished when ordered.

All Engines are Built on the Duplicate Part System.

Every Engine is thoroughly tested with steam before leaving the works.



DOUBLE CYLINDER DOUBLE FRICTION DRUM HOISTING ENGINE WITH BOILER

Size No. of Engine	H. P. Usually Rated	Dimensions of Cylinder	Dimensions of Drums	Weight Hoisted Single Line	Weight Hammer Used in Work	Dimensions of Boilers				Shipping Weight Complete pounds
						Diameter Inches	Height Inches	No. of Tubes 2 Inch Diameter	Length of Tubes	
190	12	5½x10	12x20	3,000	2,000	34	84	80	56	7,000
192	16	6¼x10	14x22	4,000	2,400	36	84	65	56	7,750
194	22	7½x10	14x26	6,150	3,000	40	90	85	62	9,570
196	28	8 x10	14x28	7,050	4,000	42	96	90	68	10,340
197	40	9 x12	16x30	9,000	5,000	48	102	142	74	15,400
197½	45	9 x13	16x30	9,500	5,500	48	102	142	74	15,700
197½	50	10 x12	18x32	10,300	6,000	50	102	155	74	18,400
197¾	55	10 x13	18x32	12,500	6,500	50	102	155	74	18,700

Prices on application.

Steam Engines.

Automatic Engine Arranged for Direct Connection to Generator.

Prices and Dimensions of Erieco Automatic Engines.

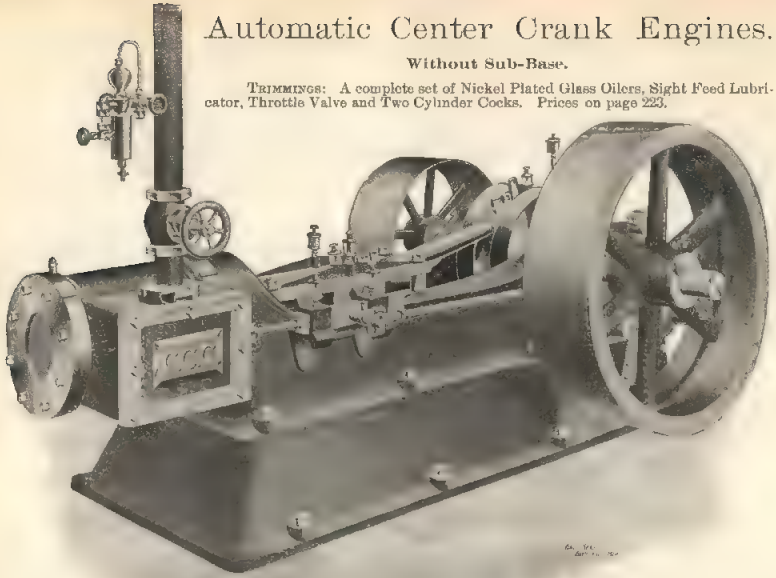
Cylinders		Price Complete on Regular Base	Price of Direct Connected Engine	Price of Regular Base	Size of Both Wheels		Size of Steam Connections		Over all Dimensions for Belted Engines		Size of Crank Shaft		Length of Each Main Bearing, In.	Size of Crank Pin		Size of Cross Head Pin		Approx. Weight of Regular Engine on Base, Lbs.	Approx. Weight of Regular Base, Lbs.
Diam. In.	Stroke, In.				Diam. In.	Face, In.	Steam, In.	Exhaust, In.	Length, In.	Width, In.	In Bearings, In.	In Wheels In.		Diam., In.	Length, In.	Diam. in.	Length, in.		
5	6	$280 00	$430 00	$20 00	24	6	$1\frac{1}{4}$	2	48	30	$2\frac{1}{2}$	$2\frac{1}{2}$	5	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	2	1200	300
5	6	300 00	450 00	20 00	24	6	$1\frac{1}{2}$	2	48	30	$2\frac{1}{2}$	$2\frac{1}{2}$	5	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	2	1200	300
7	6	320 00	470 00	20 00	24	6	2	$2\frac{3}{8}$	48	30	$2\frac{1}{2}$	$2\frac{1}{2}$	5	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	2	1200	300
7	8	800 00	950 00	40.00	36	$8\frac{1}{2}$	2	$2\frac{1}{2}$	71	$45\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{4}$	7	$3\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	3500	600
8	8	830 00	980 00	40 00	36	$8\frac{1}{2}$	$2\frac{1}{2}$	3	71	$45\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{4}$	7	$3\frac{1}{2}$	$3\frac{1}{2}$	2	$2\frac{1}{2}$	3500	600
9	8	860.00	1010 00	40 00	36	$8\frac{1}{2}$	3	$3\frac{1}{2}$	71	$45\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{4}$	7	$3\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	3500	600
9	10	1060 00	1260 00	60 00	42	$10\frac{1}{2}$	3	4	$89\frac{1}{2}$	$52\frac{1}{2}$	$4\frac{1}{2}$	4	9	$4\frac{1}{2}$	$4\frac{1}{2}$	3	3	5500	700
10	10	1090 00	1290.00	60 00	42	$10\frac{1}{2}$	3	4	$89\frac{1}{2}$	$52\frac{1}{2}$	$4\frac{1}{2}$	4	9	$4\frac{1}{2}$	$4\frac{1}{2}$	3	3	5500	700
11	10	1120 00	1320 00	60 00	42	$10\frac{1}{2}$	$3\frac{3}{16}$	4	$89\frac{1}{2}$	$52\frac{1}{2}$	$4\frac{1}{2}$	4	9	$4\frac{1}{2}$	$4\frac{1}{2}$	3	3	5500	700
10	12	1620 00	1870.00	90 00	54	13	$3\frac{3}{16}$	$4\frac{1}{2}$	108	63	$5\frac{1}{4}$	$4\frac{1}{2}$	9	$5\frac{1}{2}$	5	$3\frac{1}{2}$	4	10000	1250
11	12	1660 00	1910 00	90 00	54	13	$3\frac{3}{16}$	5	108	63	$5\frac{1}{4}$	$4\frac{1}{2}$	9	$5\frac{1}{2}$	5	$3\frac{1}{2}$	4	10000	1250
12	12	1700 00	1950 00	90 00	54	13	4	5	108	63	$5\frac{1}{4}$	$4\frac{1}{2}$	9	$5\frac{1}{2}$	5	$3\frac{1}{2}$	4	10000	1250
13	12	1740 00	1990 00	90 00	54	13	4	6	108	63	$5\frac{1}{4}$	$4\frac{1}{2}$	9	$5\frac{1}{2}$	5	$3\frac{1}{2}$	4	10000	1250
12	14	2100 00	2370 00	120 00	60	$14\frac{1}{2}$	4	6	123	69	6	$5\frac{3}{4}$	$10\frac{1}{2}$	$6\frac{1}{2}$	$5\frac{1}{2}$	$4\frac{3}{8}$	$4\frac{1}{2}$	14000	1500
13	14	2150 00	2420 00	120 00	60	$14\frac{1}{2}$	$4\frac{1}{2}$	6	123	69	6	$5\frac{3}{4}$	$10\frac{1}{2}$	$6\frac{1}{2}$	$5\frac{1}{2}$	$4\frac{3}{8}$	$4\frac{1}{2}$	14000	1500
14	14	2200 00	2470 00	120.00	60	$14\frac{1}{2}$	$4\frac{1}{2}$	7	123	69	6	$5\frac{3}{4}$	$10\frac{1}{2}$	$6\frac{1}{2}$	$5\frac{1}{2}$	$4\frac{3}{8}$	$4\frac{1}{2}$	14000	1500
15	14	2250 00	2520 00	120 00	60	$14\frac{1}{2}$	5	7	123	69	6	$5\frac{3}{4}$	$10\frac{1}{2}$	$6\frac{1}{2}$	$5\frac{1}{2}$	$4\frac{3}{8}$	$4\frac{1}{2}$	14000	1500

Marshall-Wells Hardware Co.

Automatic Center Crank Engines.

Without Sub-Base.

TRIMMINGS: A complete set of Nickel Plated Glass Oilers, Sight Feed Lubricator, Throttle Valve and Two Cylinder Cocks. Prices on page 223.



Automatic Center Crank Engine.

This engine is made in the same thorough manner as our Throttling Governor Engine, but is regulated by an improved device contained in the fly wheel. Automatic governors are now so generally used that we need give no lengthy description of its method of operation, but would call attention to its extreme simplicity, the parts being few and easily adjusted. The speed of the engine can be regulated either by altering the tension of the spring or by changing the position of the weights on the weight levers. Increasing the tension to increase the speed and decreasing it to run engine slower, or moving the weights nearer the fulcrum to increase the speed and nearer the end of the levers to reduce it. Moving the weights is always to be preferred where it is possible. Care must be taken to keep the valve and cylinder perfectly lubricated, for if the valve is allowed to run dry, it interferes with the smooth action of the governor. The shaft is large and bearings long, and all parts are strong enough for any kind of work.

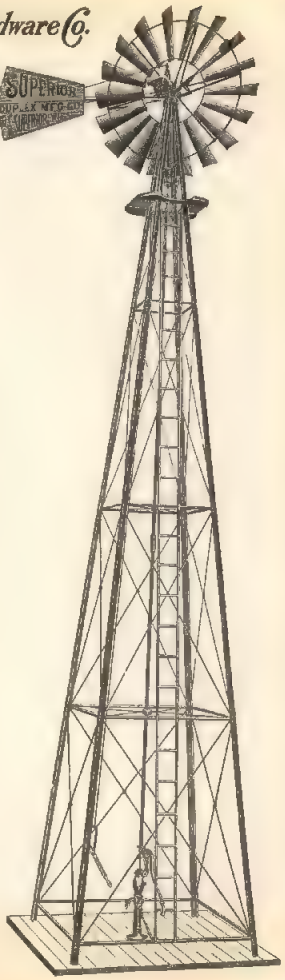
Dimensions and Horse Power of Automatic Center Crank Engines. Based on 80 Pounds Initial Pressure.

No.	HP	Cylinder		Shaft	Wheel		Pulley		Pipes		Rev.	Weight	Weight with Sub-Base
		Diam.	Stroke	Diam.	Diam.	Face	Diam.	Face	Steam	Exhaust			
AC00	5	4	5	$1\frac{1}{2}$	18	$4\frac{1}{2}$	12	$4\frac{1}{2}$	$\frac{3}{4}$	1	375	625	775
AC 0	6	$4\frac{1}{2}$	5	$1\frac{1}{2}$	18	$4\frac{1}{2}$	12	$4\frac{1}{2}$	$\frac{3}{4}$	1	375	675	825
AC 1	7	5	$6\frac{1}{2}$	2	20	6	14	$6\frac{1}{2}$	1	$1\frac{1}{4}$	300	750	975
AC 2	8	$5\frac{1}{2}$	$6\frac{1}{2}$	2	24	6	14	$7\frac{1}{2}$	1	$1\frac{1}{4}$	300	875	1100
AC 3	10	6	8	$2\frac{1}{2}$	30	$6\frac{3}{4}$	16	$6\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{1}{2}$	240	1100	1425
AC 4	12	7	8	$2\frac{1}{2}$	30	$6\frac{3}{4}$	18	$7\frac{1}{2}$	$1\frac{1}{2}$	2	240	1350	1675
AC 5	15	7	10	$3\frac{1}{8}$	35	$6\frac{3}{4}$	18	$8\frac{1}{2}$	$1\frac{1}{2}$	2	210	1500	2100
AC 6	20	8	10	$3\frac{1}{8}$	35	$6\frac{3}{4}$	20	$10\frac{1}{2}$	2	$2\frac{1}{2}$	210	1750	2350
AC $6\frac{1}{2}$	25	$8\frac{1}{2}$	10	$3\frac{1}{8}$	35	$6\frac{3}{4}$	20	$10\frac{1}{2}$	2	$2\frac{1}{2}$	225	2100	2750
AC 7	30	9	12	$3\frac{5}{8}$	40	$10\frac{1}{2}$	24	$10\frac{1}{2}$	$2\frac{1}{2}$	3	200	3200	4000
AC 8	35	10	12	$3\frac{5}{8}$	40	$10\frac{1}{2}$	24	$12\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	200	3500	4300
AC 9	40	10	14	$4\frac{1}{8}$	48	13	28	$12\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	200	4300	5800
AC $9\frac{1}{2}$	45	$10\frac{1}{2}$	14	$4\frac{1}{8}$	48	13	28	$12\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	200	4400	5900
AC10	50	11	14	$4\frac{1}{8}$	48	13	28	$14\frac{1}{2}$	3	4	200	4600	6100
AC11	60	12	14	$4\frac{5}{8}$	54	15	30	$14\frac{1}{2}$	3	4	200	5000	6500
AC12	70	12	16	$4\frac{5}{8}$	54	15	30	$16\frac{1}{2}$	3	4	200	5700	7400
AC13	85	13	16	$5\frac{1}{4}$	60	17	35	$14\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	200	6500	8500
AC14	100	14	16	$5\frac{1}{4}$	50	17	35	$16\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	200	7100	9100

Center Crank Automatic Engines.

No.	Plain	With Sub-Base	No	Plain	With Sub-Base
AC00	$165 00	$173 00	AC 7	$ 460 00	$ 500 00
AC 0	175.00	183.00	AC 8	510 00	550 00
AC 1	190.00	200.00	AC 9	560.00	615.00
AC 2	200 00	210 00	AC $9\frac{1}{2}$	610 00	665 00
AC 3	240 00	256 00	AC10	660 00	715 00
AC 4	270.00	285 00	AC11	760.00	815 00
AC 5	310 00	338 00	AC12	860 00	940 00
AC 6	360 00	388 00	AC13	1010 00	1090 00
AC $6\frac{1}{2}$	410.00	438 00	AC14	1160 00	1240 00

Steel Wind Mills.



This cut illustrates our 8 ft. Back Geared Mill on the 3-post Steel Tower. The 3-post tower is built on the same principle as the 4 post, only using 60 degree angle for the corner posts, and three corner posts instead of four. The same ladder is used, and it has the same general principles. It will be observed that in both our 3 and 4 post towers we use a heavy girt of angle steel at end of bottom section or at top of anchor posts, increasing carrying strain of the tower.

The **Pump Rod Guide,** while acting as a perfect guide to the pump rod, acts as a corner or angle brace to the tower posts, and prevents any flattening, crushing or twisting; in fact, overcomes that kind of a strain which is put upon a tower in a whirlwind or cyclone, and adds to its strength at least 20 per cent, in emorgencies where most needed.

The **Ladder** is made of ⅝x⅝ angle steel and securely riveted together before being galvanized, making the best looking, strongest and most complete ladder furnished with any steel tower on the market.

Thus we offer you a tower in which each 10 foot section is a complete structure in itself, strong, and rigidly held to the next section by the same key bolt, allowing no chance for the tower to swing or sway between the points where the Cord, Strut and Rafter of the structure connects, as is always the case where braces are attached to girts, and girts to corner posts, making a variety of fastenings within the space of 2 or 3 inches.

It also gives the dealer the chance of adding to or taking from his stock as his necessity may demand. To illustrate: If you have a 50 ft. tower in stock and have an order for a 30 ft., use the three top sections to fill your order; order a 30 ft. tower complete and you have your 50 ft. tower in stock again. The first, or upper 10 ft. section, may be used as a stub tower to replace a mill on an old wood tower, or it may be used as a sample tower to show a mill on a platform or in a yard.

Marshall-Wells Hardware Co.

Steel Towers.

THE ELK CIT, GOLD DREDGING COMPANY

3 Post Tower for 8 Foot Mill.

Our 3 post towers are built in 10 foot sections with girts every 10 feet. The corner posts are 2½x2½ angles and when listed as No. 0 use girts every 10 feet; No. 1 has girts every 5 feet No. 2 has girts every 5 feet with a double set of braces. The tower is first-class in every respect.

	Weight Lbs.	Each
No. 0, 10 foot, without anchors,	120	$ 5 62
No 0, 20 foot, with anchors,	270	12 95
No 0, 20 foot, special wide, with anchors,	280	14 63
No 0, 30 foot, with anchors,	420	19 90
No 0, 40 foot, with anchors,	570	25 27
No. 0, 50 foot, with anchors,	285	15 87
No. 1, 20 foot, with anchors,	420	21 38
No. 1, 30 foot, with anchors,	580	30 00
No. 1, 40 foot, with anchors,	760	48 00
No. 1, 50 foot, with anchors,	935	50 25
No. 1, 60 foot, with anchors,	290	14 62
No. 2, 20 foot, with anchors,	455	22 88
No. 2, 30 foot, with anchors,	620	35 40
No. 2, 40 foot, with anchors,	820	44 40
No. 2, 50 foot, with anchors,	1050	54 75
No. 2, 60 foot, with anchors,		

Steel Towers.

The 4 post tower is built in 10ft. sections: the corner posts are 2½x2½an gels, and when listed as No 3 has girts every 10 feet; No. 4 has girts every 5 feet; No. 5 has girts every 5 feet with a double set of braces. The tower is well built of good material, and one of the strongest in the market.

No. 3, 4-Post Towers for 8 or 10 foot Mills.

Height, ft. 10 ft without anchors all others with anchors,	**10**	**20**	**30**	**40**	**50**	**60**	**70**
Weight, Pounds,	150	340	500	670	865	1160	1555
Each,	$ 7.50	16.88	25.13	34.13	43.88	54.38	69.75

No. 4, 4-Post Towers for 8 or 10 foot Mills.

Height with anchors, Feet	**20**	**30**	**40**	**50**	**60**	**70**
Weight, Pounds,	365	550	760	1000	1300	1625
Each,	$18 00	27 75	39 00	51 38	65 63	85 25

No. 5, 4-Post Towers for 12 foot Mills.

Height with anchors, Feet	**20**	**30**	**40**	**50**	**60**	**70**
Weight, Pounds,	375	590	815	1080	1390	1745
Each	$19 13	29 70	42.38	55.88	71.63	93.75

Steel Wind Mills.

The 8ft. and 10ft. SUPERIOR Internal Back Geared Galvanized Steel Pumping Mills have always ranked FIRST among Pumping Mills, having no SUPERIOR, and users claim no EQUAL.

Back Geared Superior.

Size, Feet,	**8**	**10**
Weight, Pounds,	445	550
Each,	$35.00	40.00

Duplex Direct Stroke.

Size, Feet,	**10**	**12**
Weight, Pounds,	600	700
Each,	$45.00	57.50

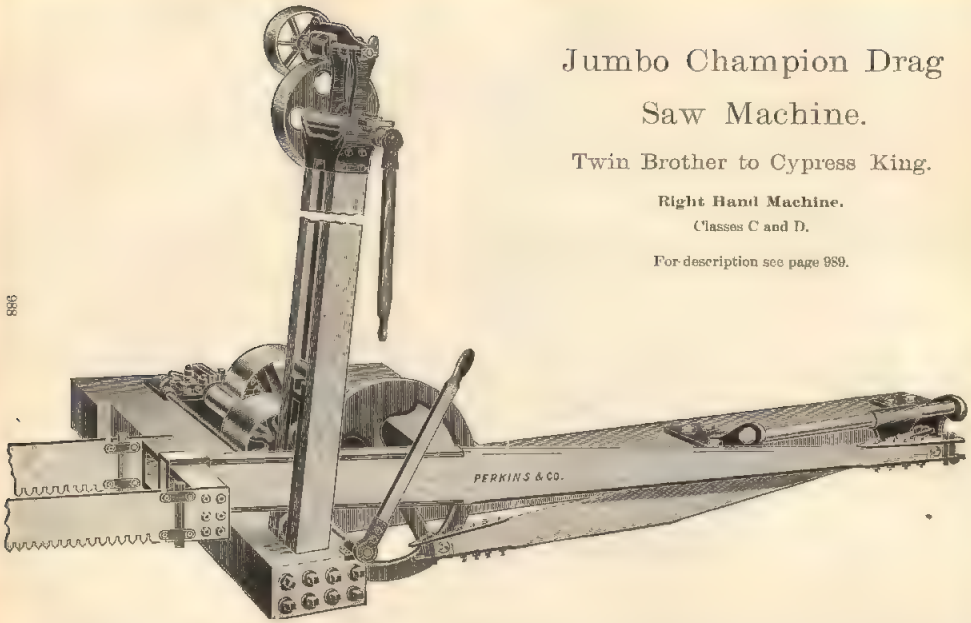
Jumbo Champion Drag Saw Machine.

Twin Brother to Cypress King.

Right Hand Machine.

Classes C and D.

For description see page 989.



Jumbo Champion.

Is similiar in principle to the "Champion," but a larger edition, and driven by friction instead of belt.

Two saws are used, as shown, thereby sawing two bolts at once.

Saws fastened onto a suitable head piece, with a single key quickly changed.

Saws are raised and lowered by friction device, fastened to top of standards.

Heavy pillow block boxes, 12-inch journal bearings, 21-inch seat on frame, and fastened to it by six ¾-inch bolts and two heavy keys. Crank wheel weighs over 600 pounds; stroke, 38 inches. Crank shaft 3½ inch diameter.

Size of machine, over all 24 feet by 5 feet; weight, 4,000 lbs.

Saws furnished according to order, of any length and width, fitted ready to couple onto the shear,

Class "C" as per general description but lighter, a medium between class "B" and "D." Stroke 34; proportion to carry a single 7 ft. or 8 ft x 14 in. saw. Is complete with elevator.

Drive pulley 16 in. x 8 in.; speed friction shaft 600 revolutions. Speed saw 150 strokes per minute. Floor space 24 ft. x 5 ft. Weight about 2,500 lbs.

Class "D" per cut, and general decription above. Complete with elevator. Stroke 38 in. Proportioned to carry two 8 ft. x 14 in. saws. Drive pulley on friction shaft 16 x 10 in. 600 revolution; saw speed 150 strokes per minute. Floor space 24 ft. x 6 ft. Weight, about 4,300 lbs. For cut see page 988.

Power Drag Saw Elevator.

Simplicity, Duribility, Power, No Tinkering, No Vexation.

Saw raised quickly and held rigidly at any height.

Saw lowered slowly and steadily. A plain simple friction with brake shoe, operated by handle lever convenient to sawyer: other description unnecessary. Quick acting, of ample power.

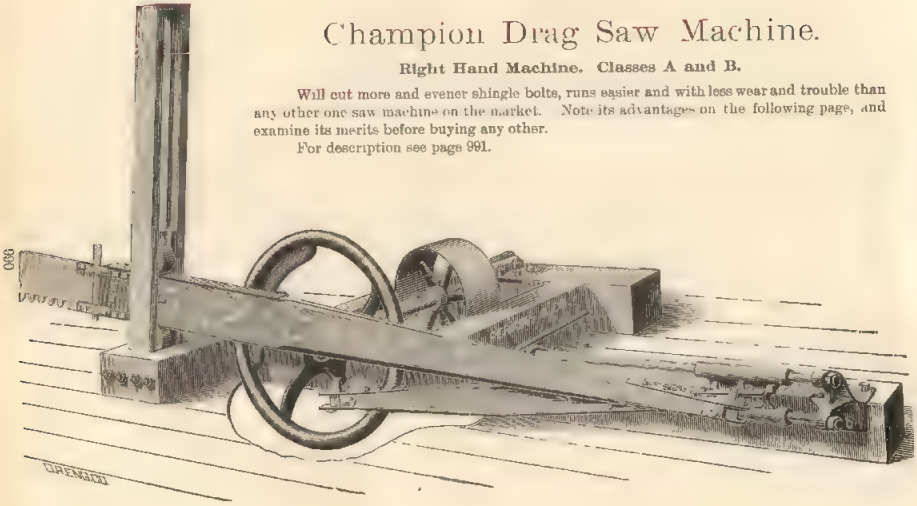
Size including handle 3 ft. x 2 ft.; weight, 400 lbs.; 16 in. x 4 in drive pulley. Speed, 230 revolutions.

Champion Drag Saw Machine.

Right Hand Machine. Classes A and B.

Will cut more and evener shingle bolts, runs easier and with less wear and trouble than any other one saw machine on the market. Note its advantages on the following page, and examine its merits before buying any other.

For description see page 991.



The Champion.

Is Compact, Heavy and Strongly Built.

Construction Plainly Shown in Cut.

General Description.

The frame is made of Heavy Timbers, fastened together with Long Bolts. One Key fastens the Saw to the Shear, and it is the Simplest, Quickest, and Strongest Device Ever Known.

Crank Wheel weighs over 300 pounds, 31 inch Stroke; Shaft 4 feet by 3 inches, Pillow-Block Boxes 19 inches long by 9 inches wide, each fastened to frame by four ¾ inch Bolts and Two Keys, Bearing 1½ inches deep against the Box.

Shear, Pitman and Standards of Ash, Brass Boxes, fastened by Straps and Keys to Pitman. A Double Wrist Pin takes all the up and down strain off the Shear—thus making the Saw feed regular, and never tearing the Timber.

Above description applies to classes "A," "A," "C" and "D."

Class "**A**" shown in cut is driven by Perpendicular Belt and Tightener ordinarily. Tight and Loose Pulley may be used; proportioned to carry a single 6½ ft. x 12 in. Saw.

Drive Pulley, 24 in. x 8 in.; Speed 125 to 175 Revolutions. Floor space, 22 ft. x 5 ft. Weight, about 1,648 Lbs.

Class "B" similar to Class "A" but operated by Friction same as Jumbo. May be Belted from any direction, thereby saving an overhead Counter-Shaft.

Proportioned to carry a Single 6½ ft. x 12 in. Saw. Drive Pulley on Friction Shaft, 16 in. x 8 in., Geared 1 to 1 to Crank Shaft; Speed, 500 to 700 Revolutions; Saw Speed, 125 to 175 Strokes per minute. Floor space, 22 x 5 ft. Weight, about 2,100 Lbs.

For Cut See Page 990

Price on Application.

The Perkins Time Saver, or Power Drag Saw Elevator.

Cut for Right Hand Drag Saw.

Runs right to left. Raises saw instantly out of cut, by shifting hand lever. Saw in motion or standing.

Send for descriptive catalogue. Price on application.

STEEL DERRICKS

RAILROAD STIFF LEG DERRICKS

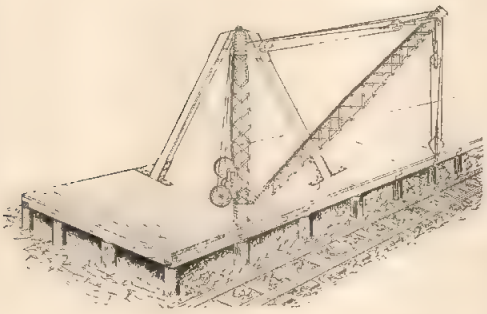


Illustration shows an excellent derrick for loading and unloading cars. Fitted with double drum crab, the boom can be raised or lowered at will, either with or without a load, thereby greatly increasing the effective radius of the derrick. Crab has safety brake for lowering. Steel stiff legs can be substituted for wood, if desired. Can rig either wire or Manila rope, as wanted.

No.	Mast feet	Boom feet	5 Ton		10 Ton		15 Ton		20 Ton	
			Price	Weight	Price	Weight	Price	Weight	Price	Weight
297	15	23	$500	4,500	$636	6,000	$815	7,800	$985	9,400
298	20	30	600	5,400	742	7,100	937	8,200	1,163	11,200
299	25	38	710	6,500	875	8,700	1,100	10,800	1,380	12,900
300	30	45	820	7,800	1,030	10,500	1,286	12,900	1,600	15,700

Price is for the complete derrick, except timbers and rope.

DERRICKS, CRABS AND HOISTING APPARATUS

We illustrate on the succeeding pages the well known Dobbie make, whose Western Agents we are, of Derrick fittings and parts; also show a few of the many ways of rigging complete derricks. Where special outfit is designed, we offer the benefit of skilled engineers and their years of practical experience.

We are at all times pleased to furnish advice and estimates.

We can furnish complete outfits in both steel and wood at short notice.

For durability and economy we recommend the steel derricks, which we illustrate in capacities from 5 tons upwards; they are symmetrical and are constructed on mechanical lines. For convenience in erecting and shipping, they can be made in interchangeable sections, which enables a user to lengthen or shorten boom and mast at will.

In the construction of parts and the building of complete derricks, a good factor of safety is allowed and especial care is taken in constructing and making of fittings.

GEO·B·CARPENTER & CO.

Western Agents.
Dobbie Foundry & Machine Co.

Steel Guy Derrick with Bull Wheel. Boom, 65 Feet

Steel Guy Derrick. Boom, 65 Feet

STEEL DERRICKS — MASTS

We show the construction of the masts of steel derricks. These varying with capacity required; the lattice work as shown single is furnished in the larger capacity, double sheaves are increased as conditions warrant. Their superiority over the ordinary timber derrick, especially for stationary rig, as well as for contractor's work is generally conceded. They combine strength and light weight besides being handled much easier. For contractor's work, owing to their being built in sections, are in reality a number of timber derricks in one. While the first cost is higher than a timber derrick, this difference is slight in comparison with the saving which is gained.

Mast Top

MAST TOP SECTION OF STEEL DERRICK Sizes and Prices

No.	Capacity tons	Length feet	Price	Weight lbs
200	5	12½	$180.00	1050
201	10	12½	215.00	1300
202	15	12½	250.00	1625
203	20	12½	290.00	1875
204	30	12½	330.00	2300

MAST BOTTOM SECTION OF STEEL DERRICK--Sizes and Prices

No.	Capacity tons	Length feet	Price	Weight lbs.
206	5	12½	$175.00	900
207	10	12½	210.00	1150
208	15	12½	245.00	1450
209	20	12½	285.00	1825
210	30	12½	325.00	2400

NOTE.—Add price of Step. See list of Derrick Castings, page 166.

Steel Stiff Leg Derrick. 10 Tons Capacity.

Mast Bottom

STEEL DERRICKS

BOOM POINTS

BOOM POINT SECTION OF STEEL DERRICK

Table of Sizes, Prices, Etc.

Order No.	Capacity, Tons	Length Feet	Price	Weight lbs.
212	5	15	$185.00	900
213	10	15	235.00	1325
214	15	15	280.00	1775
215	20	15	320.00	2100
216	30	15	380.00	2650

NOTE.—One sheave and bail for boom fall and one sheave and bail for main fall included in above price.

BOOM BOTTOM SECTION OF STEEL DERRICK

Table of Sizes, Prices, etc.

Order No.	Capacity Tons	Length Feet	Price	Weight lbs.
218	5	15	$160.00	875
219	10	15	205.00	1,225
220	15	15	250.00	1,690
221	20	15	290.00	2,000
222	30	15	350.00	2,500

Illustrations show end sections of booms, the construction of which is frequently changed to allow a sheave in the lower end for the load line. Bails for both boom and load lines at the point are also used and such sheaves as the load requires. Bails are frequently placed on the outside of the boom and both on one pin in place of inside as illustrated.

Boom Point

Boom Bottom

STEEL DERRICKS

Intermediate Sections

We illustrate here middle sections which are used in mast, boom, and stiff legs, varying in length and diameter in proportion to height wanted. When load line leads direct to the heel of the boom, idler rollers are placed at intervals on the upper side to keep it away from the steel.

Intermediate Section for Mast or Boom Steel Derrick

TABLE OF SIZES AND PRICES

No.	Capacity tons	Length feet	Price	Weight lbs
224	5	10	$90.00	725
225	5	15	110 00	950
226	5	20	130.00	1,175
227	5	25	150.00	1,400
228	5	30	175.00	1,625
229	5	45	260.00	2,350
230	10	10	120 00	1,050
231	10	15	145.00	1,375
232	10	20	172.00	1,725
233	10	25	200 00	2,100
234	10	30	225 00	2,450
235	10	45	340.00	3,500
236	15	10	145 00	1,400
237	15	15	190.00	1,900
238	15	20	225.00	2,400
239	15	25	260.00	2,875
240	15	30	310.00	3,800
241	15	45	440 00	4,800
242	20	10	180.00	1,600
243	20	15	225 00	2,150
244	20	20	265 00	2,800
245	20	25	315.00	3,450
246	20	30	365.00	4,100
247	20	45	510.00	5,800
248	30	10	230.00	2,000
249	30	15	280.00	2,650
250	30	20	330.00	3,500
251	30	25	390.00	4,300
252	30	30	450.00	5,000
253	30	45	600.00	7,250

Extra for Idler Rollers 5 and 10 ton, $6.00 each. 15 and 20 ton, $7.00 each: 30 ton, $8.00 each.

STEEL DERRICKS

TOP SECTION OF STIFF LEG STEEL DERRICK

Table of Sizes, Prices etc.

No	Capacity tons	Length feet	Price	Weight lbs.
255	5	19	$135 00	900
256	5	22	155.00	1,000
257	5	25	175.00	1,100
258	5	29	195.00	1,200
259	10	19	168 00	1,225
260	10	22	188 00	1,350
261	10	25	210 00	1,500
262	10	29	235 00	1 650
263	15	19	225 00	1,775
264	15	22	245 00	2,000
265	15	25	272 00	2,200
266	15	29	300.00	2,450
267	20	19	290 00	2,450
268	20	22	315 00	2,550
269	20	25	342.00	2,800
270	20	29	370.00	3,050
271	30	19	340.00	3,500
272	30	22	385 00	3,800
273	30	25	430 00	4,300
274	30	29	480 00	4,800

BOTTOM SECTION OF STIFF LEG STEEL DERRICK

Table of Sizes, Prices, etc.

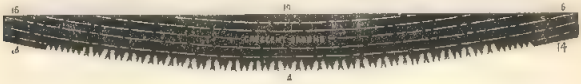
No.	Capacity tons	Length feet	Price	Weight lbs
276	5	19	$145.00	900
277	5	22	165.00	1,000
278	5	25	185.00	1,100
279	5	29	205.00	1,200
280	10	19	180 00	1 225
281	10	22	200 00	1,350
282	10	25	225 00	1,500
283	10	29	250.00	1,650
284	15	19	235.00	1,775
285	15	22	260.00	2,000
286	15	25	285.00	2,200
287	15	29	310.00	2,400
288	20	19	290.00	2,400
289	20	22	315 00	2 550
290	20	25	342.00	2,800
291	20	29	370 00	3,050
292	30	19	340.00	3,500
293	30	22	385.00	3,900
294	30	25	430 00	4,300
295	30	29	480 00	4,800

Illustrations show the usual form of construction of our stiff legs. The upper end or "Gooseneck" is made for great strength. The lower end can be fitted for a pin connection, if desired.

Cross Cut Saws.

SIMONDS IS A GUARANTEE

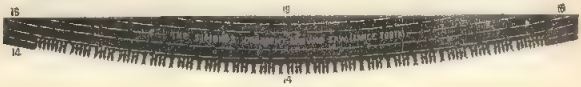
Simonds Mfg. Co's, "Crescent Ground" Cross-Cut Saws are Guaranteed to Cut Ten Per Cent more Timber, with same Labor, than any other Brands made.



Champion Tooth.

Five Gauges Thinner on Back than on Teeth

Length, Feet,	4½	5	5½	6	6½	7
Weight Each, Lbs.,	4	4¾	5¾	7	8½	10
Each, Without Handles,	$2.90	3.30	4.10	4.80	5.50	6.30



Lance Tooth.

Five Gauges Thinner on Back than on Teeth.

Length, Feet,	4½	5	5½	6	6½	7
Weight Each, Lbs.,	4	4¾	5¾	7	8½	10
Each, Without Handles,	$2.90	3.30	4.10	4.80	5.50	6.30

Felling Saw, Tuttle Tooth.

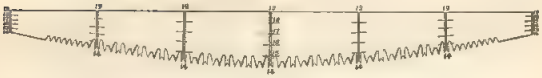
Length, Feet,	5½	6	6½	7
Weight Each, Lbs.,	4¾	6	7¼	8¾
Each, Without Handles,	$4.10	4.80	5.50	6.30

The Above Saws are Packed 25 in a Box.

THERE is a Growing Demand for a Special Felling Saw, and this Saw has met with Universal Satisfaction wherever Introduced.

Cross Cut Saws.

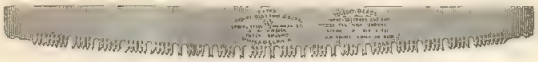
Henry Disston & Sons.



Vim.

Champion Tooth, Special Steel, Five Gauges Thinner on Back than on Teeth

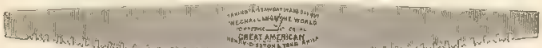
Length, Feet,	6	6 ¼		7
Weight Each, Lbs.,	7¼	8½		9¾
Each, Without Handles,	$6 00	6 50		7.00



Toledo Blade.

Made Even Gauge in Teeth from End to End and Ground Four Gauges Thinner on Back.

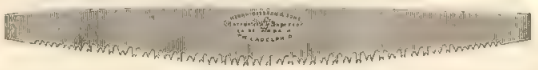
Length, Feet,	6	6 ¼	7	7 ½	8
Weight Each, Lbs.,	7¼	8½	9¾	10½	11½
Each, Without Handles,	$5 00	6 50	7 00	7 50	8.00



Great American.

Four Gauges Thinner on Back than on Teeth.

Length, Feet,	4	4 ½	5	5 ½
Weight Each, Lbs.,	3	4	5	6¼
Each, Without Handles,	$2 72	3.06	3 40	3 74



No. 1—Extra Thin Back.

Champion Tooth, Four Gauges Thinner on Back than on Teeth.

Length, Feet,	4 ½	5	5 ½	6	6 ½	7
Weight Each, Lbs.,	4	5	6	7	8	9
Each, Without Handles,	$2.70	3.00	3.30	3 60	3.90	4 20

No. 2—Thin Back.

Champion Tooth, Two Gauges Thinner on Back than on Teeth.

Length, Feet,	4 ½	5	5 ½	6	6 ½	7
Weight Each, Lbs.,	5	6¼	6¾	8	9	10
Each, Without Handles,	$2.43	2.70	2 97	3 24	3 51	3 78

No. 1—Tenon Tooth.

Four Gauges Thinner on Back than on Teeth

Length, Feet,	3 ½	4	4 ½	5	5 ½
Weight Each, Lbs.,	2¾	3	4¼	5	6¾
Each, Without Handles,	$2.21	2.52	2.84	3 15	3.46

All, 50 Saws in a Box.

Cross Cut Saws.

E. C. Atkins & Co.

Columbian Perforated Lance Tooth. Moss Back.

Special Nickel Steel, 14x18 Gauge

Length, Feet,	5	5 ½	6	6 ½	7	7 ½
Weight Each, Lbs.,	5	5¼	6¼	8	⅛	10
Each, Without Handles,	$2 60	3 85	4 20	4 55	4 90	5 25

25 Saws in a Box

E. C. Atkins & Co.

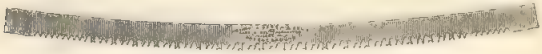
Tuttle Tooth.

Thin Back, 14x18 Gauge

Length Feet,	5	5 ½	6	6 ½	7
Weight Each, Lbs.,	5	6	7¼	8¼	10
Each Without Handles,	$2 50	2 76	3.00	3 26	3 50

50 Saws in a Box

Narrow.



Henry Disston & Sons.

Triumph.

Champion Tooth

Length, Feet,	5	5 ½	6	6 ½	7
Weight Each, Lbs.,	3¾	3½	4¼	5	5¼
Each, Without Handles,	$1 80	1.98	2 16	2.34	2 52

50 Saws in a Box

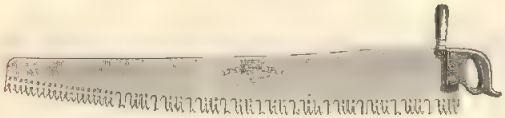
Sterling.

Champion Tooth

Length, Feet,	5	5 ½	6	6 ½
Weight Each, Lbs.,	3¼	4	4¼	5
Each, Without Handles,	$1.80	1.98	2.16	2.34

50 Saws in a Box

One Man Saws.

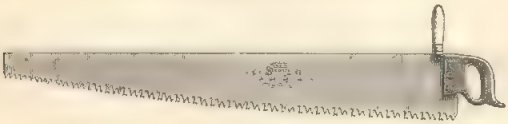


Simonds' Skew Back Monarch.

	Each
3½ Foot, Lance Tooth, With Handles,	$2 45
4 Foot, Lance Tooth, With Handles,	3 10
4½ Foot, Lance Tooth, With Handles,	3 80

Weight, 3½ Ft., 35 Lbs., 4 Ft., 40 Lbs.; 4½ Ft., 45 Lbs. Per Box

Half Dozen in a Wood Box.



Simonds' Champion Tooth.

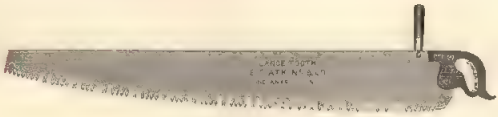
Length, Feet	3	3½	4	4½	5	5½
Weight Each, Lbs.,	3	4	5	6	7	8
Each, With Handles,	$2 25	2 60	3 00	3 35	3 70	4 10

Half Dozen in a Wood Box.

Zenith Champion Tooth.

Length, Feet,	3	3½	4	4½	5	5½
Weight Each, Lbs.,	3	4	5	6	7	8
Each, With Handles,	$2.25	2.60	3 00	3 35	3 70	4 10

Two Dozen in a Box



Atkins' Perforated Lance Tooth.

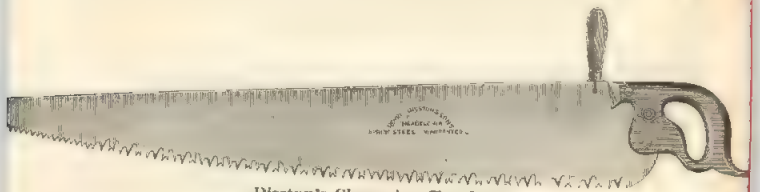
Length, Feet,	3½	4	4½	5
Weight Each, Lbs.,	4	5	6	7
Each, With Handles,	$2.31	2 64	2 97	3 30

Two Dozen in a Box.

One Man Saws.

Zenith Lance Tooth.

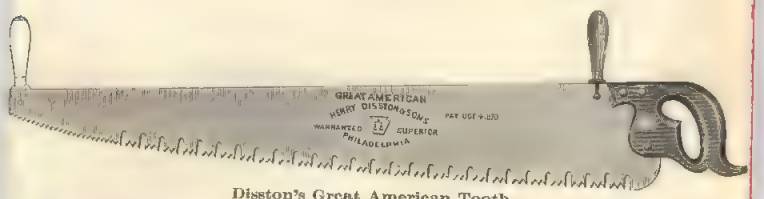
Length, Feet,	3	3½	4	4½	5
Weight Each, Lbs.,	3	4	5	6	7
Each, with Handles,	$2.25	2.31	2.64	2.97	3.30



Disston's Champion Tooth.

Length, Feet,	3	3¼	4	4½	5	5½
Weight Each, Lbs.,	3	4	5	6	7	8
Each, With Handles,	$2.25	2.60	3.00	3.35	3.70	4.10

Two Dozen in a Box.



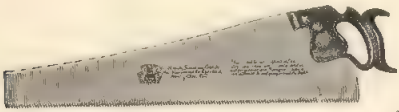
Disston's Great American Tooth.

Length, Feet,	3½	4	4½	5
Weight Each, Lbs.,	4	5	6	7
Each, With Handles,	$2.75	3.25	3.65	4.10

Two Dozen in a Box.

Hand, Rip and Panel Saws.

Henry Disston & Sons.

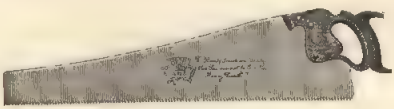


No. 120—Extra London Spring Steel, Skew Back, Carved and Polished Applewood Handle, 5 Improved Brass Screws.

	Rip.	Hand.
Length, Inches,	28	26
Points to Inch,	4½ to 5½	8 to 12
Weight Per Dozen, Lbs.,	27	24
Per Dozen,	$36 00	32 00

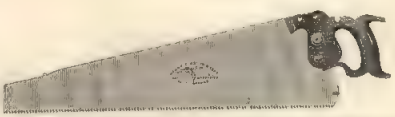
No. 12—Extra Refined London Spring Steel, Patent Ground and Tempered, Highly Polished Blade, Handle Carved and Polished, 4 Improved Brass Screws.

	Rip.	Hand.
Length, Inches,	28	26
Points to Inch,	4½ to 5½	8 to 12
Weight Per Dozen, Lbs.,	27	24
Per Dozen,	$32.00	28 00



No. D8—Extra Spring Steel, Patent Ground and Tempered, Skew Back, Polished Edge, Applewood Handle, 5 Improved Brass Screws.

	Rip.	Hand.	Panel.				
Length, Inches,	28	26	24	22	20	18	16
Points to Inch,	4½ to 6	6 to 12	8 to 12	8 to 12	8 to 12	8 to 12	8 to 12
Weight Per Dozen, Lbs.,	27	24	21	18	15	13	12
Per Dozen,	$25 00	22.00	21.00	19.50	17.50	16.00	14.50



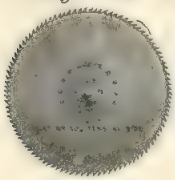
No. 7—Cast Steel, Beechwood Handle, Blade Grained and Etched, Polished Edge, 4 Improved Brass Screws

	Rip.	Hand.		Panel.				
Length, Inches	28	28	26	24	22	20	18	16
Points to Inch	4½ to 6	5 to 8	6 to 10	8 to 12	8 to 12	8 to 12	8 to 12	8 to 12
Weight Per Dozen, Lbs.,	27	27	24	21	18	15	13	12
Per Dozen,	$23.50	23.50	20.00	19 00	18.00	16.00	14.00	13.00

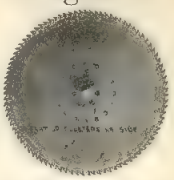
All Packed One-third Dozen in a Box

Marshall-Wells Hardware Co.

Henry Disston & Sons' Shingle Saws.



Left-hand.



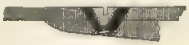
Right-hand.

Warranted, Extra Cast Steel, Tapered and Patent Ground

Diameter, Inches,	30	32	34	36	38	40	42	44	46	48	50	52	54	56
Weight Each Lbs.	20	22	24	28	32	40	44	48	60	67	78	86	94	102
Each,	$42 00	45 00	38.00	42 00	47 00	53.00	65 00	72.00	85.00	100 00	115 00	135 00	155 00	175 00

When ordering Shingle Saws, give the following directions plainly. Diameter in inches, thickness or gauge at center, thickness or gauge at rim, diameter of flange, full size of pattern of holes and sample of screw by which to drive and countersink saw. If you have a flange send it to have holes drilled in saw to fit. If you wish a larger flange send full and correct size in of diameter thickness, hole etc. State whose make of machine the saw is to run upon, number of teeth flat or countersunk ends, and the direction in which the teeth run (see above cuts).

Shingle Saw Screws.



Per Gross.

Set for One Saw Consists of 16-¼ in. and 8-⅝ in, Shingle Saw Screws, ... $3.00

Steel Band Saws.

Set and Filed.

Width, Inches,	⅜	½	⅝	¾	⅞	1	1¼	1½	1¾	2	2½	3	3½	4
Gauge,	21	21	21	21	21	20	20	20	19	19	19	19	19	19
Weight Per Foot, Oz.,	.3	.4	.6	.7	1	1.2	1.6	1.8	1.9	2	2.2	2.4	3.7	3.7
Per Foot,	$0.17	.17	.19	.21	.23	.26	.28	.30	.33	.36	.40	.43	.47	.47

If Not Wanted Set and Filed, Deduct $0.06 Per Foot From Above List. Band Saws for Metal, Add 50 Per Cent. to Above List.

Net Price for Joining Above Sizes of Band Saws.

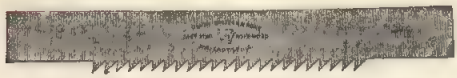
Width, Inches.	⅜	½	⅝	¾	⅞	1	1¼	1½	1¾	2	2½	3	3½	4
Each,	$0 20	.20	.20	.20	.20	.25	.25	.25	.30	.30	.30	.40	.40	.75

Set, Sharpened and Joined, Complete.

Width, Inches.	Gauge.	Weight, Per Ft.	Per Foot.	Width, Inches.	Gauge.	Weight, Per Ft.	Per Foot.	Width, Inches.	Gauge.	Weight, Per Ft.	Per Foot.
2	18	4 Oz.	$0.65	4 ½	16	11 Oz.	$1 65	9	14 to 16	2¼ Lbs.	$3.45
2½	18	6 Oz.	.85	5	16	13 Oz.	1.85	10	14 to 16	2½ Lbs.	3.85
3	17	7 Oz.	1.05	5½	16	1 Lb.	2.05	11	14 to 16	3 Lbs.	4.35.
3½	17	8 Oz.	1.25	6	16	1¼ Lbs.	2.25	12	14 to 16	3¼ Lbs.	5.00
4	16	10 Oz	1 45	7	16	2 Lbs.	2.65	13	14 to 16	3½ Lbs	6.00
				8	14 to 16	2½ Lbs.	3.05	14	12	3½ Lbs.	7.00

Saws.

Disston's.

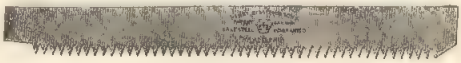


No. 1—Gang Saw, Cast Steel, Extra Tempered, Patent Ground.

Gauge Nos.,	8	8	9	9	10-11	10-11	10-11	12-13	12-13
Width, Inches,	8	9	8	9	8	9	10	8	9
Per Foot,	$1.70	1.85	1.50	1.60	1.30	1.40	1.55	1.30	1.40

Gauge Nos.,	12-13	14-15	14-15	14-15	13-14	15-16	13-14	15-16
Width, Inches,	10	8	9	10	7	7	6	6
Per Foot,	$1.55	1.25	1.35	1.50	1.20	1.15	1.10	1.05

Gang Saws are made from Specifications only.

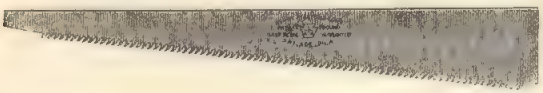


Drag.

	Per Foot		Per Foot
No. 8—Gauge, Tapered 10 in. Butt, 8 in. Point,	$1.60	No. 10—Gauge, Tapered 8 in. Butt, 6 in. Point,	$1.25
No. 8—Gauge, Tapered 10 in. Butt, 8 in. Point,	1.55	No. 11—Gauge, Tapered 8 in. Butt, 6 in. Point,	1.20
No. 8—Gauge, Tapered 9 in. Butt, 7 in. Point,	1.50	No. 10—Gauge, Tapered 7 in. Butt, 6 in. Point,	1.15
No. 9—Gauge, Taperep 9 in. Butt. 7 in. Point,	1.45	No. 11—Gauge, Tapered 7 in. Butt, 6 in. point,	1.10

No extra charge for Patent or Improved teeth. When ordering Drag Saws, state whether Mill or Cross-cut teeth are wanted. If set and sharpened extra price.

Drag Saws are made to Specifications only.



Pit.

Cast Steel, Extra Tempered.

Length, Feet,	5½	6	6½
Weight Each, Lbs.,	8	9½	12
Each, Without Handles,	$5.50	6.00	6 50

Whip.

Cast Steel, Extra Tempered.

Length, Feet,	5½	6	6½
Weight Each, Lbs.,	4⅛	4⅜	5⅜
Each, Without Handle,	$3.30	3.60	3.90

Zenith Lumbering Tools.

Peavies.

Malleable Split Socket.
Duck or Round Bill Hook

Hard Maple Handle.

	Per Dozen.
No. 10—2½ in x 4½, 5, or 5½ ft Handle,	$27 50
No. 11—2½ in x 5, 5½, or 6 ft Handle,	31 25
No. 12—3 in x 5, 5½, or 6 ft Handle,	35 00

Average Weight, No 10, 110 Lbs., No 11, 130 Lbs., and No 12 150 Lbs. Per Dozen, Crated.

Hickory Handle.

	Per Dozen.
No. 13—2½ in x 4½, 5, or 5½ ft Handle,	$30 00
No. 14—2½ in x 5, 5½, or 6 ft Handle,	33 75
No. 15—3 in x 5, 5½, or 6 ft Handle,	37 50

Average Weight, No 13 110 Lbs No 14, 130 Lbs., and No 15, 150 Lbs. Per Dozen, Crated.

Wrought Steel Socket and Clasp.
Duck or Round Bill Hook.

Hard Maple Handle.

	Per Dozen.
No. 20—2½ in x 4½, 5, or 5½ ft Handle,	$32 50
No. 21—2¾ in x 5, 5½ or 6 ft Handle,	36 25
No. 22 3 in x 5, 5½ or 6 ft Handle	40 00

Average Weight No 20, 11h Lbs No 21, 130 Lbs, and No. 22 150 Lbs. Per Dozen Crated

Hickory Handle.

	Per Dozen.
No. 23—2½ in x 4½, 5, or 5½ ft Handle,	$35.00
No. 24—2¾ in x 5, 5½ or 6 ft Handle,	39.75
No. 25—3 in x 5, 5½ or 6 ft Handle	42 50

Average Weight No 23, 110 Lbs, No. 24, 130 Lbs., and No 25, 150 Lbs. Per Dozen, Crated

Half Dozen in a Crate.

Top Loader Hooks.

		Per Dozen
No. 330	Special Top Loader Hook, 2⅛ in. x 4½ ft., Wrot Steel Clasp and Toe Ring, Hard Maple Handle, Extra Heavy Hook,	$40 00

One-Half Dozen in a Crate. Weight Per Dozen, 85 Lbs.

"Straight Front" Peavey.

With Wrought Steel Socket and Clasp.

Duck Bill Hook.

This Peavey has Socket and Pick in one Piece, doing away with the Shoulder at the End of Socket.

With Hard Maple Handles and Round or Duck Bill Hooks.

		Per Dozen
No. 620—2½ in. x 4½, 5 or 5½ ft. Handles,		$34.00
No. 621—2⅝ in. x 4½, 5, 5½ or 6 ft. Handles,		37.75
No. 622—3 in. x 5, 5½, or 6 ft.		41.50

With Hickory Handles and Round or Duck Bill Hooks.

		Per Dozen
No. 623—2½ in. x 4½, 5, or 5½ ft. Handles,		$36.50
No. 624—2⅝ in. x 4½, 5, 5½ or 6 ft. Handles,		40.25
No. 625—3 in. x 5, 5½ or 6 ft. Handles,		44.00

We will Ship Duck Bill Hooks unless otherwise Specified.

Zenith Lumbering Tools.

Cant Hooks.

Wrought Steel Clasp.
Duck or Round Bill Hook.

Hard Maple Handle.	Per Dozen.
No. 30—2½ in. x 4, 4½ or 5 Ft. Handle,	$25.00
No. 31—2½ in. x 5, 5½ or 6 Ft. Handle,	28.26
No. 32—3 in. x 5, 5½ or 6 Ft. Handle,	31 25

Average Weight, No. 30, 100 Lbs., No. 31, 115 Lbs., and No. 32, 130 Lbs. Per Dozen, Crated.

Hickory Handle.	Per Dozen.
No. 33—2½ in. x 4, 4½ or 5 Ft. Handle,	$27.50
No. 34—2½ in. x 5, 5½ or 6 Ft. Handle,	30 75
No. 35—3 in. x 5, 5½ or 6 Ft. Handle,	33 75

Average Weight, No. 33 100 Lbs., No. 34, 115 Lbs., and No. 35, 130 Lbs. Per Dozen, Crated.

Mill Carriage.
These are made same as above but Lighter.

	Per Dozen.
No. 36—2½ in. x 3½, 4 or 4½ ft. Maple Handle,	$25 00

Average Weight, 80 Lbs. Per Dozen, Crated.

Malleable Iron Clasp.
Duck or Round Bill Hook.

Hard Maple Handle.	Per Dozen.
No. 40—2½ in. x 4, 4½ or 5 Ft. Handle,	$22 50
No. 41—2½ in. x 5, 5½ or 6 Ft. Handle,	25.75
No. 42—3 in. x 5, 5½ or 6 Ft. Handle,	28.75

Average Weight, No. 40, 100 Lbs., No. 41, 115 Lbs., and No. 42, 130 Lbs Per Dozen, Crated.

Hickory Handle.	Per Dozen
No. 43—2½ in. x 4, 4½ or 5 Ft. Handle,	$25 00
No. 44—2½ in. x 5, 5½ or 6 Ft. Handle,	28 25
No. 45—3 in. x 5, 5½ or 6 Ft. Handle,	31 25

Average Weight, No. 43 100 Lbs; No 44, 115 Lbs., and No. 45, 130 Lbs. Per Dozen, Crated

Half Dozen in a Crate.

Zenith Lumbering Tools.

Cant Hooks.

Wrought Steel Clasp.

Extension Toe Ring.
Duck or Round Bill Hook.

Malleable Iron Clasp.

Hard Maple Handle

		Per Dozen
No. 130	2½ in. x 4, 4½ or 5 ft. Handle,	$25 00
No. 131	2½ in x 5, 5½ or 6 ft Handle,	28 25
No. 132	3 in. x 5, 5½ or 6 ft Handle	31.25

Hickory Handle

		Per Dozen
No. 133	2½ in x 4, 4½ or 5 ft. Handle,	27 50
No. 134	2½ in x 5, 5½ or 6 ft. Handle,	30 75
No. 135	3 in x 5, 5½ or 6 ft Handle,	33.75

Hard Maple Handle

		Per Dozen
No. 140	2½ in x 4, 4½ or 5 ft Handle,	$22 50
No. 141	2½ in x 5, 5½ or 6 ft. Handle	25 75
No. 142	3 in x 5, 5½ or 6 ft Handle	28 75

Hickory Handle

		Per Dozen
No. 143	2½ in. x 4, 4½ or 5 ft Handle,	$25 00
No. 144	2½ in. x 5, 5½ or 6 ft Handle,	28 25
No. 145	3 in. x 5, 5½ or 6 ft Handle,	31 25

Malleable Iron Clip Clasp.

Duck or Round Bill Hook

Hard Maple Handle.

		Per Dozen
No. 60	2½ in x 4, 4½ or 5 ft Handle,	$22 50
No. 61	2½ in x 5 6½ or 6 ft. Handle,	25 75
No. 62	3 in x 5, 5½ or 6 ft. Handle,	28.75

Hickory Handle.

		Per Dozen
No. 63	2½ in x 4, 4½ or 5 ft Handle,	$25 00
No. 64	2½ in x 5, 5½ or 6 ft Handle,	28 25
No. 65	3 in. x 5, 5½ or 6 ft. Handle,	31 25

Average Weight, 2½ in., 100 Lbs., 2¾ in., 115 Lbs., 3 in., 130 Lbs. Per Dozen, Crated.
Half Dozen in a Crate

Zenith Lumbering Tools.

Cant Hooks.

Malleable Iron Clasp.
Chisel Pointed Hook.

Hard Maple Handle.

	Per Dozen.
No. 70—2½ in x 4, 4½ or 5 ft. Handle,	$20 75
No. 71—2½ in x 5, 5½ or 6 ft. Handle,	23 75
No. 72—3 in x 5, 5½ or 6 ft. Handle,	27 00

Average Weight, No. 70, 95 Lbs ; No 71, 110 Lbs., and No 72, 125 Lbs. Per Dozen, Crated

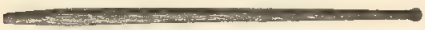
Hickory Handle.

	Per Dozen.
No. 73—2½ in. x 4, 4½ or 5 ft Handle	$23.35
No. 74—2½ in x 5, 5½ or 6 ft Handle,	26.25
No. 75—3 in x 5, 5½ or 6 ft Handle,	29.50

Average Weight, No. 73, 95 Lbs ; No. 74, 110 Lbs., and No. 75, 125 Lbs. Per Dozen, Crated.

Half Dozen in a Crate.

Cant Hook and Peavey Handles.



Zenith, Hard Maple, Extra Selected and Finished.

Length, Feet,	4	4½	5	5½	6
No. 200—2½ in., Per Doz.,	$4.00	4 00	4 30	4 60	5 00
No. 201—2¾ in., Per Doz.,	4.60	4 90	5.20	5 50	5 90
No. 202—3 in., Per Doz.,		5 50	5 80	6 20	6 90

Zenith, Hickory, Extra Selected and Finished.

Length, Feet,	4	4½	5	5½	6
No. 210—2½ in., Per Doz.,	$5 00	5 00	5 30	5.60	5.90
No. 211—2¾ in., Per Doz.,		5 60	5.90	6.20	6.80
No. 212—3 in., Per Doz.,			6 60	6.80	7 40

Hard Maple, Selected.

Length, Feet,	4	4½	5	5½	6
No. 203—2½ in., Per Doz.,	$3.00	3.00	3.30	3 60	4 00
No. 204—2¾ in., Per Doz.,	3.60	3 90	4 20	4 60	
No. 205—3 in., Per Doz.,		4 50	4.80	5 20	

Hickory, Selected and Oiled.

Length, Feet,	4	4½	5	5½	6
No. 213—2½ in., Per Doz.,	$4.00	4 00	4.30	4.60	4.90
No. 214—2¾ in., Per Doz.,		4 60	4.90	5.20	5 80
No. 215—3 in., Per Doz.,			5.50	5.80	6.40

For Boring Handles add 25c Per Dozen Net.

Weight of 2½ in. Maple Handles.

Length, Feet,	4	4½	5	5½	6
Per Dozen, Lbs.,	40	45	50	56	63

Weight of 2½ in. Hickory Handles.

Length Feet,	4	4½	5	5½	6
Per Dozen Lbs,	45	50	55	60	68

One Dozen in a Bundle.

Zenith Lumbering Tools.

Peavey Sockets.

Malleable.

	Per Dozen.
No. 182—For 2½ in Handle,	$10 00
No. 183—For 2¾ in Handle,	11 25
No. 184—For 3 in Handle,	12 50

Weight, No 182, 34 Lbs , No 183, 38 Lbs.; No 184, 43 Lbs Per Dozen

Wrought.

	Per Dozen.
No. 185—For 2½ in Handle,	$10 00
No. 186—For 2¾ in. Handle	11 25
No. 187—For 3 in Handle,	12 50

Weight No 185, 15 Lbs No 186, 20 Lbs , No. 187, 6 Lbs Per Dozen

Peavey and Cant Hook. Hooks.

Hammered Crucible Steel, Heavy Upset Heads

Duck or Round Bill.	Per Dozen.
No. 170—⅞x⅛ in., Weight, 20 Lbs Per Dozen.	$11 25
No. 171—1 x⅛ in., Weight, 24 Lbs. Per Dozen.	12 50
No. 172—1 x¼ in., Weight, 30 Lbs Per Dozen,	13 75

Cant Hook and Peavey Clasps.

Per Dozen Without Rivets

No. 173—Wrought Steel Clasps For 2½ in Handle,	$7 50
No. 174—Wrought Steel Clasps. For 2¾ in Handle,	8 25
No. 175—Wrought Steel Clasps, For 3 in Handle,	9 50
No. 176—Malleable Iron Clasps. For 2½ in Handle,	5.00
No. 177 -Malleable Iron Clasps, For 2¾ in Handle,	5.75
No. 178—Malleable Iron Clasps, For 3 in Handle.	7 00

Weight No 173, 15 Lbs.; No. 174, 17 Lbs , No. 175, 20 Lbs ; No. 176, 18 Lbs., No. 177, 19 Lbs , No 178, 20 Lbs. Per Dozen

Malleable Cant Hook Clips.

Nos.	590	595
Length, Inches.	5	6
Weight Per Dozen, Lbs.,	12	15
Per Dozen,	$3.25	3.75

Malleable Peavey Clips.

No.	600
Length, Inches.	10
Weight Per Dozen, Lbs ,	15
Per Dozen,	$4 00

Malleable.

No.	188
Size,	Medium
Weight Per Dozen, Lbs.,	4½
Per Dozen,	$1.50

Toe Rings.

Never-Slip.

Nos.	195	196	197	198	199
For Handles, In.	2½	2⅝	2¾	2⅞	3
Wt. Per Dozen, Lbs ,	4	5	6	7	8
Per Dozen,	$2.50	2.50	2 50	2.50	2.50

Cant Hook and Peavey Bolts.

Square Head, Square Neck and Hex. Nut

	Per Hundred
⅜ x1½ in., Weight, 11½ Lbs Per Hundred,	$4 00
⅜x2 in., Weight, 13½ Lbs. Per Hundred,	4 00
½x1½ in., Weight, 18 Lbs Per Hundred,	4 50
½x2 in., Weight, 18 Lbs Per Hundred,	4 50

All Above, Loose

Peavey Pikes.

	Per Dozen
No. 189—For 2½ in Handle, Wt., 18 Lbs. Per Doz.,	$7 50
No. 190—For 2¾ in Handle, Wt., 20 Lbs Per Doz.,	8 50
No. 191—For 3 in Handle, Wt., 25 Lbs Per Doz.,	9 50

Screwed Shank Furnished to Order

Marshall-Wells Hardware Co.

Zenith Lumbering Tools.

Pike Poles.

With Pike Only, Selected White Ash Handle

Nos.	88	89	90	91
Length of Pole, Feet,	12	14	16	18
Weight Per Dozen, Lbs.	80	90	100	110
Per Dozen,	$20 00	23 75	27 00	30 25

Pike Poles.

With Straight Pike and Hook, Selected White Ash Handle.

Nos.	84	85	86	87
Length of Pole, Feet,	12	14	16	18
Weight Per Dozen, Lbs.	80	90	100	110
Per Dozen,	$23 75	27 00	30 75	40 00

With Curved Pike and Hook, Selected White Ash Handle.

Nos.	80	81	82	83
Length of Pole, Feet,	12	14	16	18
Weight Per Dozen, Lbs.,	80	90	100	110
Per Dozen,	$23.75	27 00	30 75	40 00

Pike Poles, Not Ironed.

Made from Selected Second Growth Ohio White Ash Timber

Nos.	220	221	222	223
Length of Pole, Feet,	12	14	16	18
Weight Per Dozen, Lbs.,	65	75	85	95
Per Dozen,	$11 35	13 75	17 50	25 00

Pike Pole Ferrules.

Per Dozen Sets

No. 125—Seamless Ferrules, 3 Pieces in a Set, $4 50

Weight, 3¾ Lbs. Per Dozen

Twisted Point

Twisted Point

Plain Point

Pike Pole Pikes, Shank to Drive.

Per Dozen

No. 194 Straight, Plain, $6 25

Weight, 8½ Lbs Per Dozen

Per Dozen.

No. 193—Straight, With Hook, $10 00

Weight, 9½ Lbs Per Dozen.

Per Dozen.

No. 192—Curved, with Hook, $10.00

Weight, 9½ Lbs Per Dozen

Can furnish Pikes with Screwed Shanks, if desired.

Batteau or Setting Poles.

Length, Feet,	12	14	16
Weight Per Dozen, Lbs,	100	115	130
Per Dozen,	$29.25	31.50	33 75

All above, Loose.

Batteau Pole Rings.

Per Set

No. 20—In Sets of 4, $0 25

Marshall-Wells Hardware Co.

Zenith Lumbering Tools.

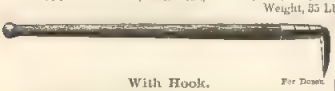
Pickaroons.

For Handling Railroad Ties, Telegraph Poles etc.

Per Dozen

No. 100—Axe Handle, Steel Head, ... $22.00

Weight, 35 Lbs. Per Dozen.



With Hook.

Per Dozen.

No. 101—Crucible Cast Steel Hook, Wrought Ferrule, 30 in Maple Handle $15.00

Weight, 30 Lbs. Per Dozen.

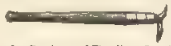
With Pike and Hook.

Per Dozen.

No. 102—Crucible Cast Steel Pike and Hook, Wrought Ferrule, 30 in. Maple Handle, ... $17.00

Weight, 32 Lbs Per Dozen

Lumber Sorters' Pickaroons.



Handy for Sorting and Handling Lumber.

Per Dozen

No. 103 Lumber Sorters', Crucible Cast Steel Pike and Hook, Maple Handle, Wrought Ferrule, ... $12.00

Weight, 25 Lbs. Per Dozen.

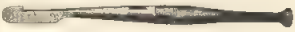
Log Marking Hammers.

No. 175—Single Face, 1 to 3 Letters, . . . $6.00

No. 180 Double Face 2 to 6 Letters, ... 9.00

Special Shapes, add $1.50 for Cost of Each Pattern

Bark Spuds.

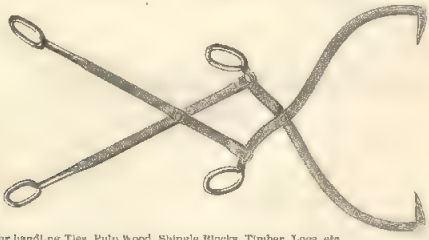


Per Dozen

No. 53 Handled Bark Spud, Best Cast Steel, ... $24.00

Weight 36 Lbs Per Dozen

Brindos' Patent Tongs.



A new device for handling Ties, Pulp Wood, Shingle Blocks, Timber, Logs, etc.

They are indispensible to Tie Makers, handling the Tie more easily and quickly than any other device on the market.

A Swamper can in small timber pull the butt and top logs to the middle in a three tie tree, or pull the top log to the butt [illegible] when set a couple lengths apart and teams can get many steps. In case the timber is frozen down, a man can use the Tongs as a Cant Hook, as they are strong in construction. Pulp wood can be bunched as readily as ties without wet mits or sore fingers Sleighs can be loaded or unloaded in half the time with Tongs that it requires without them

Just the thing for handling Shingle Blocks, especially where they are taken out of water.

Weight Per Dozen, 96 Lbs. Price Per Dozen, $36.00.

Zenith Lumbering Tools.

Skidding Tongs.

Octagon, with Grab Hook.

			Per Dozen
No. 110—1	in	Octagon Stee. with heavy upset heads and Grab Hook to open 28 in., Wt., 250 Lbs. Per Dozen,	$ 82 50
No. 111	1¼ in	Octagon Steel with heavy upset heads and Grab Hook to open 32 in., Wt., 300 Lbs. Per Dozen,	90 00
No. 112	1½ in	Octagon Steel with heavy upset heads and Grab Hook to open 36 in., Wt., 375 Lbs. Per Dozen,	105 00
No. 113	1⅝ in	Octagon Steel with heavy upset heads and Ring to open 32 in., Wt., 400 Lbs. Per Dozen,	90 00
No. 114	1½ in	Flat Stee. with heavy upset heads and Grab Hook to open 32 in., Wt., 300 Lbs. Per Dozen,	90 00
No. 115	1½ in	Flat Steel with heavy upset heads and Grab Hook to open 36 in., Wt., 350 Lbs. Per Dozen,	100 00
No. 116	1¾ in	Flat Stee. with heavy upset heads and Grab Hook to open 42 in., Wt., 425 Lbs. Per Dozen,	150 00
No. 117	2 in	Flat Steel with heavy upset heads and Grab Hook to open 54 in., Wt., 650 Lbs. Per Dozen,	200 00

Order by Number and state whether wanted with Grab Hook or Large Ring.

Timber Carriers.

This Tool is designed for use in Bridge, Boat or House Building and Railroad Construction. Hooks Open from 3 to 16 inches. Handle 4 to 4½ feet long, Selected Hard Maple.

		Per Dozen.
No. 127	Timber Carrier, 2½ in. Clasp, with Swivel, Hammered Crucible Cast Steel Hooks, Weight, 105 Lbs. Per Dozen.	$35 00

All Above, Loose

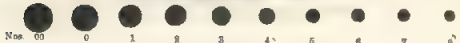
Tinners' Tools.

Portable Brazer.

The Most Powerful Brazer Ever Made. Simple, Economical and Durable.

With Gauge, Each, ... $15.00

Tinners' Tools.



Cut Showing Sizes of Rivet Sets and Solid Punches.

Rivet Sets and Headers.

Cast Steel, Half Polished.

Nos.	00	0	1	2	3	4	5	6	7	8
For Iron Rivets, Lbs.,	1/4	10 & 12	8	6	4 & 5	2½ & 3	1¾ & 2	1½	1¼	10 & 12 Oz.
For Copper Rivets, Nos.	...	6	6	7	8	9	10 & 11	12	13	14
Weight Each, Lbs.,	7/8	5/8	9/16	½	7/16	3/8	9/32	¼	¼	9/32
Each,	$0.75	.75	.63	.63	.50	.50	.37	.37	.32	.32

Wire Chisels, Extra Cast Steel.

Width, Inches	¼	3/8	½	5/8	¾	7/8	1	1⅛	1¼	1⅜	1½
Weight Each, Oz.,	⅓	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1⅝	2
Each,	$0.08	.09	.10	.11	.12	.13	.14	.15	.17	.19	.20

Lantern Chisels.

Width, Inches,	¾	1
Weight Each, Lbs.,	⅛	5/8
Each,	$0.12	.20

Scratch Awls.

	Per Dozen.
No. 1—Solid Cast Steel, 8½ in. Long,	$1 25

Weight, 1 Lb. Per Dozen.

Solid Punches.

Nos.	0	1	2	3	4	5	6	7	8
Sizes, Inches,	3/32	5/32	7/32	9/32	11/32	13/32	15/32	17/32	19/32
Weight Per Dozen, Lbs.,	2	1¾	1¼	1⅛	1¼	1⅜	1½	1	¾
Per Dozen,	$1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44

For Cuts of Sizes, see Rivet Sets.

Prick Punches.

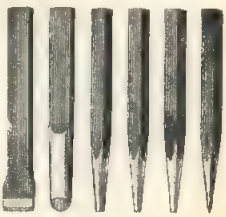
	Per Dozen.
No. 60—Solid Cast Steel,	$1 44

Weight, 1¼ Lb Per Dozen

Center Punches.

	Per Dozen.
No. 50—Solid Cast Steel,	$1.44

Weight, 1¾ Lbs. Per Dozen.



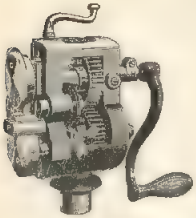
Set.

	Per Set.
Punches and Chisels, in a Set of 4 Punches and 2 Chisels,	$0.72

Weight, ⅞ Lb. Per Set.

Tinners' Machines.

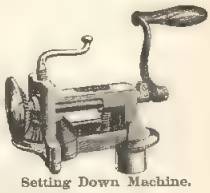
Quarter Size Cuts



Wiring Machine.

Each.

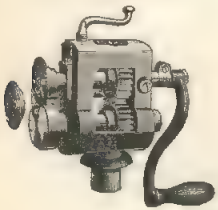
Columbian, with Standard, . . . $12 00
Weight, 21½ Lbs Each

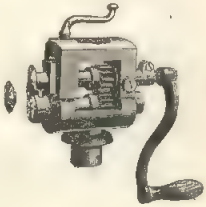


Setting Down Machine.

Each.

Columbian, with Standard, ... $9.75
Weight, 10½ Lbs. Each.





Burring Machines.

Large.

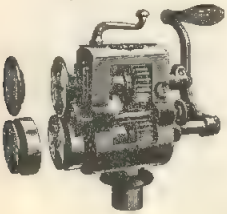
Each.

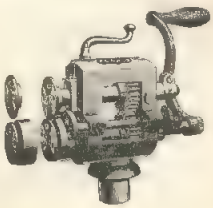
Columbian, with Extra Upper Face, with Standard, $9.00
Weight, 15 Lbs. Each.

Small.

Each.

Columbian, with Extra Upper Face, with Standard, $8.50
Weight, 11¼ Lbs. Each





Turning Machines.

Large.

Each.

Columbian, with Extra Upper and Lower Faces, with Standard, ... $10.25
Weight, 18 Lbs. Each

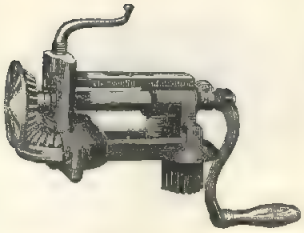
Small.

Each.

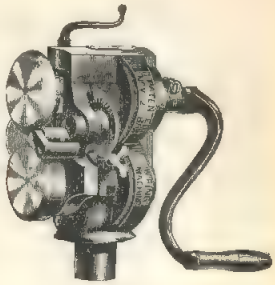
Columbian, with Extra Upper and Lower Faces, with Standard $10.00
Weight, 15 Lbs. Each.

These Machines are so made that any part can be replaced, by designating the letter stamped on piece wanted.

Tinners' Machines



Quarter Size Cut.



One-third Size Cut.

Setting Down Machine.

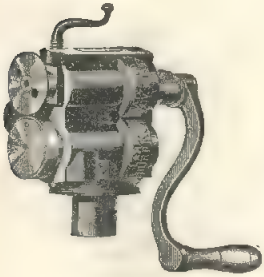
Encased, with Standard, ... Each $9 75

Weight, 21 Lbs. Each.

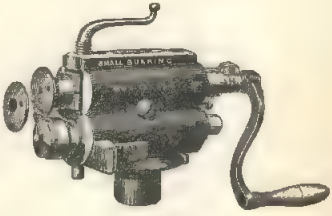
Wiring Machine.

Encased, with Standard, ... Each $14.00

Weight, 29 Lbs. Each.



One-third Size Cut.



One-third Size Cut.

Burring Machines.

Large.

Encased, with Extra Upper Face, with Standard, Each $10 50

Weight, 23 Lbs. Each.

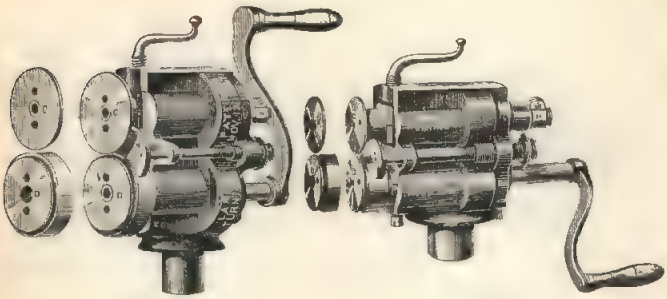
Small.

Encased, with Extra Upper Face, with Standard, Each $10 00

Weight, 21 Lbs. Each.

All above have Adjustable Boxes and are so made that any part can be replaced by designating the letter stamped on piece wanted.

Tinners' Machines.



One-Third Size Cut.

One-Third Size Cut

Turning Machines.

Large.	Each.	Small.	Each.
Encased, with Extra Upper and Lower Faces, with Standard,	$11.50	**Encased,** with Extra Upper and Lower Faces, with Standard.	$11.25
Weight, 18 Lbs. Each.		Weight, 15 Lbs. Each.	

These Machines have Adjustable Boxes and are so made that any part can be replaced by designating the letter stamped on piece wanted.

Wiring Machine Standard.

Small Machine Standard

Improved Machine Standards.

	Each.
Improved Machine Standards, Weight, 11½ Lbs. Each,	$1 00

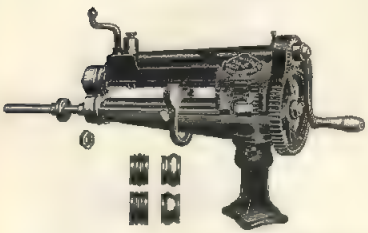
Encased and Columbian Machines are all packed with these Standards. These Standards are made to be used on any bench, varying in thickness from 1 to 3½ inches. The necessity of cutting holes in the benches is obviated, and the Tinner is enabled to use a Machine in any part of his shop most convenient to his work. The Wrench is always attached to the Standard. These Standards are now adapted to "Raymond's," and No. 1.

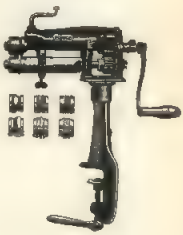
Tinners' Machines.

Crimping Machine.

	Each.
Packham's—For Stove and Conductor Pipe, with Standard,	$13.00

Weight, 17½ Lbs. Each.





Beading Machines.

	Each.
No. 1—13 inch, with 3 Pairs Rollers and Rotary Standard,	$32.25

Weight, 117 Lbs. Each.

No. 2—10 inch, with 3 Pairs Rollers and Rotary Standard,	$1.25

Weight, 110 Lbs. Each.

Size of Beads for Nos. 1 and 2 are as follows: O. G. 1 in., Triple 1 in., and Single ½ in.

	Each.
No. 3—7½ inch, with 3 Pairs Rollers and Rotary Standard,	$26.25

Weight, 81 Lbs. Each.

Size of Beads for No. 3 are: O. G. ⅜ in., Triple ½ in., and Single ⅛ in.

	Each.
No. 4—6 inch, with 4 Pairs Rollers and Rotary Standard,	$19.75

Weight, 35 Lbs. Each.

Size of Beads as follows. O. G ⅝ in., Triple ⅝ in., Triple Coffee Pot ¼ in., and Single Head ⅝₂ in.

	Each.
No. 5—4 inch, for Tin, with 5 Pairs Rollers and Rotary Standard,	$16.75

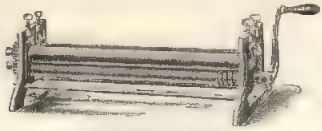
Weight, 20 Lbs. Each.

Size of Beads as follows. Astragal ⅞₂ in., O. G. ⅛ in., Triple Coffee Pot ⅜ in., Triple Coffee Pot, One, ⅝₄ in., and Single Head ⅛ in.

Nos. 4 and 5 have Adjustable Boxes.

These Beading Machines are so made that any part can be replaced by designating the letter stamped on piece wanted.

Tinners' Machines.

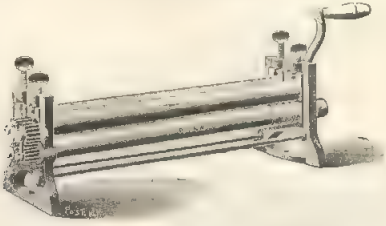


Stove Pipe Formers.

These Formers are made with Turned Steel Rolls, Finely Finished, and Free from Indentations and Imperfections

	Each.
No. 1—2 in Rolls, 30 in. Long,	$19 00
No. 2—1¾ in Rolls 30 in. Long,	18.00

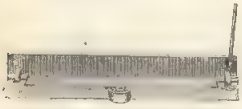
Weight, No. 1, 130 Lbs ; No 2, 105 Lbs Each.



Stove Pipe Formers, with Compensating Gear.

	Each.
No. 11—1¾ in. Rolls, 30 in. Long,	$19.00
No. 12—2 in. Rolls, 30 in. Long,	20.00

Weight No. 11, 100 Lbs ; No 12, 123 Lbs. Each



Iron Bottom Sheet Iron Folder.

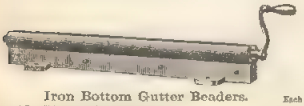
	Each
No. 2 30 in. Long Turns 3/16 to 1/2 in Locks	$7 00

Weight, 53 Lbs. Each.

Gutter Bealers.

	Each
No. 0—Cast Steel Rod, 30 in Long ½ to ¾ in. Diam.,	$10.00
No. 1—Cast Steel Rod, 20 in Long ⅜ to ⅝ in. Diam ,	5.50

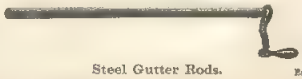
Weight, No 0, 66 Lbs , No 1, 30 Lbs. Each



Iron Bottom Gutter Beaders.

	Each
No. 02—With Enclosed Rod, 30 in Long,	$6.00
No. 11 With Enclosed Rod 20 in Long,	4 00

Weight, No. 02, 18 Lbs.; No. 11, 11 Lbs. Each.

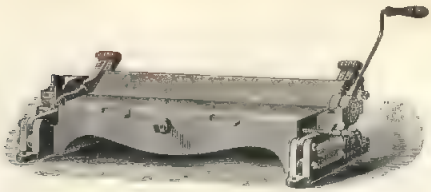


Steel Gutter Rods.

	Each.
No. 02—30 in Long, ½ to ⅝ in. Diam.,	$3.00
No. 11—20 in Long ⅜ to ⅝ in Diam ,	2 00

Weight, No. 02, 2 to 2½ Lbs.; No 11, 1¾ to 2¼ Lbs Each.

Tinners' Machines.



Tin Folding Machine.

Stow's Patent Adjustable Bar Folder.

No. 54—30 in. Long, Turns Locks from 1/32 to 1 in., ... Each. $40.00

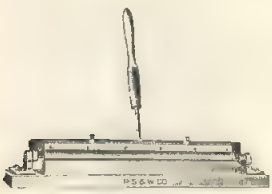
Weight, 155 Lbs. Each.

Tin Folding Machine.

Stow's Patent Adjustable Bar Folder

No. 152—20¾ in. Long, Turns Locks from 1/32 to 1 in., ... Each. $30.00

Weight, 90 Lbs. Each.



Wood Bottom Sheet Iron Folder.

No. 1 30 in. Long, Turns Locks from 3/16 to 1/2 in., Each. $10 00

Weight, 56 Lbs. Each.

Made with Milled Bar and Accurate Gauge, to be used with Tin as well as Sheet Iron.

Improved Sheet Iron Folder.

No. 10—30 in. Long, Turns Locks from 3/16 to 3/8 in., Each. $10.00

Weight, 58 Lbs. Each.

Tinners' Machines.

Wright's Patent Sheet Iron Folder.

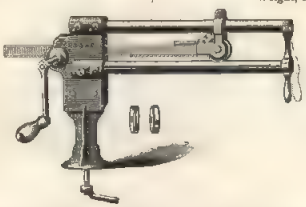
Each.

No. 1—30 in. Long, Turns Locks 3/16 and 1/8 in., Weight, 64 Lbs. Each. $13.00

Wright's Improved Sheet Iron Folder.

Each.

No. 12—30 in. Long, Turns Locks 3/16, 1/16, 1/8 and 3/16 in., Weight, 69 Lbs. Each. $15.00



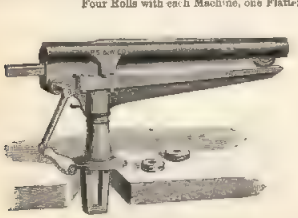
Grannis' Patent Grooving Machines.

Each.

No. 11—20 in Long, Rolls 1/16, 1/32 and 1/4 in. Grooves, with Standard, Weight, 85 Lbs. Each, $18.50

No. 12—30 in Long, Rolls 1/16, 1/4 and 3/8 in. Grooves, with Standard, Weight, 100 Lbs. Each, 18.00

Four Rolls with each Machine, one Flattening and three with Grooves, as listed above.

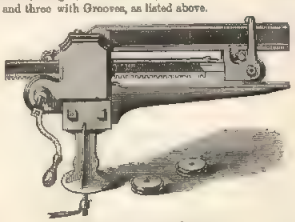


Stow's Encased Groover.

Each.

No. 1—20 in Long, for Heavy Work, with Rotary Standard, $13.50

Weight, 76 Lbs. Each.



Brass Mounted Groover.

With Steel Bar and Milled Horn.

Each.

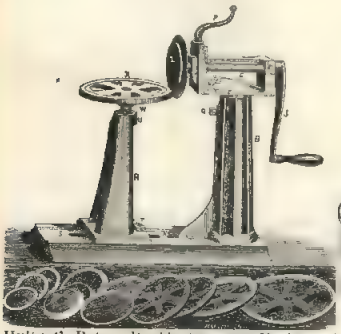
No. 01—20 in. Long, for Heavy Work, with Standard, $13.50

Weight, 76 Lbs. Each.

Tinners' Machines.

Stow's Patent Double Seaming Machine.

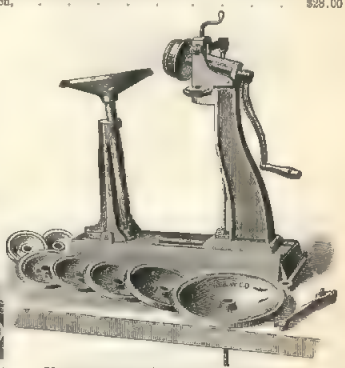
No. 5—With Setting Down Attachment, Six Flaring Discs, 4⅛, 4⅞, 5¾, 6¾, 8⅝ and 10⅞ in., and Five Straight Discs, 5, 5¾, 6, 6½ and 8 in., Weight 115 Lbs Each, ... Each. $38.00



Hulbert's Patent Double Seaming Machines.

No. 1 With Deflector, Four Flaring Discs 4⅛, 7⅛, 8⅝ and 11½ in.; Five Straight Discs, 4¼, 5⅜, 6¼, 8⅛ and 10¼ in., One Oval Edge Disc, 5⅞ in., and 4 Faces, . . . $30.00
Weight, 107 Lbs Each

No. 2 Without Deflector, with Four Flaring Discs, 4¼, 7⅜, 8⅝ and 11¼ in.; Five Straight Discs, 4¼, 5⅜, 6¼, 8⅛ and 10¼ in., One Oval Edge Disc, 5¾ in., and 5 Faces, . . 25.00
Weight, 107 Lbs. Each.



Olmsted's Double Seaming Machines.

No. 1—With Setting Down Attachment, Five Flaring Discs, 4½, 6¼, 7⅛, 8¾ and 11 in., and Three Straight Discs, 4, 5¾ and 8⅛ in., Each. $30 00
Weight, 102 Lbs Each

No. 2—Without Setting Down Attachment, with Five Flaring Discs, 4½, 6¼, 7⅛, 8¾ and 11 in., and Three Straight Discs, 4, 5¾, and 8⅛ in., ... 25 00
Weight, 95 Lbs Each

Tinners' Tools and Machines.

Waugh's Patent Bevel, Square and Circular Shears.

		Each
No. 1—With Bevel and Squaring Attachment.	Will cut any Square or Bevel, under 20 in., Circles 2¼ to 15 in., Weight, 70 Lbs Each.	$48 00

Samson Punch, Bolt Fastened, Wrought Iron Links.

		Each
No. 5—Improved, Depth of Jaw, 15 in.,	Weight, 95 Lbs Each.	$20 00

We warrant it to punch No. 9 Iron with "stay bolts" and No 12 without "stay bolts." Accompanying each Machine are three sets of Dies and Punches, viz., ⅜, 9/16 and ½ inch

Squaring Shears.

		Each
No. 130—Improved, 31 in Long, will Cut No. 18 Iron,	Weight, 400 Lbs. Each.	$52.00

Rolling Cutter Shears.

		Each
No. 11—Will Cut No. 20 Iron, Weight, 4 Lbs Each		$5.00
No. 12—Will Cut No. 16 Iron, Weight, 11 Lbs Each,		7 50

This Shear is operated by a Pinion I ever engaging in a rack and cutting with the continuous forward roll. Plus Disc

Combined Punches and Shears.

		Each
No. 1—4½ inch Cut, will Punch ⅜ inch Iron.		$18 00
No. 2—5½ inch Cut, will Punch 3/16 inch Iron		20 00

Weight No. 1, 100 Lbs., No. 2 130 Lbs. Each

These Machines are suitable for both cutting and punching metals. They may be used for cutting ⅜ inch sheets, and ⅛ and ¼ inch narrow bars. Four Punches are put up with No 1, viz., ⅛, 5/16, ⅜ and 7/16 inch. Five Punches are put up with No. 2, viz ½ in., ⅝ 11/16 and ¾ inch

Tinners' Tools.

Stakes.

Blowhorn.

	Each.
Large End 9 in., Small End, 17½ in. Long, Weight, 19 Lbs. Each.	$5.00

Beakhorn.

Nos.	1	2	4
Weight Each, Lbs.,	45	40	30
Each,	$15.00	13.25	10.00

Needle Case.

	Each.
Flat End 8 in., Small End 10½ in. Long, Weight, 4 Lbs. Each.	$2 25

Candle Mould.

	Each.
Small End 18 in., Horn, 8½ in. Long, Weight, 6½ Lbs. Each.	$2.75

Conductor.

	Each.
No. 1—Turned, Large End 15 in., Small End 11½ in. Long, Weight, 35 Lbs. Each.	$4 00
No. 2—Turned, Large End 14 in., Small End 10 in Long, Weight, 25 Lbs. Each.	3 00

Double Seaming.

	Each.
No. 1—Large End 17 in. Small End 12 in. Long, Weight, 34 Lbs. Each.	$9 00
No. 2—Each End 11 in Long, Weight, 29 Lbs. Each.	8.00

Round Head.

	Each.
Diam Head 3¼ in., 13½ in. Long, Weight, 11 Lbs. Each.	$1 25

Square.

	Each.
Size Face, 2⅝x4½ in., Weight, 11 Lbs. Each.	$3.00

Locomotive Oilers.

The only successful Long Locomotive Oiler. Absolutely no waste of oil, every oiler will pay for itself monthly in the saving of oil. It is made of best XX Calland Tin, bottom is Galvanized Iron, recessed in, and the body is wired at bottom, so there is no wear-out from motion of engine, as do those with the common bottom. The tips of the Spout are so made notice the joint for cleaning the valve - that new tips can be put on without any trouble, by preserving the tip and using the coupling This oiler is in use on the principal railroads in the country. A trial order respectfully solicited, and it will prove our claim that it is the best Oiler made.

		Per Dozen
No. 1	1 pint IXX, Bright Tin, 18 inch spout, ...	$10.00
No. 2	2 pint IXX, Bright Tin, 20 inch spout, ...	12.00
No. 3—3 pint IXX, Bright Tin, 24 inch spout, ...		14.00

Any length spout supplied.

All Tin and Galvanized Iron Ware Wired on the Bottom for Protection.

When Ordering Mention Number.

Oiler Sets.

Engineers', Copperized Steel.

Per Set.

No. 40—Medium, Six Pieces, Including 14 in. Tray, $7.00
Weight, 4½ Lbs. Per Set

No. 80—Large, Six Pieces, Including 14 in. Tray, . 9.00
Weight, 6 Lbs. Per Set.

Marine Engineers', Polished Brass.

Per Set.

No. 40B—Medium Size, Six Pieces, Including 14 in. Double Bottom, Recessed Tray, Highly Polished and Lacquered, . . . $9 00
Weight, 5 Lbs. Per Set
One Set in a Box

Tallow Pots or Fillers.

Copperized Steel.

Per Dozen.

No. 212—1 Quart, 6 in. Diameter, 5 in. High, . $21 00
Weight, 12 Lbs. Per Dozen
Loose

Per Dozen.

No. 100—2 Quart, IXX Tin, Hand Made, $15 00
Weight, 12 Lbs. Per Dozen.
Special Sizes and Shapes quickly Furnished.
Loose.

Torches.

Two Spout, Open Top.
Made of Steel and Brazed

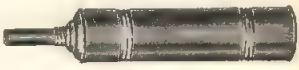
Per Dozen.

No. 25—2 Quart, Open Top, ... $14 00
Weight, 21 Lbs. Per Dozen.
Loose.

Engineers' Hand.

Per Dozen.

No. 32—1 Pint, IXX Tin, Hand Made, Used in Hand or with Handle, . . $6.00
Weight, 4 Lbs. Per Dozen.
Special Sizes and Shapes quickly Furnished.
Loose.



Engineers' Hand.
Loaded Bottom.

Per Dozen.

No. 10—IX Tin, 2¾x10 in., Hand Made, $12 00
Weight, 15 Lbs. Per Dozen.
Loose

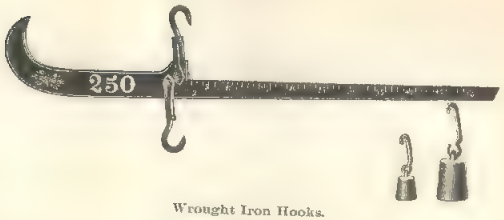
Jacket Lamps.

Copperized Steel.

Per Dozen.

No. 20¼—1½ Pint, 3⅝ in. Diameter, . . . $9.00
Weight, 8 Lbs. Per Dozen.
One Dozen in a Box

Scale Beams.



Wrought Iron Hooks.

Japanned Bronzed Stripes.

Nos. and Capacity in Lbs.,	10	15	200	250	300	360	400	500	600
Weight of Poises,	1 and 4	1 and 4	1 and 4	2 and 8	2 and 8	4 and 8	8 and 12	4 and 16	8 and 16
Weight Each, Complete, Lbs.,	8	9	10	16	18	21	25	28	38
Each,	$1.50	1.50	1.60	1.90	2.10	2.50	2.90	3.50	4.00

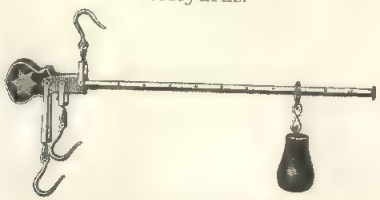
Packed Six in a Case

Extra Beam Poises.

Weight, Lbs.,	1	2	3	4	6	8	12	16
Each,	$0.25	.30	.40	50	70	.85	1.10	1 50

Loose

Steelyards.



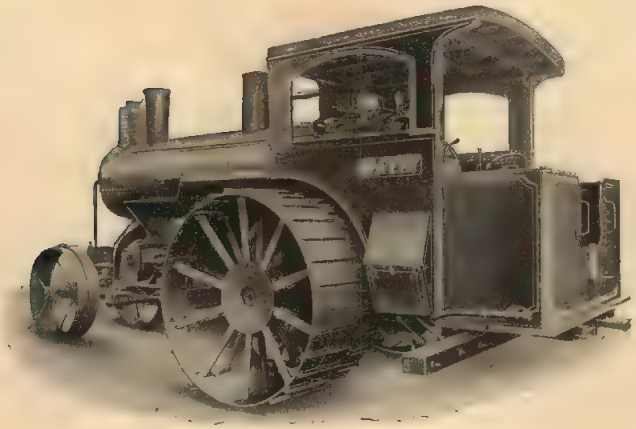
American or Domestic Pattern.

Balanced Heads and Stops, Head and Poises Painted Black.

Nos.	50	100	150	200
Weight,	50 by 1 Oz.	100 by 2 Oz.	150 by ¼ Lbs.	200 by ¼ Lbs.
Weight Per Dozen, Lbs.,	40	50	66	80
Per Dozen,	$6.00	7.60	9.00	10.00

Half Dozen in a Box.

THE AVERY UNDERMOUNTED TRACTION ENGINE



Avery undermounted, Double Cylinder Traction Engines are built in sizes 18, 20, 22 and 30 H. P.

These engines are designed as general "All-Purpose" traction engines. Boiler mounted independently, hence engine is more durable because no boiler strains. Pull of cylinders through gearing is in direct line with draft of load, hence engine is more powerful. All engine parts low down, hence handier to belt, to oil, to adjust and to keep clean. Labor saving, positive screw shaft guide.

For these reasons Avery Locomotive Undermounted Engines entirely out-class the top mounted style for heavy traction work, such as plowing, grading, heavy hauling, etc.

Complete catalogue and specifications furnished on application.

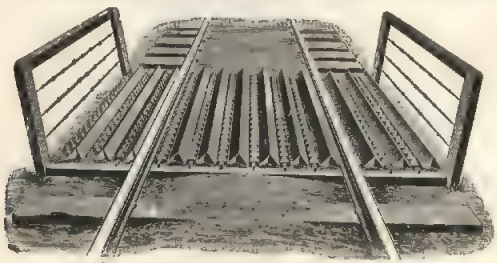
Pneumatic R. R. Crossing Grates.

Bogue & Mills System.

Standard No. 2 Street Crossing Gate—Pneumatic.

Pneumatic, Lever and Crank Gates for the Protection of Street and Railway Crossings and Drawbridges.

The most extensively used system of gates manufactured. The only gates made which are locked when down, making it impossible for any but the operator to raise them. They are not subject to interference from frost, moisture or wind. So simple in construction as to make it possible for men without mechanical experience to keep them in perfect balance and in good order More than one set may be controlled by a single operator. The House or tower may be located at any desired point or at any distance from the gates. Manufactured in six different styles In ordering gates, or requesting prices, please enclose Blue Print or Engineers' Drawings, showing street crossings and giving distance from curb to curb across roadbed, width of sidewalks, distance from post to post accross tracks, with location of tower or house for operator.

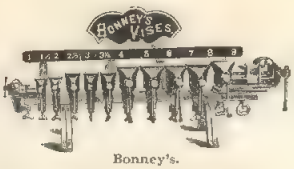


No. 14—Steel Surface Cattle Guard.

Made in four sections each formed from solid sheet without bolt or rivet; 9 feet long, 26 inches wide; Weight, 450 pounds each.

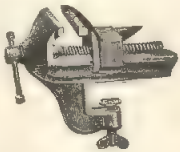
Price on application.

Vises.

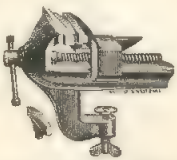


Bonney's.

Per Set.
Set of 12 Vises, From No 1 to 9, Inclusive (See Illustrations Below), With Sample Stand, ... $15.00
Weight, 55 Lbs Per Set.
One Set in a Box.



		Per Dozen.
No. 1	1¼ in. Jaws, Weight, 1¼ Lbs., . . .	$3.75
No. 1½	1½ in. Jaws, Weight, 1½ Lbs., . . .	5.00
No. 2	2 in. Jaws, Weight, 2 Lbs., . .	6 50
No. 4	—2¾ in. Plain Jaws, Weight 5 Lbs., .	$16.50
No. 6	—2¾ in. Steel Jaws, Weight, 5 Lbs., . .	19.50



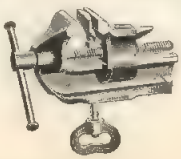
No. 3, Only With Swivel Jaw Attachment.

		Per Dozen.
No. 2¼	—2 in Steel Jaws, Weight, 2¼ Lbs.,	$ 9 75
No. 3	—2½ in Steel Jaws, Weight, 2½ Lbs.,	12 00
No. 3½	—2½ in. Plain Jaws, Weight, 2½ Lbs.,	8 50

With Swivel Jaw Attachment.

		Per Dozen.
No. 5	—2¾ in Plain Jaws, Weight, 5 Lbs.,	$19 50
No. 7	—2¾ in. Steel Jaws, Weight, 5 Lbs.,	22.50

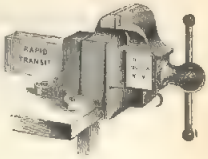
Both Nos 5 and 7 have Swivel Jaw Attachment.



Per Dozen
No. 8—2¾ in Steel Jaws, Weight, 5 Lbs., ... $19 50
No. 9—2¾ in Steel Jaws Weight, 5 Lbs., With Swivel Jaw Attachment, ... 22 50

Vises.

Prentiss' Patent.



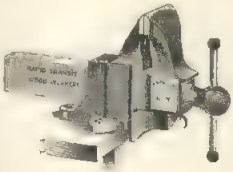
Machinists'.

Bull Dog, Stationary Bottom.

Nos.	50	52	54
Width of Jaws, Inches,	3½	4½	6
Jaws Open, Inches,	4	5½	7
Weight Each, Lbs.,	22	43	73
Each,	$7 00	8 50	14 00

Rapid Transit, Stationary Bottom.

Nos.	71	72	73	74	75
Width of Jaws, Inches,	3½	4½	4½	5½	6½
Jaws Open, Inches,	4½	5½	6½	8	9½
Weight Each, Lbs.,	30	48	62	88	140
Each,	$8 00	11 50	13 50	19 00	28.00

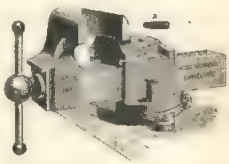


Coach Makers'.

Each

No. 76—Rapid Transit, Stationary Bottom, 4½ in. Jaws, Open 9 in., . . . $11 50

Weight, 52 Lbs. Each



Stationary Bottom, Self Adjusting Jaws.

Nos.	12	10
Width of Jaws, Inches,	3½	4½
Jaws Open, Inches,	7	9½
Weight Each, Lbs.,	30	59
Each,	$8.00	11.00

Swivel Bottom, Self Adjusting Jaws.

Nos.	27	26
Width of Jaws, Inches,	3½	4½
Jaws Open, Inches,	7	9½
Weight Each, Lbs.,	34	67
Each,	$9.50	18.00

Scales.

Buffalo Scale Co.'s.

Union Single Beam.

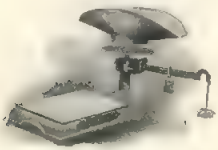
No. 768—(Old Number 120B), Japanned and Bronzed Seamless Tin Scoop, Capacity ½ Oz. to 245 Lbs., Weighs 32 Lbs. in Scoop, Platform 10x13¾ in., Each $14.00

Weight, 50 Lbs. Each.

Union Double Beam.

No. 772—(Old Number 123B), Japanned and Bronzed, Seamless Tin Scoop, Capacity ½ Oz. to 245 Lbs., Weighs 32 Lbs. in Scoop, Platform 10x13¾ in., Each $15.00

Weight, 60 Lbs. Each

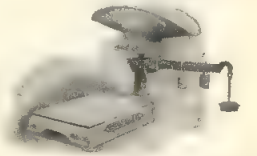


Improved Union Single Beam.

With Two Platforms.

No. 776—(Old Number 125B), Japanned and Bronzed Seamless Tin Scoop, Capacity ½ Oz. to 245 Lbs. Weighs 32 Lbs. in Scoop, Platform 10x13¾ in., Each $14 50

Weight, 60 Lbs. Each.

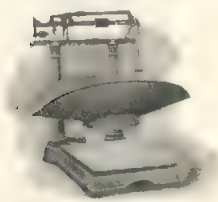


Improved Union Double Beam.

With Two Platforms.

No. 780—(Old Number 127B), Japanned and Bronzed Seamless Tin Scoop, Capacity ½ Oz. to 245 Lbs., Weighs 32 Lbs. in Scoop, Platform 10x13¾ in., Each $15 00

Weight, 60 Lbs. Each.



Queen City, Grocers'.

Nickel Plated Beam and Poises, Double Beam Marked on Both Sides, Handsomely Finished Throughout.

Size of Platform, 14½x10½ in., Pillars, 15¼ in. High.

No. 790—(Old Number 76B), Large Seamless Tin Scoop, Capacity 250 Lbs. by Oz., Each $24.00

No. 792—(Old Number 76B), Large Seamless Brass Scoop Capacity 250 Lbs by Oz., Each 25 00

Weight, No 790, 75 Lbs.· No 792, 75 Lbs. Each

Boston Market.

Nickel Plated Beam and Poises, Double Beam Marked on Both Sides.

No. 680—(Old Number 70B), Bright Vermilion Finish, 16 in. Marble Slab. Capacity 30 Lbs by Oz., Each $24 00

No. 682—(Old Number 71B), Bright Vermilion Finish 16 in Marble Slab. Capacity 60 Lbs. by Oz., Each 25 00

Weight, No. 680, 90 Lbs., No 682, 75 Lbs Each

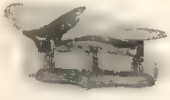
Scales.

Buffalo Scale Co.'s

Tea.

		Each.
No. 724—(Old Number 8 3B), Japanned, Single Beam Tin Scoop, Capacity ¼ Oz. to 10 Lbs.		$8 00
No. 726—(Old Number 81B), Japanned, Single Beam Brass Scoop, Capacity ¼ Oz. to 10 Lbs.		9.00

Weight, 25 Lbs. Each



Even Balance, Without Side Beam.

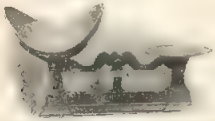
	Each.
No. 618—(Old Number 40B), Japanned and Bronzed, Seamless Brass Scoop, Capacity ¼ Oz. to 10 Lbs.	$8 00

Weight 40 Lbs. Each.

Even Balance, With Side Beam.

	Each.
No. 620—(Old Number 41B) Japanned and Bronzed, Seamless Tin Scoop, Capacity ¼ Oz. to 4 Lbs.	$5.00

Weight, 25 Lbs. Each.



Improved Even Balance, With Side Beam.

	Each.
No. 632—(Old Number 50), Extra Finish, Black and Gold, Seamless Tin Scoop, Capacity ¼ Oz. to 4 Lbs.,	$6 00
No 638—(Old Number 51), Extra Finish, Black and Gold, Seamless Brass Scoop, Capacity ¼ Oz. to 8 Lbs.,	7 75

Weight, No 632, 25 Lbs; No. 638, 30 Lbs. Each.

Butter Trip, With Porcelain Plates.

	Each.
No. 652—Japanned and Bronzed, Without Side Beam 10 in. Plate Capacity ¼ Oz. to 10 Lbs.	$ 9.50
No. 662 Japanned and Bronzed, With Side Beam, 12 in. Plate Capacity ¼ Oz. to 25 Lbs.	21 00

Weight, No 652, 60 Lbs; No. 662 88 Lbs. Each.

Grocers', Single Beam.

	Each.
No. 748—(Old Number 95B) Japanned and Bronzed Seamless Tin Scoop, Capacity ½ Oz. to 62 Lbs.,	$12 00

Weight, 60 Lbs. Each.

Grocers', Double Beam.

	Each.
No. 754—(Old Number 93B), Japanned and Bronzed, Seamless Tin Scoop, Capacity ½ Oz. to 62 Lbs.	$13 00

Weight, 60 Lbs. Each.

Portable Platform Scales.

Buffalo Scale Co.'s.

With Wheels and Sliding Poise.

Nos.	1200	1202	1204	1206	1208	1210
Capacity, Lbs.,	400	600	800	1000	1200	1600
Platform, In	21x15	25x16	25x17	2[illegible]x17	28x20	30x[illegible]¼
Shipping Wt, Lbs.,	150	175	190	200	325	345
Each,	$26 00	33 00	38 00	43 00	48 00	56 00

Nos 1200 to 1204, 50 Lb Beam, marked in ½ Lbs
Nos 1206 to 1210, 100 Lb Beam, marked in ¼ Lbs

Drop Lever, With Wheels and Sliding Poise.

Nos.	1242	1244	1246
Capacity, Lbs.,	1000	1200	1600
Platform, In.,	26x17	28x20	30x21¼
Shipping Weight Each, Lbs.,	240	345	395
Each,	$50.00	55.00	69.00

100 Lb Beam marked in ¼ Lbs

Buffalo Scale Co.'s.

Salt Meat, Fish and Tannery.

With Wheels and Sliding Poise.

This Scale has a solid iron platform with flanges around the edges which protect the working parts of the Scale.
In weighing salt meats and fish the brine, etc., will run off and can not get into the Scale

No.	1376
Capacity, Lbs.,	600
Platform, In.,	25x16
Shipping Weight Each, Lbs.,	180
Each,	$35 00

50 Lb Beam marked in ½ Lbs

Hartford.

With Wheels and Sliding Poise.

Nos.	10	20	30	40
Capacity, Lbs.,	600	800	1000	1200
Platform, In.,	16x25	16x25	17x26	17x26
Shipping Wt Each, Lbs.,	165	168	180	200
Each,	$16 50	18 50	21 00	23 25

Nos. 10 and 20, 100 Lb Beam, marked in ¼ Lbs
Nos. 30 and 40, 100 Lb Beam, marked in ½ Lbs

Portable Platform Scales.

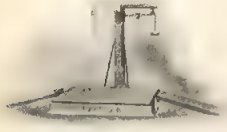
Buffalo Scale Co.'s.

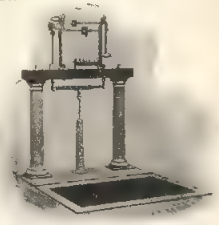
Pork and Grain.

With Wheels and Sliding Poise

No.	1442	1446	1450
Capacity, Lbs.,	1000	1800	2500
Platform, In.,	42x31½	42x31½	44x35
Shipping Weight, Lbs.,	620	630	675
Each,	$73.00	78.00	100 00

100 Lb. Beam, Marked in ½ Lbs





Wheelbarrow, Without Wheels.

No Wood is used in the construction of this Scale. The Scale is intended for weighing wheelbarrow loads of coal, etc and platform is suitable size. Pillar braced. A set of irons is included with Scale

No.	1451
Capacity, Lbs.,	1000
Platform, In.,	42x30
Shipping Weight Each, Lbs.,	700
Each,	$70 00

100 Lb. Beam, Marked in 1 Lbs

Short Pillar, Dormant, Iron Frame.

These Scales are furnished with short pillars as shown in cut. Hardwood shelf and upright standards, handsomely finished,

No.	1735
Capacity, Lbs.,	2500
Platform, In.,	37x46
Shipping Weight Each, Lbs.,	750
Each,	$89 00

100 Lb. Beam, Marked in ½ Lbs.

Scale Weights.

For Even Balance Scales.

Sizes, Oz.,	½	1	2	4	8	16	32	64
Each,	$0.15	.15	.15	15	.30	.30	.45	.75

Large

For Platform Scales.

Sizes, Lbs.,	50	100	200	300	400	500
Each,	$0 30	.30	.45	.60	.75	.90

Scales.

Buffalo Scale Co.'s.

Tobacco.

Each

No. 704 (Old Number 79B), Seamless Brass Scoop, Capacity ¼ Oz. to 1 Lb., . . . $6.50

Weight, 15 Lbs. Each.

Postal.

Each.

No. 500 (Old Number 15B), Handsomely Finished, Capacity ¼ to 9 Oz., 15 Grn. Wts., $3 00

Weight, 5 Lbs. Each

Confectioners'.

Each.

No. 794—Elegantly Finished, Upper Part Brass, Nickel Plated Marbleized Base, with Side Beam, Scoop will Hold 3 Lbs. Candy, ... $25 00

Weight, 40 Lbs Each

Percentage or Moisture.

Flax Seed.

For ascertaining the percentage of dirt in seed. Beam is graduated to full capacity and also has the percentage graduation 0 to 100.

Each

No. 710—With Brass Scoop, Capacity ¼ Oz. to 1 Lb., $6 00

Sieves for No. 710, . . . 2.00

Weight, 15 Lbs. Each.

Ore.

Used in smelting plants for ascertaining the percentage of moisture in ores. Beam shows full capacity and also the percentage graduation 0 to 100

Each

No. 711 With Brass Scoop, Capacity ¼ to 50 Oz., $10 00

Weight, 15 Lbs. Each.

Grain Testers.

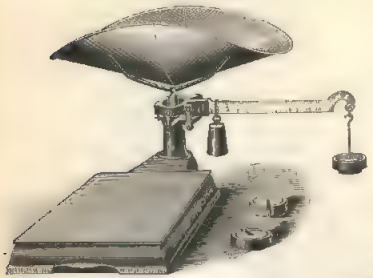
Beam balances at zero and is graduated so that by filling Cup the Beam will show exactly the number of pounds to the bushel

Each.

No. 1767—2 Quart Grain Tester, $15 00

Weight, 10 Lbs. Each.

Scales.

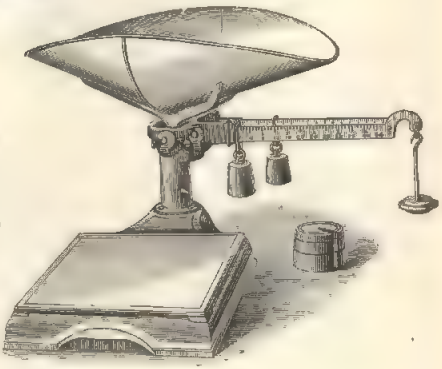


Union Single Beam.

Each

No. 1—Painted and Stripped, Capacity ½ Oz. to 240 Lbs., . . . $5.50

Weight, 45 Lbs. Each

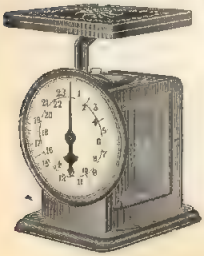


Union Double Beam.

Each.

No. 2—Painted and Stripped, Tin Scoop. Capacity, ½ Oz. to 230 Lbs., . $6.50

Weight, 50 Lbs. Each.

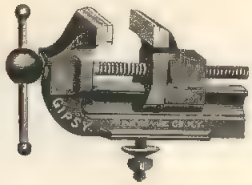


Family.

Each

No. 777—Made of steel, handsomely enameled and decorated in gilt. Can be instantly adjusted. Capacity, 24 Lbs., by ounces. Large white enameled dial, very clear and distinct. Packed one in a box, one dozen in a case, weight boxed, 41½ pounds, . $1.50

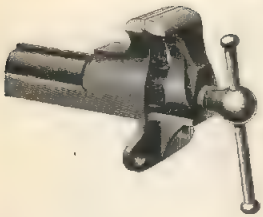
Vises.



Gipsy.

	Each
No. 66—3½ in Jaws Open 4 in.	$8 00

Weight 15 Lbs Each.



Oval Slide, Steel Faced Jaws.

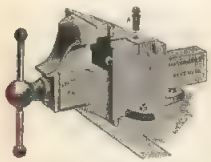
Nos.	0	1	2	3
Width of Jaws, Inches,	2½	3	3½	4
Weight Each, Lbs.,	11½	18	23½	33½
Each,	$3 80	5.40	6.75	9.00

Stationary Bench.

Nos.	100	101	102	103
Width of Jaws,	3½	4	4½	5
Weight Each, Lbs.,	28	40	50	70
Each,	$7.00	8.50	10.00	13 00

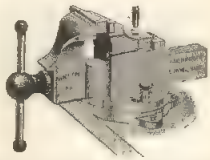
Prentiss' Patent.

Machinists'.



Stationary Bottom, Self Adjusting Jaws.

Nos.	2	3	4	5	6
Width of Jaws, Inches,	3½	4½	5½	6	7
Jaws Open, Inches,	4½	6	8	9	11
Weight Each, Lbs.,	23	54	96	146	184
Each,	$7.00	10.50	17.00	24.00	30.00



Swivel Bottom, Self Adjusting Jaws.

Nos.	19	20	21	22	23
Width of Jaws, Inches,	3½	4½	5½	6	7
Jaws Open, Inches,	4½	6	8	9	11
Weight Each, Lbs.,	32	65	109	168	207
Each,	$8.50	12.50	19.00	27.00	35.00

Solid Box Vises.

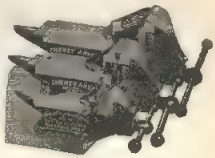
Blacksmiths.'

Nos. and Weights,	35	40	45	50
Width of Jaws, Inches,	3½	4	4½	4½
Each,	$10.00	10.50	11.00	11.50
Nos. and Weights,	**55**	**60**	**65**	**70**
Width of Jaws, Inches,	4½	5	5	5½
Each,	$12.00	13.00	14.00	15.00
Nos. and Weights,	**75**	**80**	**85**	**90**
Width of Jaws, Inches,	5½	5½	5½	5½
Each,	$16.00	17.50	18.50	20.00
Nos. and Weights,	**95**	**100**	**110**	**120**
Width of Jaws, Inches,	5½	6	6	6½
Each,	$21.00	22.00	24.00	26.00
Nos. and Weights,			**130**	**140**
Width of Jaws, Inches,			6½	7
Each,			$29.00	33.00

Vise Boxes and Screws.

	Each.
No. 1—For No. 30 to 50 Vises, Weight, 10 Lbs. Each,	$3.50
No. 2—For No. 55 to 70 Vises, Weight, 12 Lbs. Each,	4.00
No. 3—For No. 75 to 85 Vises, Weight, 14 Lbs. Each,	4.50
No. 4—For No. 90 to 100 Vises, Weight, 18 Lbs. Each,	6.50
No. 5—For No. 105 to 125 Vises, Weight, 23 Lbs. Each,	8.00
No. 6—For No. 130 to 196 Vises, Weight, 30 Lbs. Each,	9.50

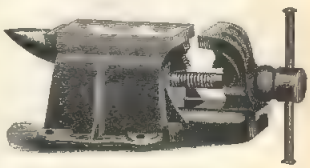
Combined Anvils and Vises.



Cheney's.

Chilled Face Anvil, Cast Steel Vise Jaws.

Nos.	10	20	30	40
Jaws, Inches,	2½	3½	4	4½
Face of Anvil,	4½2	6½3	8x3¾	8½4
Weight Each, Lbs.,	9	25	35	50
Each,	$3.50	4.50	5.50	6.50



Austin's.

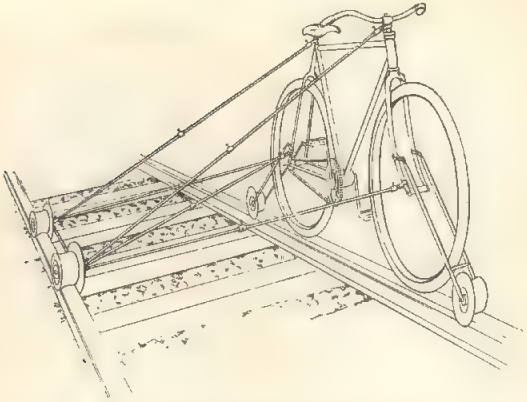
Hardened Face Anvil, Hardened Face Jaws, With Pipe Jaws.

No. 3—Width of Jaws 3 in., Open 4 in., . . . $3 50

Weight 33 Lbs Each.

	Each.
Diamond, 4 in. Jaws, Anvil Face, 5x7 in., Clamps Pipe up to 2 in., Weight, 42 Lbs., . . .	$5.00
Diamond 4 in. Jaws, Anvil Face, 5x7 in., With Drill Attachment, Weight, 51 Lbs., . . .	7.00

Drill Attachments are Packed Separate.



Coey No. 3 Flyer R. R Attachments.

Is built for that class wanting constant use of a rig for carrying extremely heavy loads and who will seldomd etach attachment from bicycle. There are no other flanges, only handle flanges are on four wheels. This is our very latest design and is bound to meet with great success. It is as reliable as a hand car.

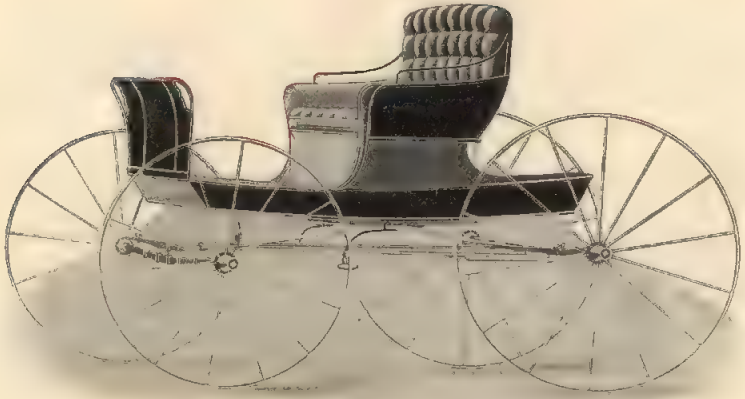
Each, ... $20.00

Kelly Adjustable Handle Bar.

The Best Bar Now on the Market

Kelly Forward Extension Bar 24 in. Ford. with Expander, Each, ... $2.50
Kelly 05-Bar with Expander, Each, ... 2.00

All Bars are Shipped Without Grips Unless Otherwise Ordered.



No. 21—Concord Buggy.

		Each
No. 21	Rough Driving,	$97.00

Write for Special Vehicle Catalog and Prices.

Vehicles.

No. 610¾ Heavy 1¼ Inch Spring Wagon.

Carrying Capacity 1500 Lbs., List Price $110.00.
Write for Special Vehicle Catalog and Prices.

Tubular Lanterns.

No. 0, Paull's Leader.

With Wire Attachment and Guards

Per Dozen.

No. 0—Side Lift, With No. 0 Globe and ⅜ in. Wick. $9.50

Weight, 35 Lbs. Per Dozen

One Dozen in a Case.

Victor, Side Lift.

With Wire Attachment and Guards

Per Dozen.

No. 0—Side Lift, with No. 0 Globe and ⅜ in. Wick, $9.50

Weight, 35 Lbs. Per Dozen

One Dozen in a Case.

Royal, Side Lift.

With Wire Attachment and Guards

Per Dozen.

No. 1B—Side Lift, 1 in. Wick and No. 0 Globe Fount Holds 1¼ Pints of Oil. . . $13.00

Weight, 40 Lbs. Per Dozen

One Dozen in a Case.

Anti-Friction.

Crank Lift Attachment and Guards

Per Dozen.

No. 0—Anti-Friction, with No. 0 Globe and ⅜ in. Wick $10.50

Weight, 35 Lbs. Per Dozen

One Dozen in a Case.

Crystal, Glass Fount.

Top Lift, with Wire Attachment and Guards.

Per Dozen.

No. 0—Glass Fount, with No. 0 Globe and ⅜ in. Wick, $13.00

Weight, 45 Lbs. Per Dozen.

One Dozen in a Case.

Per Dozen.

Extra Founts, for Crystal Lanterns, . . $5.00

Cold Blast.

Round Tube, Bottom Lift, Wire Guards

Per Dozen

No. 1—Cold Blast No. 0 C. B Globe, ⅜ in. Wick, . $13.50

Weight, 45 Lbs. Per Dozen

No. 2—Cold Blast, No. 0 C. B Globe, 1 in. Wick, . 16.00

Weight, 54 Lbs. Per Dozen.

No. 1, 1 Dozen, No. 2, Half Dozen in a Case.

Tubular Driving Lamps.

Dietz.

For Kerosene, 20 Candle Power, Perfect Combustion, can be placed in Front of Dash by means of Permanent Spring on Back or on Right or Left of Dash with Holder. Black Japanned and Fitted with Flint Glass Lens.

Per Dozen

Driving Lamp—Without Holder $12 00
Holder Extra 4 00

Weight 70 Lbs per Dozen. Half Dozen in a Case.

Marine Lanterns and Signal Lights.

River and Lake, Oil Style Lanterns.

Tin Double Guard Brass Lard Oil

Per Dozen.

No. 7—With White Globe. $12 00
No. 7—With Green Globe. 17 50
No. 7—With Ruby Globe. 21 00

Weight, 26 Lbs. per Dozen

Anchor Light.

Each

No. 205—Anchor Light, 6 in. Fresnal White Globe, Galvanized Iron, No Chimney, ¾ in. Wick, Burner for Kerosene Oil, . . . $7 50

Weight 6¾ Lbs. Each.

Bow Light.

Each

No. 215—Bow Light, White Globe, Galvanized Iron, 6x6 in. Fresnal Glass, Burner for Kerosene Oil, No Chimney, ... $8 00

Weight, 7¼ Lbs. Each.

Side Lights.

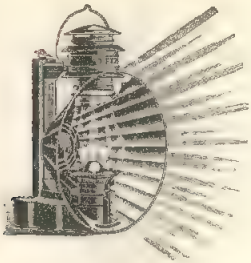
Each

No. 195—Green Starboard Side Light, 6x6 Fresnal Glass Galvanized Iron, Burner for Kerosene Oil, No Chimney, ... $9 00

No. 195—Red Port Side Light, 6x6 Fresnal Glass, Galvanized Iron, Burner for Kerosene Oil, No Chimney, ... 9 00

Weight, 7¾ Lbs. Each.

Lamps.



Per Dozen.

No. 30—Revolving Search Light, Tin, Finished Blue Japan, Bull's Eye Lens on Plate, ... $30.00

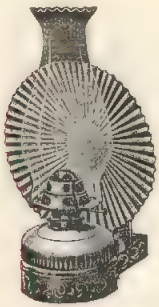
Reflector—Is twelve inches in diameter, and can be revolved so the Light can be thrown in different directions.

B. E. Flint Lens—Is attached to the perforated plate inside of the Globe is always in place, and is to be used with the plain No. 0 Tubular Globe

Burner—Is No. 2 Tubular, using a one inch Wick

This Lamp is designed for lighting Factories, Mills, Foundries, Stores, Livery Stables, Warehouses, and can be filled, lighted, regulated and extinguished without removing the Globe.

One Quarter Dozen in a Case Weigh 20 Lbs.



Per Dozen.

Reliant—Side Lamp, Japanned, with Glass Fount, Complete with Reflector, No. 2 Burner and Chimney, ... $5.00

One Dozen in a Case Weigh 25 Lbs.

Per Dozen.

Climax—Side Lamp, Japanned. Tin Reflector, No. 2 Burner, Complete with Chimney, $6.00

One Dozen in a Case Weigh 20 Lbs.

Tubular Lamps.

Square Street.

No. 2—16 in. High, can be regulated to burn a certain number of hours, with Automatic Extinguisher, No. 3 Burner, 1⅛ in. Wick, ... $8.00 Each.

Weight, 39 Lbs. Each, Boxed.

One in a Case.

Globe Street.

No. 3—22½ Candle Power, 27 in. High, can be regulated to burn a certain number of hours with Automatic Extinguisher No 3 Burner, 1⅛ in. Wick and No 3 Globe, . $6.00 Each.

Weight, 27 Lbs. Each, Boxed.

One in a Case

Globe Hanging.

No. 3—22½ Candle Power, 23 in. High, can be regulated to burn a certain number of hours, with Automatic Extinguisher, No. 3 Burner, 1⅛ in Wick and No. 3 Globe, $6.00 Each.

Weight, 25 Lbs. Each, Boxed.

One in a Case.

Marshall-Wells Hardware Co.

Dixie Saw Guides.

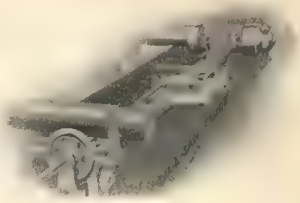
No. 2 Dixie Saw Guide.

Our No. 2 Dixie Guide is adapted for mills of from 10,000 to 25,000 feet daily capacity. It is amply heavy for the service; all wearing parts adjustable. It is either right or left hand without any change, jaws swinging out of the way to change saws. Saw guide pins two inches in diameter.

Guide adjustable without danger while saw is running.

All parts made to template and interchangeable. Distance from saw to center of bolt slot can vary from 5 to 8 inches, so that it can be used on any mill of medium size. This guide is standard on our Dixie O Mill.

Weight 55 Pounds.

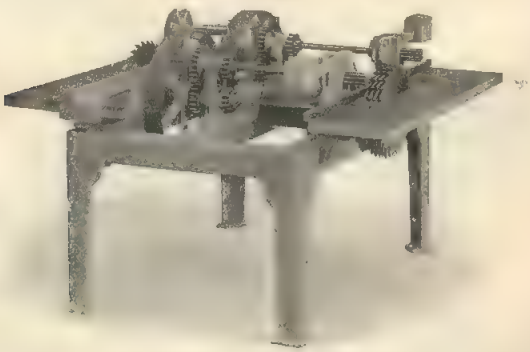


No. 1 Dixie Saw Guide.

The saw guide shown above is the style used on all our portable mills. The lead of saw can be changed while running, without risk to sawyer, as it is adjusted from end of back frame. All parts are carefully fitted so that there is absolutely no lost motion. This guide can be attached to any make of mill, either right or left hand. The guide pins are hard wood, very large in diameter, and quickly replaced when worn out.

Weight 24 Pounds.

Dixie Iron Frame Lath, Picket and Bolter Machine.



Machine carries three or four 14-in. Lath or Picket Saws and one 16-in. Bolter Saw. Has power feed on both sides. Feed rolls are corrugated and adjustable for stock from ¾-inch to 3-inches in thickness.

Adjustable lumber gauge on both sides. The bolter gauge slides in planed ways, and is set with a single hand screw. It is always parallel to saw line.

A roller is provided on bolter side to prevent the return of cut portion.

One set of collars each, for lath or pickets, and one set of solid-tooth saws, furnished with each machine.

This machine is very heavy and will stand an enormous amount of wear. It is built of the best material and workmanship.

Shipping Weight, 1,250 Pounds.

Saw Mill Machinery.

Swing Saw Hinges.

Cast Steel Circular Saw Mandrels Standard. **Cast Steel Yoke Mandrels.**

No.	Hole in Saw.	Size of Saw, Inches.	Size of Mandrel.	Diameter of Collars.	PULLEY. Diam	PULLEY. Face.	Length of Frame. Standard.	Out to Out Boxes. Yoke.	C to C of Bolt Holes. Standard.	C to C. of Bolt Holes Yokes.
1	$\frac{3}{4}$	5 to 10	$1\frac{5}{16}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$	$13\frac{3}{4}$	14	$10\frac{3}{4}$	10
2	1	12	$1\frac{7}{16}$	3	4	$4\frac{1}{2}$	$15\frac{3}{4}$	16	$12\frac{1}{4}$	$11\frac{1}{2}$
3	$1\frac{1}{8}$	14 to 18	$1\frac{9}{16}$	$3\frac{1}{2}$	5	$5\frac{1}{2}$	$18\frac{1}{2}$	20	15	15
4	$1\frac{1}{4}$	20 to 24	$1\frac{5}{16}$	4	6	$6\frac{1}{2}$	$18\frac{1}{2}$	20	15	15
5	$1\frac{3}{8}$	26 to 28	$1\frac{7}{16}$	$4\frac{1}{2}$	7	$7\frac{1}{2}$	$19\frac{1}{2}$	20	$15\frac{3}{4}$	15
6	$1\frac{1}{2}$	30 to 36	$1\frac{9}{16}$	5	8	$8\frac{1}{2}$	$19\frac{1}{2}$	20	$15\frac{3}{4}$	15

Hinge has $3\frac{1}{4}$-inch hole, saw runs in it but does not bear on shaft. Has two oil collars so that Hinge may be on top of timber or under timber, as most convenient. Means of adjustment in Hinges to properly line up Saw.

Hand-Feed Edger.

Specifications.

Saw 20 inches, 10 gauge, arbor 1 5-16 inch diameter, 18 inches over 1 a saw seat, runs in heavy cast iron yoke frame, pulley 6 inch diameter, $6\frac{1}{2}$ inch face; carriage 16-feet long, 22 inches wide, made of 2 inch strips and 2 inch spaces, so that boards may be cut parallel and to dimension without any gauges. Wheels 9-inch diameter, same as used on small saw mills, wheels on axles running in self-oiling boxes; trackway in three 12-feet lengths, iron legs.

Each section is 12-feet long with track in place. In shipping legs are separate. Each machine is completely set up, and then knocked down to ship.

This is a machine far superior to the ordinary hand-feed edger in weight and design.

Attention is called to the large-sized wheels under carriage and the improved table and carriage which makes it easy to cut parallel boards without any measuring.

Irons only can be furnished when desired, comprising saw, arbor, trucks, track and bolts, but no legs.

Price on Application.

Railroad Plows.

Western.

		Each
No. 5—	Four Horse, Wood Beam, Iron Strapped, Cut 11 in., Steel Mould Board and Share, with One Extra Share. Weight 155 Lbs.,	$45 00
No. 2—	Eight Horse, Wood Beam Iron Strapped, Cut 12 in., Steel Mould Board and Shares, with One Extra Share, Weight 260 Lbs.,	60:00

Extra Parts.

		Each.
No. 15—	Shares. For No. 5 Plow Wt 25 Lbs Each,	$ 7 50
No. 12—	Shares. For No 2 Plow Wt. 40 Lbs Each.	10.00
No. 25—	Mould Boards. For No. 5 Plow,	6.00
No. 22—	Mould Boards. For No. 2 Plow,	7.50

Weight, No. 25, 15 Lbs.; No 22, 20 Lbs. Each

Dorsch's.

For Use in Hard-Pan, Shale Rock, Hard Baked Soils, Etc.

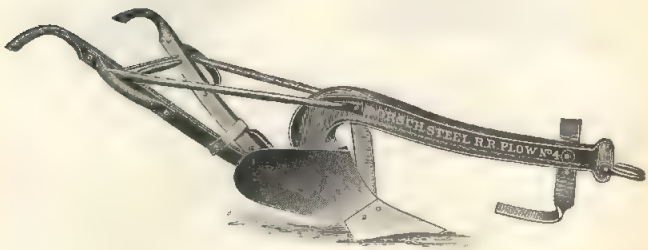
		Each.
No. 2D—	Dorsch's Railroad Plow, Malleable Iron Beam Steel Mould Boards, With One Extra Share.	$32 50

Weight, 185 Lbs. Each.

Extra Parts.

	Each.
Steel Mould Boards, Weight 20 Lbs Each.	$5.00
Steel Landsides Weight, 8 Lbs Each.	1 50
Best Steel Shares, Weight, 8 Lbs Each,	4 00
Forged Steel Shares, Weight, 10 Lbs. Each.	5.00

Railroad Plows.



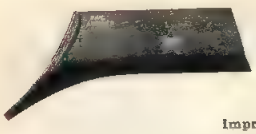
Dorsch.

		Each
No. 4—	Dorsch Railroad Plow, Malleable Iron Beam, Steel Mouldboards with One Extra Share. This Plow is Adapted for the Hardest Kind of Soil and can be used with 12, 14, or 16 Horses. It is absolutely the best Plow of its kind that has ever been produced and is perfectly indestructible,	$55.00

Weight, 300 Lbs. Each.

Plow Shares or Lays.

Star.



Improved Upset Shins.

No. 1—Soft Center, Steel Shares.

Length, Inches,	12	14	14	16	16	18
Width, Inches,	6	6	6¼	6	6¼	6¼
Weight Each, Lbs.,	7¼	8¼	9	9½	10	11
Per Pound	80 34	34	34	34	34	34

No. 2—Solid Cast Steel Shares.

Length, Inches,	12	14	14	16	16	18
Width, Inches,	6	6	6¼	6	6¼	6¼
Weight Each, Lbs.,	7¼	8¼	9	9½	10	11
Per Pound	80 .21	.21	.21	.21	.21	.21

No. 3—Solid Crucible Cast Steel Shares.

Length, Inches,	12	14	14	16	18
Width, Inches,	6	5¾	6¼	6¼	6¼
Weight Each, Lbs.,	6	7½	8¾	10	11
Per Pound,	80 .24	.24	24	.24	.24

No. 4—Breaker Shares, Plain Pattern.

Length, Inches	12	14	16	18
Width, Inches	6¼	6¼	6¼	6¼
Weight Each, Lbs.,	7½	8¼	9¾	10¼
Per Pound	80 21	21	21	21

Landside Plates.

No. 3—Crucible Cast Steel.

Length, Inches,	14		16
Weight Each, Lbs.,	9		8½
Per Pound,	80 22		22

Iron Landside Points.

	⅛ Inch.			⅜ Inch.	
Length, Inches,	14	16	Length, Inches,	14	16
Weight Each, Lbs.,	2¾	3	Weight Each, Lbs.,	3	3½
Each	80 .36	.40	Each	80 48	.50

Ideal.

Steel Shapes.

No. 10—Solid Cast, Single Shin Shares.

Length, Inches,	12	14	14	16	18
Width, Inches,	6	6	6¼	6¼	6¼
Weight Each, Lbs.,	7½	8½	9	10	11
Per Pound,	80 21	21	21	21	21

No. 12—Crucible, Single Shin Shares.

Length, Inches,	12	14	14	16	18
Width, Inches,	6	6	6¼	6¼	6¼
Weight Each, Lbs.,	7½	8¼	9¾	10	11
Per Pound,	80 24	24	24	24	24

No. 14—Crucible, Ribbed Shin Shares.

Length, Inches	12	14	14	16	18
Width, Inches,	6	6	6¼	6¼	6¼
Weight Each, Lbs	7½	8½	9¼	10¾	11¾
Per Pound	80 24	24	24	24	24

No. 16—Soft Center, Single Shin Shares.

Length, Inches,	12	14	14	16	18
Width, Inches,	6	6	6¼	6¼	6¼
Weight Each, Lbs.,	7½	8¼	9¼	10	11
Per Pound,	80 34	34	34	34	34

No. 18—Soft Center, Ribbed Shin Shares.

Length, Inches,	12	14	14	16	18
Width, Inches,	6	6	6¼	6¼	6¼
Weight Each, Lbs.,	7½	8½	9¾	10¾	11¾
Per Pound	80 34	34	34	34	34

Open Hearth Breaker

Length, Inches,	12	14	16	18
Width, Inches,	6	6¼	6¼	6¼
Weight Each, Lbs.,	7½	9	10	11
Per Pound	80 21	21	21	21

Mould Boards, Soft Center Pointed, Shaped and Polished,

Length, Inches,	12	14	16
Weight Each Lbs.,	15	16	18
Each	80 37	37	37

Landside Points, Forged

	Each
14x⅞x⅛ in., Weight, 2¾ Lbs., Each,	80 36
14x1⅛ in., Weight, 2¾ Lbs. Each	36
14x1⅜ in., Weight, 3 Lbs., Each	46
16x1⅛ in., Weight, 3½ Lbs., Each,	40
16x1½ in., Weight, 3 Lbs., Each	43
16x1⅜ in Weight 3½ Lbs., Each,	50

Landside Plates, Soft Center

Length, Inches	14	16
Weight Each, Lbs	5	5½
Per Pound	80 34	34

Rolling Coulter Blades

Length, Inches	13	14	15
Weight Each, Lbs.,	4½	5½	6¼
Each	81 15	1 40	1 65

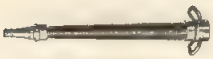
Screw Coulter Hubs

Can be Attached to Any Make of Coulter

Weight Each, Lbs.,	2⅝
Each	80 46

Marshall-Wells Hardware Co.

Hose Pipes.



Brass, Swivel Handle.

Size Hose, Inches,	2	2½
Length, Inches,	20	30
Wt. Each, Lbs.,	6	7
Each,	$7.50	11 00

Corded and Painted, Swivel Handle.

Size Hose, Inches,	2	2½
Length, Inches,	20	30
Wt. Each, Lbs.,	6	7
Each,	$9 00	12.00

In Ordering, Send Sample of Coupling Showing Style of Thread Wanted

Brass, With Cock.

Size Hose, Inches,	¾	1	1¼	1½	2	2½
Length, Inches,	8	8	12	18	15	20
Wt. Per Doz., Lbs.,	7½	9	26	30	84	117
Per Doz., Iron Pipe,		$18.00	48.00	60.00	113.00	170.00
Per Doz., Hose Thread, $13.00				55.00	110.00	160.00

Brass, Screw Tip.

Size Hose, Inches,	¾	1	1¼	1½	2	2½
Length, Inches,	7½	8½	12	13	15	20
Wt. Per Doz., Lbs.,	5¾	7	17	23	52½	96
Per Doz., Iron Pipe,		$11 20	21 20	27.50	48.00	99 50
Per Doz., Hose Thread, $8.00				25.00	45.00	96.00

Hose Nozzles.

Brass, to Screw.

Size Hose, Inches,	¾	1	1¼	1½	2	2½
Length, Inches,	3	4	4½	5½	6½	7½
Wt. Per Doz., Lbs.,	3	5¼	8	10	12	
Per Doz.,	$4.00	6.25	13 75	19 75	29 00	39 50

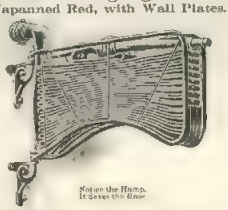
¾ inches Nozzles carried in Hose Pipe Thread.

Brass, to Wind.

Size Hose, Inches,	¾	1
Length, Inches,	5¼	6
Wt. Per Doz., Lbs.,	4½	5
Per Dozen,	$4.00	5.00

Humpback Swinging Hose Racks

Japanned Red, with Wall Plates.



Nos. 5 and 6 will carry heavy hose of almost any make in 50 feet lengths

We can supply any of the following sizes bronzed, in gold at the same figures, if so desired, or Nos. 0, 00, 1, 2, 3 and 4 nickel-plated or brass, finished to order at an additional cost of $3.00 each, net.

For Unlined Linen Hose.

No.	Size of Hose	Full Capacity	Each.
A0	For 1½ or 2 inch.	50 Feet	$5 00
A00	For 2½ inch.	50 Feet.	5.00
A1	For 1½ or 2 inch.	100 Feet	6 00
A2	For 2½ inch.	100 Feet	6 00
A3	For 1½ or 2 inch.	150 Feet	7 00
A4	For 2½ inch	150 Feet	7 00

For Rubber-Lined Linen or Mill Hose.

No.	Size of Hose	Full Capacity	Each.
A3	For 1½ or 2 inch	50 Feet.	$7.00
A4	For 2½ inch	50 Feet.	7 00
A5	For 1½ or 2 inch	100 Feet	7.50
A6	For 2½ inch	100 Feet	8 00

Average Weight, 18 Lbs. Each

NOTICE.—To avoid mistakes and to get the proper "Rack" when you order give **size, kind and length of Hose.** When you order "Racks" with "Pipe Clamps" be sure you give size of pipe they are to fit. If not sure, give us your exact price. The outside diameter of Pipe Clamps controls.

PAILS

Standard Galvanized

Extra Heavy Banded Galvanized

Extra Heavy Galvanized

Galvanized, Round Bottom

Galvanized, with Bail

Horse Pail

Wood Fibre Pail

Wood Fibre, Fire Only

Wood Fibre, Round Bottom

F. L. Thorpe Galvanized Fire Pail

Well Bucket

Canvas Bucket

Rubber Pail

Rubber Fire Bucket

LIST PER DOZEN

Capacity Quarts	Standard Galvanized	Extra Heavy Banded Galv.	Extra Heavy Galvanized	Round Bottom Galvanized	With Bail Galvanized	Horse Pail, Wood		Wood Fibre
						Soft Wood	Oak	
10	$3 00	.....	.....	.....	$6 00	.....	.....	...
12	3 25	$6.25	6 00	$4 50	6 50	.....	.....	$4 25
14	3.50	6.75	6 50	5 25	7.00	$3.75	$8 00	.....
16								

Capacity Quarts	Wood Fibre Round Bottom	Oak Well Buckets & Hoop	Canvas Rope Handle	Rubber Pail	Rubber Fire Bucket	F. L. Thorpe, Galvanized Fire Pail
10	.....	.....	$12 00	$28 50	$28 50	.
12	$5.75	$5 00	. .	. .	.	
14					.	$6 75

For Duplex Folding Pails and Baskets, see page 310.

Dash Lanterns.

Hood Reflector.

This Lantern is fitted with a 5 in. Silvered Glass Reflector a Nickel Plated Hood 6 inches deep, and No. 0 Tubular Globe and Spiral Spring Dash Attachment. Is an excellent lantern for Stable use and is much used for night driving. Throws a strong light more than 300 feet.

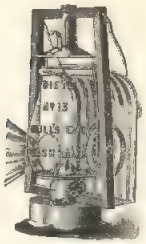
¾ in. Wick, No. 0 Globe.

Per Dozen

No. 0—Tin, Coal Oil, $22.00

Weight, 35 Lbs. Per Case.

Half Dozen in a Case.



Dash Board.

Square Tube, Side Lift with Wire Attachment, Blue Finish, with Corrugated Circular Reflector.

¾ in. Wick, No. 0 Globe.

Per Dozen

No. 15—With Bull's Eye, $18.50

No. 015 Without Bull's Eye, 13.00

Weight, 25 Lbs. Per Case.

Half Dozen in a Case.

Blizzard—Cold Blast.

Japanned Blue, takes 1 in. Burner and Cold Blast Globe. Holds Oil to burn 19 Hours. Oil Pot drawn from Tinned Sheet Steel and Retinned after being Shaped, Adding to its Lasting Qualities.

Per Dozen

No. 2 With Bull's Eye, $20.30

Weight, 70 Lbs. Per Dozen.

Half Dozen in a Case.

Traction Engine Headlights.

Ten inch Traction Engine Head Light.

Foot Piece.

Bracket for 10 and 11 inch Stack.

No. 144—Head Light with Bracket and Foot Piece; will not Smoke or Blow out in High Winds nor Jar out while passing over Rough Roads. Reflector made of Copper, Nickel and Silver Plated . . . . . Each $13.00

Weight 32 Lbs. Each.

One in a Case.

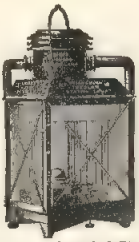
Tubular Lamps.

Tubular Square Hanging. Each.

No. 2—9½x10 in. Square. Height 22 in., with 8 in. Silvered Glass Reflector, No. 3 Burner, 1½ in. Wick, ... $6 50

No. 3—13⅜x13 in. Square, Height 26 in., with 12 in Silvered Glass Reflector, No. 3 Burner, 1½ in. Wick, ... 8.50

Weight, No. 2, 20 Lbs.; No. 3, 33 Lbs. Each, Boxed.
One in a Case.

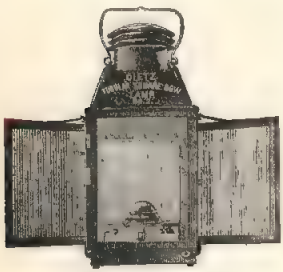


Triangular, Guarded Station. Each.

No. 4—Height 22 in., with 10 in Corrugated Silvered Glass Reflector, No. 3 Burner, 1½ in. Wick, $8 50

Weight, 30 Lbs. Each, Boxed
One in a Case.

Gasoline Torches.



Tubular Square Mill or Bow.

For use in Mills on Bridges and Tugs.

Each.

No. 2—Height 22 in., Side Wings and Back Fitted with Corrugated Silvered Glass Reflectors, No. 3 Burner, 1½ in Wick, ... $10.50

Weight, 24 Lbs. Each, Boxed
One in a Case.

Banjo.

Are particularly adapted for use in Factories, Foundries, Machine Shops, Rolling Mills, Blacksmith Shops, Warehouses, Markets, etc. Per Dozen.

Illuminating Torches, Capacity of Reservoir 6 Qts., $30.00
Extra Burners for Above, ... 18 00

Weight, 48 Lbs. Per Dozen.
Packed Loose.

Saw Mill Machinery.

Hand Feed.

No. 90,

A standard machine that is very simple in construction, well made and one that is easily handled by operator. The log is easily and quickly adjusted by means of ratchet lever and is held in position by means of a dog arranged for that purpose. The machine is fitted to be run by two horse power and can be arranged with pulley for belt power when so ordered, cost of pulley to be added. Large drive wheel is carefully balanced. This machine should be run at a speed of 150 strokes per minute. Furnished with 20 feet of track and a 5 foot saw. A good, first-class saw. Weight, 900 pounds.

Self Feed.

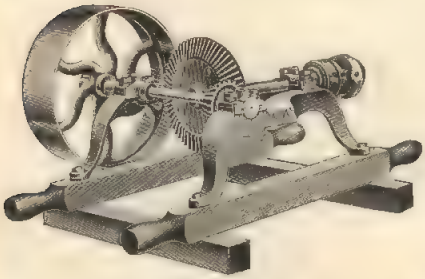
No. 100.

This is a very heavy and substantially built machine that is intended for heavy rapid work. It is at all times perfectly under the operators control. The log is fed forward by simply pressing the foot lever, and can be held firmly until the last cut. The saw is perfectly balanced and should be run at from 150 to 200 strokes per minute. This machine is fitted to use with horse power but can be supplied with drive pulley for steam power when so ordered, and at a reasonable addition in price. Every saw furnished with 20 feet of track and a 5-foot saw. Entire machine well made, well finished and one that will give the best of satisfaction. Weight, 1100 pounds.

Price on Application.

Saw Mill Machinery.

No. 30. Iron Frame, Bevel Gear Jack.

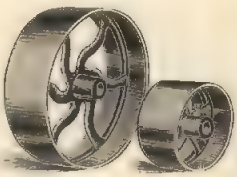


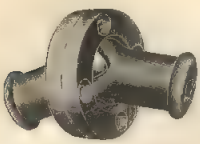
A very popular style. Very strongly built, with the frame and boxes cast in one piece. This prevents shafting from getting out of line. Shafting is cold rolled steel, and boxes very carefully babbitted. Fitted with slip knuckle attached to tumbling rod. Speeded 2¾ to 1. Furnished with 10, 18 or 28-inch pulley with 6-inch face, or without pulley. Weight, 185 Lbs.

Pulleys for Jacks and Saws.

We can supply pulleys of the several sizes that may be required on jacks, saws, etc.

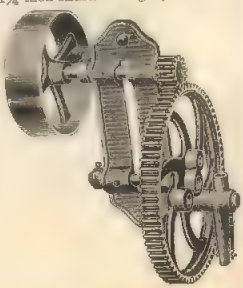
Diameter, Inches,	10	18	24	28
Inches Faces, .	6	6	6	6
Lbs., . .	16	38	56	74





No. 40. Rod Couplings.

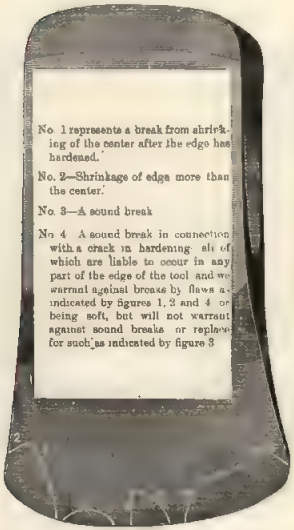
A simple, strong and durable coupling, on which there is little or no friction. The bearings work in iron ferrules that fit in countersinks in the frame. They are bolted together with four bolts, and have no other bolts or pins to get out of place or wear out. Will outwear any other coupling made. We make three sizes, squared to fit 1, 1⅛ and 1¼ inch shaft. Weight, 18 Lbs.



No. 50. Windmill Pump Jack.

This Jack is used to convert rotary motion into vertical motion, and is used in connection with power windmill or horse power to develop the proper speed. It is geared back 1 to 6, and fitted with a 10-inch pulley with 4-inch face. Main wheel has adjustable stroke, either 4, 6 or 8-inch. Weight, 80 Lbs.

Warranty on Axes.



The Steel in all Axes, in order to carry a good edge, must be of high temper, and for this reason a good Axe is more likely to break than a poor one. Soft steel will first bend, and then break; so it is impossible for an Axe that is too soft to hold a good cutting edge. Breaks from flaws are readily known by their angular form, not by the color, while sound breaks (which are no fault of the manufacturer), are always circular in form.

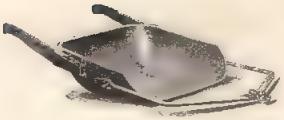
No claim for Defective Axes will be entertained, except in accordance with above warranty.

Defective Axes must be returned to us, free of expense for Freight or Express Charges.

Dealers, in warranting Axes, should not extend time of Warranty for a longer period than 10 days, with One Exchange Only.

DRAG SCRAPERS

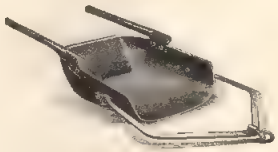
HASLUP



No.	Capacity Cubic Feet	Weight Pounds	With Runners Each	Without Runners Each
1	7	100	$7.50	$7.25
2	5	90	7 00	6.50
3	3½	80	6 50	6.25

G. B. C. SOLID PRESSED STEEL SCRAPER

G. B. C. Double Bottom Scraper



G. B. C. Solid Pressed Steel with Round Handles

DOUBLE BOTTOM

No.	Capacity Cubic Feet	Weight Pounds	Each
1	7	100	$8.75
2	5	90	8.00

PRESSED STEEL WITH ROUND HANDLES

No.	Capacity Cubic Feet	Weight Pounds	Each
1	7	100	$7.50
2	5	90	6.75
3	3½	80	6.50

For runner, 50 cents additional.

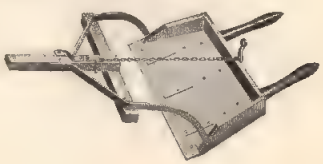
THE COLUMBUS

Made of one Piece Steel

No. 1. Capacity, 7 cubic feet; weight, 102 pounds . . . . . each $13.00
No. 2. Capacity, 5 cubic feet; weight, 94 pounds . . . . . " 12 00
No. 3. Capacity, 3 cubic feet; weight, 70 pounds . . . . . " 11.00
With runners . . . . . extra .35
With double bottom . . . . . " 50

TONGUE SCRAPER, LEVELER AND DITCHER

This is an excellent scraper for cutting and cleaning ditches and moving large quantities of earth rapidly when the distance is not too great. The drawbars and bit are made of the best quality of steel. It is well ironed and made of well-seasoned hard wood. The driver can fill and dump it with ease.



No.	Width Inches	Weight Pounds	Each
1	48	135	$10.50
2	42	120	10.00

THE DOAN DITCHING SCRAPER

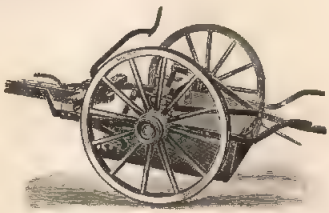
The Doan Scraper is a great favorite among contractors for cleaning out and back filling ditches, and leveling roads and uneven places.

It is well made of seasoned hard wood. The bit is made of special steel, 48 inches long, ¼ inch thick and 7 inches wide, which is 2 inches wider than those usually made. The scrapers are well ironed and bolted, and the hounds are made of 1¾x⅝ inch steel, with ⅜ inch cable chain.

Width 48 inches, wt. 75 lbs..... each, $7 50

WESTERN WHEELED SCRAPERS

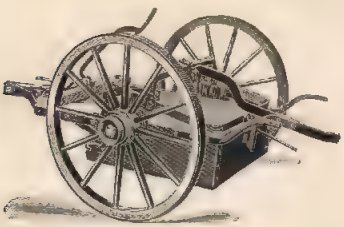
No. 1 WESTERN WHEELED SCRAPER



Wheels are made from selected stock, 36 inches high; tires, 2½x¼ inch; axle, 1⅜ inches square, bowl, 3 feet wide, 3 feet long, 12 inches deep; draft hooks, automatic, patented, prevents the scraper from dumping while being filled, and regulates the cut to even depth.

No. 1 Wheeler. Capacity 9 cubic feet, weight 340 lbs.... each, $45 00
Automatic End Gates for above, extra..... 5 00
Whiffletrees and neckyokes, extra.

No. 2 WESTERN WHEELED SCRAPER



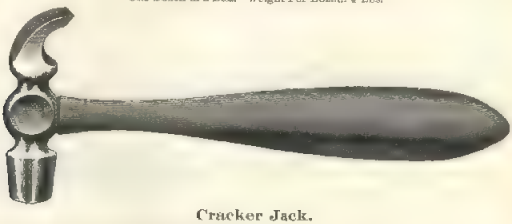
Wheels made from selected stock, 40 inches high; tires, 3x⅜ inch; axle, 1¾ inches square, arched 3½ inches higher than the old standard Wheelers were; bail is of an entirely new pattern, is bent around on a line with the top edge of the pan and supported by the lever, which is arched (see cut) and extends forward and is firmly attached to the axle, giving abundant clearance for the dirt in filling and dumping; bowl, 3 feet 2 inches wide, 3 feet 1 inch long, 13½ inches deep; draft hooks, patent, automatic, prevents scraper from dumping while being filled, and regulates the cut to even depth.

No. 2 Wheeler. Capacity 12 cubic feet, weight 600 lbs ..... each, $50 00
Draft Rods for above, extra ..... " 2.00
Automatic End Gates for above, extra ..... " 5.00
Whiffletrees and neckyokes, extra.

Tack Hammers.

Climax.

No. 30—Climax, cast iron, Nickel Plated Tack Hammer, One Dozen in a Box. Weight Per Dozen, 4 Lbs. — Per Dozen $2.00



Cracker Jack.

Cracker Jack Claw Tack Hammer, Nickel Plated Hickory Handle, One-Half Dozen in Box. Weight Per Dozen, 6 Lbs. — Per Dozen $2.25

Each

No. 2—5 Ounce Size, Nickeled, Handle Jointed in Two Sections, ... $3.00
Packed Two in a Box.
Weight Per Dozen, 27 Lbs.

Horse Shoe Magnet Bill Posters' Hammers.

Eclipse.

No. 40—Eclipse, Nickel Plated, Varnished Handel, One Dozen in a Box. Weight 4½ Lbs. Per Dozen. — Per Dozen $2.50

THE IMPROVED THOMPSON INDICATOR.

ADAPTED FOR ALL SPEEDS.

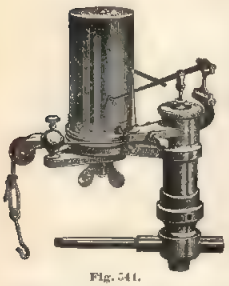


Fig. 541.

PRICES.

Thompson Indicator, Standard Size, brass, nickel-plated, and highly finished, with two Straight-way Cocks, three Springs of various pressures, and corresponding Scales, 100 Metallic Paper Cards, a Screw Driver, a bottle of Oil and an extra Drum Spring, all inclosed in finely polished Oak Box with plated trimmings	$85.00
The same, made of Steel, nickel-plated, for ammonia use	120.00
Thompson Indicator, Small Size, and fixtures as above	75.00
The same, made of Steel, for ammonia use	100.00
The same, made of Aluminum, for both steam and ammonia	100.00
Extra Springs, each	5.00
" Boxwood Scales, each	.50
" Paper Cards, one side metallic, per 100	1.00
" " " both sides metallic, per 100	1.25
Linen Cord, warranted not to stretch, per hank of thirty feet	.50
Straight-way Cock, nickel-plated, for steam	2.75
" " " for ammonia	6.00
Three-way Cock, nickel-plated, for steam	6.00
" " " " ammonia	10.00
Detent Motion	3.00

We furnish with each indicator, free of charge, a copy of "Indicator Practice and Steam Engine Economy," by Frank F. Hemenway.

Price of book only ..... $2.00, net.

In ordering please state sizes of springs required.

THE IMPROVED HOWARD THOMPSON INDICATOR

Is a thoroughly reliable instrument, Standard size, brass nickel-plated, and highly finished, with two Straight-way Cocks, three springs of various pressures, and corresponding Scales, 100 Metallic Paper Cards, a screw Driver, a bottle of Oil, and an extra Drum Spring, all inclosed in finely polished oak box, with plated trimmings. Fig. 545..... $75.00

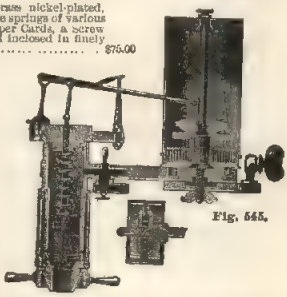


Fig. 545.

THREE-WAY COCKS.

Fig. 546.

Highly polished and nickel-plated, carried in stock to fit all indicators.

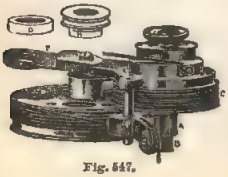


Fig. 547.

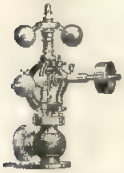
PEERLESS REDUCING WHEEL (ALUMINUM).

The object of the reducing wheel is to reduce accurately the motion of an engine cross-head to that required for a paper drum of an indicator, and to give the required length of diagram, regardless of engine stroke. If either the indicator or reducing motion is not correct, the cards are useless and deceptive; hence the first step towards obtaining the true state of affairs in a steam cylinder is an indicator that will show the pressure and a correct reducing motion by which diagrams can be taken, so that an intelligent engineer can interpret them, adjust the valves, and figure the power developed.

Price, complete..... $15.00

GARDNER GOVERNORS.

CLASS A.
STANDARD



CLASS B.
STANDARD.

CLASS B—SPRING.
With Speeder and Hand Lever.

TABLE OF DIMENSIONS OF CLASS A AND B, STANDARD GOVERNOR

Size of Governor—Diameter of Opening	¼	½	1	1¼	1½	2	2½	3	3½	4	4½	5	6	7	8	9	10
Diameter of Base Flange	Screw	Screw	Screw	4½		7	7	8	9	10	10	12	14	16	16	18	20
" " Side	"	"	"	Screw	Screw	7	7	8	9	10		11	13	15	15	16	17
Largest Radius of Balls	3	4	5	6	6	6	6½	7	7	8½	8½	9	9	9	9	15	15
From Center to Side Flange	2¾	2¾	3	3½	5	5	5	6	6	6	6	7	7	7½	8½	9	14
Base to Center of Inlet	2¼	2¾	3	4	5	6½	6½	6	6	6	6	7	7	7½	8½	9	15
Extreme Height	15	19	20	21	23	25	25	32	34	37	37	42	42	44	51	53	72
From Center to End of Shaft	9	9	11	11	13	13	13	15	17	17	17	21	25	25	25	25	28
Diameter of Pulley	3	3	3	3	5	5	5	6	6	6	6	7	7	8	8	10	12
Width of Belt	1¼	1½	1½	2	2	2	2	2	2	2½	2½	3	3	3	3	4	4
Number of Revolutions	300	300	290	290	290	290	290	290	290	290	290	290	290	290	290	290	135
Diam. Cylinder—300 ft. Piston Speed	4	5	6	7	9	10	12	14	16	18	20	22	26	31	36	40	45
" " 400 " " "	3	4	5	6	8	9	10	12	14	16	18	20	23	28	32	36	39
" " 500 " " "		3½	4½	5	7	8	9	10	12	14	15	18	21	24	28	31	35
" " 600 " " "			4	4½	6	7	8	9	11	13	15	16	19	22	25	28	32

TABLE OF DIMENSIONS OF CLASS A AND B, SPRING GOVERNORS

Size of Governor—Diameter of Opening	½	¾	1	1¼	1½	2	2½	3	3½	4	4½	5
Diameter of Base Flange	Screw	Screw	Screw	Screw	5½	7	8	9	9	10	10	12
" " Side	"	"	"	"	Screw	7	7	8	9	10	10	11
Height—Inches	13	13	13½	17½	22	23	24	27	29	30	34	37
Radius of Balls	2½	2½	2½	3½	4	4	4	5	5	5	5½	6
Length of Shaft	8	8	8	11	11	12	13	16	15	18	16	16
Diameter of Pulley	1½	1½	1½	2	2½	2½	2½	3½	3½	3½	4½	4½
Width of Belt	1	1	1	1½	1½	1½	1½	2	2	2	2½	2½
Center to Side of Chamber	1¾	2¼	2¼	3	3½	5	5	5½	6	6½	6½	7
Base to Center " "	1¾	2¼	2¼	3	4	5	5½	6	6½	6½	6½	7
Number of Revolutions	600	600	600	450	400	400	400	350	350	350	275	275

PRICE LIST OF JUDSON, PICKERING, WATERS AND GARDNER GOVERNORS.

Size of Governor—Diameter of Opening	½	¾	1	1¼	1½	2	2½	3	3½	4
Price, Class B, Plain	$14.00	16.00	18.00	21.00	23.00	30.00	35.00	40.00	45.00	50.00
" " B, Finished	16.00	18.00	20.00	24.00	26.00	34.00	40.00	45.00	51.00	58.00
" " A, Plain			21.00	24.50	29.50	40.00	42.00	48.00	53.00	60.00
" " A, Finished			23.00	27.50	33.50	44.00	47.00	53.00	59.00	66.00

Size of Governor—Diameter of Opening	5½	6	6½	6	6½	6	7	8	9	10
Price, Class B, Plain	$60.00	71.00	83.00	94.00	108.00	98.00	150.00	185.00	216.00	240.00
" " B, Finished	69.00	81.00	94.00	106.00	121.00	176.00	169.00	201.00	235.00	260.00
" " A, Plain	75.00	85.00	97.00	109.00	124.00	140.00	170.00	215.00	244.00	270.00
" " A, Finished	80.00	93.00	107.00	121.00	137.00	164.00	186.00	237.00	261.00	290.00

When ordering Governors, state which class is wanted, Standard or Spring, Plain or Finished.
Speeder attachment on Pickering Governor costs extra.
Class B is without Automatic Stop.
Class A is with Automatic Stop.

IMPROVED IRON STEERING WHEEL

Made of the Best Cast Iron with Steel Spokes, Black Walnut Handles and Brass Caps

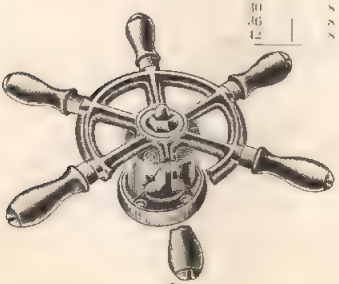
Diam Inches		No of Spokes	Price Each	Galvanized Each
12	With Galvanized Handles	6		$1 50
16	" " "	6		2 00
12	" Wood Handles Brass Tips	6		2 00
16	" " "	6		2 75
20	" " "	6		4 75
22	" " "	6		5 25
25	" " "	6		5 75
28	" " "	6		7 00
30	" " "	8	$10 00	11 25
36	" " "	8	12 00	13 50
42	" " "	8	15.00	17 50
48	" " "	8	18 00	21 00

Wheels are measured between extreme end of handles.

MAHOGANY AND ROSEWOOD STEERING WHEEL

With Polished Brass Cheeks and Hub

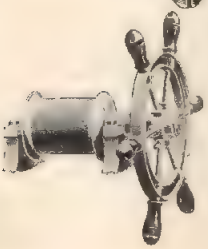
Diameter of Wheel Inches	Number of Spokes	With Mahogany Rim Spokes and Handles Each	With Mahogany Rim Rosewood Spokes and Handles, Each	With Ebonized Rim Mahogany Spokes and Handles, Each	With Ebonized Rim Rosewood Spokes and Handles, Each
19	5	$11 85	$11 85	$11 85	$11.85
20	6	13 50	13 50	13 50	13 50
24	6	15 75	15 75	15 75	15 75
28	6	20 25	20 25	20 25	20 25
30	6	25 85	25 85	25 85	25 85
30	8	28 25	28 25	28 25	28 25
36	8	36 00	36 00	36 00	36 00
42	8	47 25	47.25	47 25	47 25



LAUNCH STEERING WHEELS

Complete with Drum
ROUND SPOKES

Size of Wheel	Size of Drum: Extreme Length	Size of Drum: Extreme Diameter	Each
12 in Galv. Iron Wheel with Wood Handle	3	2⅞	$2 75
16 in Galv. Iron Wheel with Wood Handle	3½	4	3 45
20 in. Galv. Iron Wheel with Wood Handle	4½	5	8 80



STEERING WHEELS

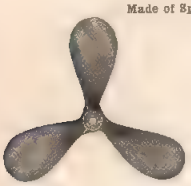
With Drum and Boxes

No	Size of Wheel Inches	Size of Drum: Diameter Inches	Size of Drum: Length Inches	Length from Forward Box to Wheel Inches	Each: Mahogany or Rosewood Wheel	Each: Galvanized Iron Wheel
4	20	4¼	5	1	$16 50	$9 00
5	22	4½	6	1½	20 00	11 00
6	25	6	7	1½	33 50	13 50
7	28	6½	8½	1¾	29 50	16 50
8	30	7	10	2		20 00
9	36	8	12	2¼		25 00
10	42	9	14	2¼		30 00

Drums of any Dimensions made to order. Complete assortment of these goods in our Marine Catalog. If interested, send for it.

SOLID SPEED PROPELLER WHEELS

Made of Special Propeller Wheel Bronze, Highly Polished and Lacquered



Two and Three-Blade Solid Propeller Wheels are designed and built on the true screw pitch and are the best all-around speed wheels yet produced for speed ahead and backing up. They have given the best results of any solid wheel yet produced for all-around work in use on pleasure yachts, launches or working boats.

NOTE.— When installing solid wheels the crowning side of the blades should be next to the boat, the flat side aft, which is the pushing or working side.

BRONZE

Right and Left Hand

TWO BLADES

Diam. Inch	Pitch	Each	Extra bored and key Seat	H. P. 100 Rev	H. P. 400 Rev
10	11 0	$2.61	$0.90	.20	¾
11	13 0	2 82	1 00	25	1
12	16 8	3 20	1 10	40	1½
13	18 2	3 8.	1 20	45	1¾
14	19 6	4 50	1 30	60	2
16	22 4	5.10	1 40	1	4
18	25 2	6 66	1 50	1.5	6
20	28 0	9 00	1 75	2 25	9
22	30 8	12 00	2 00	3	12
24	33 6	15 00	2 25	4	16
26	36 4	18 00	2 50	6	24
28	39 2	22 50	2 75	7 5	30
30	42 0	27 00	3 00	9	36
33	46 2	30 30	3 50	10	40
36	50 4	41 00	4 00	12	48

THREE BLADES

Diam Inch	Pitch	Each	Extra bored and key Seat	H. P. 100 Rev	H. P. 400 Rev
12	16 8	$5 10	$1 10	.5	2
14	19 6	6 00	1.30	.75	3
16	22.4	7.80	1.40	1 25	6
18	25.2	9 90	1 50	2 25	9
20	28.0	12 00	1.75	3.	12
22	30.8	15.00	2 00	4.	16
24	33.6	18.90	2.25	6	24
26	36 4	24.00	2.50	7.5	30
28	39 2	28 00	2.75	9	36
33	46 2	45 00	3.50	12.	48
36	50 4	51 00	4 00	15.	60
40	56 0	90 00	6 00	20.	80
44	61.6	118 00	7 00	25.	100
48	77 2	135 00	8 00	30.	120

Specify Right or Left hand. Be sure and specify diameter of Shaft, bored and key seated, straight and taper.

SOLID PROPELLER WHEEL SHAFT

Outfit "M"

Style "M" outfit includes 6 feet of shaft, 3 feet of brass sleeve bronze inner stuffing box stern bearing babbitted with bronze lag bolts complete

Sizes and Prices

⅝	Steel Shaft	$4.98	⅝	Tobin Bronze Shaft		$7 74
¾	"	6 47	¾	"	"	10.43
1	"	8 92	1	"	"	15 94
1¼	"	12 08	1¼	"	"	22 88
1½	"	16.00	1½	"	"	31.48

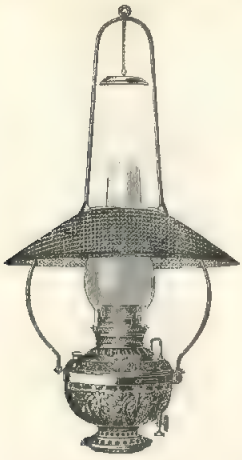
Outfit "N"

Style "N" outfit includes 6 feet of shaft, bronze combination stern bearing or stuffing box babbitted, bronze lag bolts and spanner wrench

Sizes and Prices

⅝	Steel Shaft	$2 64	⅝	Tobin Bronze Shaft		$5 40
¾	"	3 42	¾	"	"	7 38
1	"	4.83	1	"	"	11 85
1¼	"	6 60	1¼	"	"	17 40
1½	"	8 52	1½	"	"	21 00

Juno Mammoth Central Draft Lamps.



300 Candle Power, Burns 12 Hours.

		Each.
No. 3	Juno Lamp Complete, Polished Brass Fount, with No. 162 M Harp, No. 138 M 20 in Corrugated Reflector and No 3, 12 in. Chimney. Height of Fount 12 in., Capacity 1 Gallon of Oil.	$5.00

Weight 6 Lbs. Each.

85 Candle Power.

		Each.
No. 2	Juno Lamp, Complete, Polished Brass Fount, with No 162 M Harp 16 in M. Corrugated Reflector and No. 2 Chimney. Height of Fount 9 in., Capacity 3 Pints of Oil.	$4 25

Weight, 4 Lbs Each.

Juno Founts.

		Per Dozen.
No. 3	Juno Mammoth, Polished Brass, Capacity 1 Gallon of Oil, Burns 12 Hours, Height 11 in.,	$40.00

Weight, 48 Lbs Per Dozen

		Per Dozen.
No. 2B	—Juno, Polished Brass, Cup with Screw for ⅞ in. Nipple, Height 9 in.,	$21.25

Weight, 24 Lbs. Per Dozen.

No. 2NP	—Juno Nickel Plated, Cup with Screw for ⅞ in Nipple, Height 9 in.,	22.50

Weight, 24 Lbs Per Dozen.

Lamps.

Bracket Lamps.

	Per Dozen.
No. 049—Glass Fount, Bronzed Iron Bracket, Glass Reflector, Chimney and Burner Complete,	$9 00

Weight, 30 Lbs. Per Dozen.

Harp Hanging.

	Per Dozen.
No. 36—Glass Fount, No. 02 Japanned Harp, 15 in. Tie Reflector, Chimney and Burner Complete,	$9.00

Weight, 30 Lbs. Per Dozen

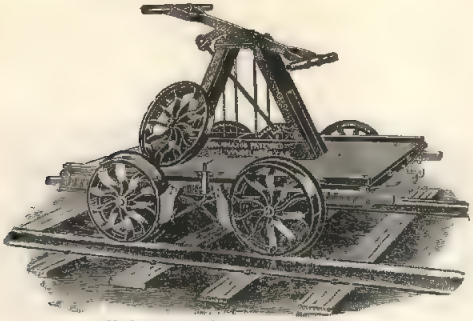
Juno Parlor.

	Per Dozen.
No. 30 B.—Juno Parlor, Polished Brass, with 10 in. Tripod, Height 12½ in., 65 Candle Power,	$23 75
No. 30 N. P.—Juno Parlor, Nickel Plated, with 10 in. Tripod, Height 12 in., 65 Candle Power,	25.00

Weight, 36 Lbs. Per Dozen.

For Shades and Chimneys, see Pages 528 and 529

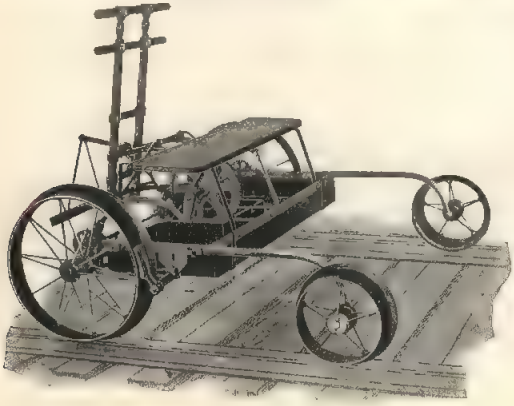
Cars.



Kalamazoo Special Hand Car.

A stout, good wearing, easy running car. Platform, 6 feet x 4 feet 4 inches; Wheels, 20 inches diameter, removable tire with metal or wood center; Axles, 1¼ inch in diameter.

Price on Application.



Velocipede.

The best and lightest velocipede on sharp curves and steep grades. Extensively used by switch tenders. Weight, 195 lbs. Built any gauge. Price on Application.

Cars.

Push Car.

Standard Gauge Platform, 7 feet long, 8 inches wide; frame and deck of seasoned hardwood; axles 1½ inch; wheels, 20 inches in diameter, all metal; ends strapped with 2x⅜ inch iron.

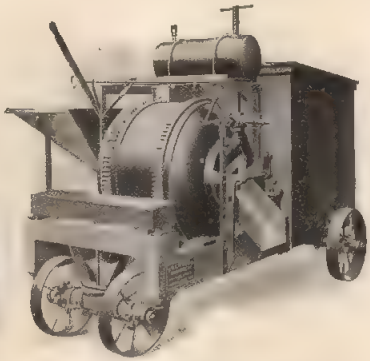
Rail Car.

For use of track layers. Wheels, 16 inches in diameter, weighing 104 pounds; side and cross sills, covered with iron; 2 rollers at each end; axles, 2¼ inch diameter with outside bearings babbit metal; capacity, 12 tons; eight feet long and 6 feet 1 inch wide over all; has two rollers at each end; Weight, 1450 Pounds.

Price on Application.

KOEHRING CONCRETE MIXERS

No. 1 B on Trucks
Equipped with Elevating Charging Bucket and Water Measuring Tank



No. 0 B
Equipped with Gasoline Engine, Batch Hopper Bin and Water Measuring Tank

This Mixer is of the ordinary cylindrical drum type and does not tilt to discharge. The wear on the machine as well as the labor and great care required in tilting a mixer containing a ton or more of concrete is enormous, and it is next to impossible to regulate the discharge. As a rule the entire batch is dumped out and then has to be shoveled into wheelbarrows, thereby creating double work. It has a marked advantage over this old type of tilting mixer, in that any quantity of concrete can be taken out and the flow of concrete stopped instantaneously. It is quick in its action and very easily operated.

TABLE OF SIZES AND CAPACITIES

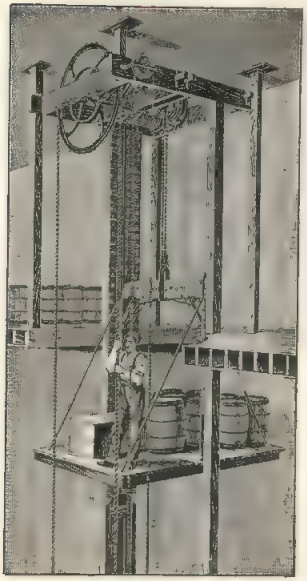
	No. 00-B	No. 0-B	No. 1-B	No. 2-B	No. 3-B	Special Street Mach
Capacity per batch in Cubic Feet, Loose Material	4	6	11	22	27	14
Capacity per hour in Cubic Yards, Loose Material	3	7	14	25	30	18
Speed of Drum, R. P. M.	20	20	17	15	15	17
" of Intermediate Shaft	170	132	108	75	75	77
H. P. Furnished Steam Engine	....	4	6	8	10	7
" " " Boiler	....	6	8	12	15	8
" " Gasoline Engine	3	5	7	10	12	8
" " Electric Motor	3	5	7½	10	15	10

APPROXIMATE WEIGHT OF MIXERS

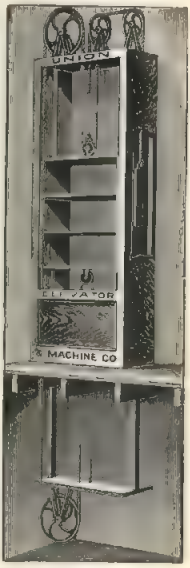
On Skids without Power	1200	1800	2800	5200	5500	..
" Trucks without Power	1500	2300	3200	6000	6400	..
" Skids with Engine only	..	2100	3400	6500	7000	..
" Trucks with Engine only	..	2800	4000	7300	7900	..
" Skids with Engine and Boiler	..	2800	4800	8000	9300	..
" Trucks with Engine and Boiler	..	3300	5400	8800	10200	7500
" Skids with Gasoline Engine	2000	3500	4600	7500	8600	..
" Trucks with Gasoline Engine	2300	3800	5200	8300	9500	7200
" Skids with Electric Motor	1 ca	3500	4400	6500	6800	..
" Trucks with Electric Motor	2100	3800	5000	7300	7700	..

Prices and full information on request.

Hand Power Elevators.



Warehouse Elevator.



"Little Dandy" Dumb Waiter.

For use in Stores, Factories, Apartment Buildings, etc. Easy to operate. Inexpensive. Capacity, 500 to 2500 pounds.

The "Union" Patent Safety System is used on all of our Elevators. In case of breakage of the Hoisting Cables the Safety Dogs are thrown in contact with the Guide Strips, thus preventing the fall of the car.

For use in Cafes, Dining Rooms, Apartment Buildings, Stores, Factories. Capacity: 25 to 200 pounds. Car, 24 inches wide, 20 inches deep, 28 inches high. Made with or without movable shelves.

	Each
1 Story Travel,	$50.00
2 Story Travel,	55.00
3 Story Travel,	63.00

Prices on Application.

Log Truck.

Round Reach

Each

No. 7—Log Truck, Round Reach, Skeins 4½x12 in., Wheels 3 ft. 4 in. and 3 ft. 6 in., Bent Fellocs, Bolted and Clipped, Track 4 ft. 11 in. Outside to Outside, Tires 5x½ in., ... $155.00

Average Weight, 1,200 Lbs Each

Log Cart.

Each

No. 18—Log Cart, 6 in. Axle, 10 ft. Wheels, 6x½ in. Tires, ... $240.00

Average Weight, 1,975 Lbs. Each.

Complete with Chains and Reversible Seat

This Cart must be loaded on a Flat Car, and billed at 5,000 lbs., First Class Rate. Freight on two will not amount to any more.

Hand Cart.

With Roller.

Each

No. 28—Hand Cart, with Roller, Frame 7 ft. Long Steel Axle 1⅝ in. Wheels 4 ft. 9 in. or 4 ft. 4 in., Round Edge, Steel Tires 2x⅜ in., Norway Iron Braces, . . . $44.00

Average Weight 300 Lbs. Each.

Other Sizes to Order

Lumber Buggy.

Each

No. 25—Lumber Buggy, Steel Axle 1⅝ in., Wheels 3 ft. Diameter, Round Edge Steel Tires 3 in. Wide, Tread 3 ft. 4 in., . . . $28.00

Average Weight, 225 Lbs. Each.

Other Sizes to Order

Factory Truck.

Each

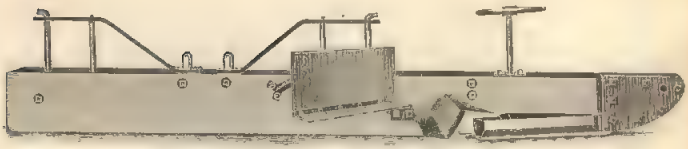
No. 32—Factory Truck, Size 4 ft. x 28 in., Wheels 15 in., Removable Stakes . . $15.00

Average Weight 125 Lbs. Each

Other Sizes to Order.

The Culver Patent Rut Cutter.

Notice the "Draw-Cut" of the Knives.



The Best and Easiest Running Rutter Made.

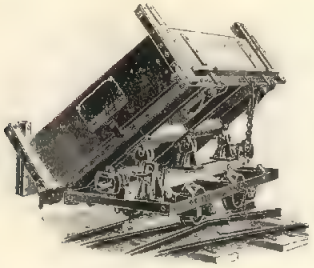
The Runners are made of 8 in. x 14 in. x 12 ft. White Oak, and are 4 in. wide at the nose. The knives are made of Tool Steel and an extra set of knives is furnished with each Rutter.

The depth of cut is regulated by raising front part of runner by means of the hand wheel and the cut can be made as shallow or as deep as desired. Owing to the "draw cut" of the curved knives it will cut through roots and like obstructions with ease.

The screws for raising and lowering front runners are steel and the thread is turned in a lathe, making it accurate and strong. The starts and raves for the beams are steel.

Each, with extra Set of Knives, $125 00

Dump Cars.

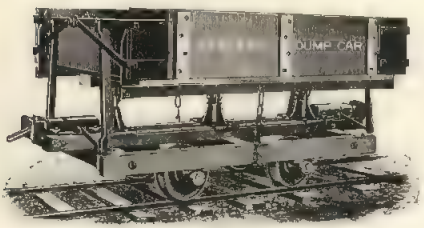


Standard.

Each.

Standard Car, for Hand Work. 18 in. Gauge, Steel Frame, (Old Pattern Wood Frame Made to Order Only) Capacity 20 Cubic Feet Level Full. 12 in. Chilled Wheels, 2 in. Refined Iron Axles. Our Patent Boxes and Spring Coupler, 1⅝x4 in. Brass Bearings. Floor, Doors and Ends 1¼ in. White Oak; Dumps on Either Side. Length 7 ft. 6 in., Height above Track 3 ft. 6 in., Inside Measure of Body 4 ft. x 6 ft. x 14 in., Can Load 2½ to 2¾ on Flat Car or 30 to 40 by Taking Doors and Ends Down, ... $100.00

Weight, 1350 Lbs. Each



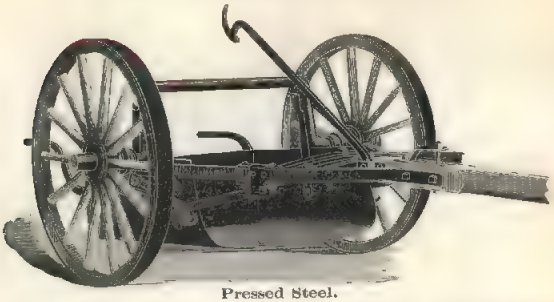
Western.

Each.

Western, 1¼ Cubic Yards, 24 in. Gauge, 12 in. Diameter Wheels, 2 in. Steel Axles with Bronze Journal Bearings. 1⅝x4½ in. Improved Journal Boxes and Spring Couplers, ... $100.00

Weight, 1400 Lbs. Each

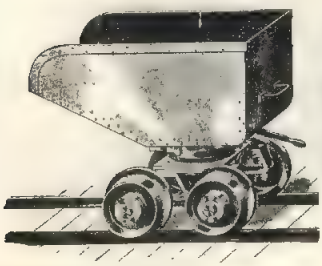
Wheel Road Scrapers.



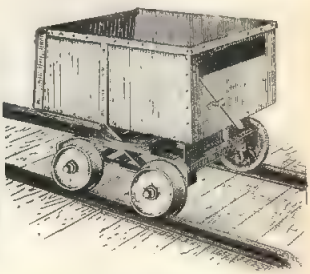
Pressed Steel.

		Each
No. 1	K & J Wheeler, Capacity 10 Cubic Feet. Wheels 34 inches in Diameter. Tire, $\frac{3}{8}$x3 inches. 14 Spokes 1 inch Half Oval, Axle Box 7 inches long, Track 4 ft. 2 inches, Weight, 508 Lbs.,	$50 00
No. 2	K & J Wheeler Capacity. 13 Cubic Feet, Wheels, 40 inches in Diameter: Tire $3x\frac{1}{4}$ inches. Size of Bowl, Length 36 inches; Width, 38 inches; depth $13\frac{1}{2}$ inches—all Inside Measurement. Tracks, 4 feet 7 inches. Weight, 600 Lbs.,	Each $80 00
No. 3—	K & J Wheeler; Capacity, 17 Cubic Feet. Wheels, 46 inches in Diameter: Tire, $3x\frac{1}{2}$ inches. Size of Bowl: Length, 42 inches; Width, 42 inches; Depth, 16 inches—all Inside Measurement. Tracks, 5 Feet 2 inches. Weight, 744 Lbs.,	Each $90.00

Mining Ore Cars.



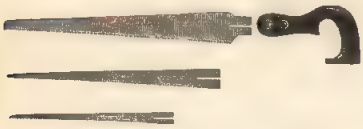
Scoop Box.
Side and End Dump.



Square Box.
Side and End Dump.

Our Ore Cars are composed of Sheet Steel Boxes, Steel Axles, Chilled Wheels, Cast Tables and Wrought Frames. They are made in any size and for any gauge of track.
Price on Application.

Saws.



Diston's Nest of Saws.

Per Dozen Nests.

No. 3—Combines One Each, Keyhole Compass and Framing Saws, Handle and Screws, . $11 00

Weight, 12 Lbs. Per Dozen Nests.

Three Sets in a Box.

Keyhole Saw and Pad.

Per Dozen.

No. 5—Keyhole Saw, Screw Driver, Iron Pad, 8 in Blade, . $2.00

Weight, 2½ Lbs Per Dozen

One Dozen in a Box.

Hack Saw Frames.

Per Dozen.

No. 4B—Star, Cast Iron Frame, Japanned, for 9 in Blade . $3 00

Weight, 15 Lbs Per Dozen.

Half Dozen in a Box.

Per Dozen.

No. 1—Extension Frame, Nickel Plated, Polished, Adjustable Lock Extension, . $12 00

Weight, 14½ Lbs. Per Dozen.

One in a Box.

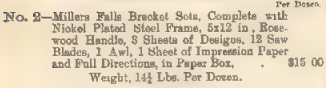
Bracket Saw Sets.

Per Dozen.

No. 2—Millers Falls Bracket Sets, Complete with Nickel Plated Steel Frame, 5x12 in., Rosewood Handle, 3 Sheets of Designs, 12 Saw Blades, 1 Awl, 1 Sheet of Impression Paper and Full Directions, in Paper Box, . $15 00

Weight, 14½ Lbs. Per Dozen.

Bracket Saws.



Nos.	1 to 6	7	8	9	10
Per Gross,	$1.20	1.35	1.50	1.60	1.75

Scroll Saw.

Each.

No. 1—Rogers', Japanned Tilting Table, Complete with 12 Blades, 3 Drill Points and Sheet of Designs, . $3.50

Weight, 45 Lbs Each, Packed.

One in a Box.

Saw Mill Machinery.

Improved Knot Saw and Shingle Saw Jointer.

Double Knot Saw Machine.

(For Single Knot Saw Machine, Front Half Would Be a Right Hand Machine.)

Where Parallel Shingles and Economy of Stock is Desired and also for Removing Knots, Rots and Hearts from Shingles,

It Has No Superior.

Ash frame. All joints strongly locked and bolted; occupies a space 3 ft. 4 in. wide, by 3 ft. 6 in. long; 4-inch pulley; arbor is made of 1¼ inch cast steel; saws on one or both ends, as desired. Saws, 14 in. in diameter, 16 gauge; should run 2,500; weight, 182 lbs..

Size of Shingle Knot Saw Machine, 2 ft. 5 in. wide, 3 ft 6 in. long; weight, 135 lbs.

Carriage is of cast steel, very light, it is impossible to get it on the saw; runs on a heavy cast iron track, planed perfectly true, and one round rod. The track is made adjustable to the height of the saw, as it wears down.

Price on Application.

PILE DRIVER FITTINGS

DROP HAMMERS

600 lbs.	per lb., $0.05¼	1,500 to 3,000 lbs.	per lb., $0.04¼
700 to 800 lbs.	" .05¼	3,000 lbs. and over	" .04
1,000 to 1,500 "	" .04¾		

DIES OR PINS

Weight	Steel Triangular Die fitted in Hammer	Steel Turned Pin fitted in Bored Hole
600 to 800 lbs.	$2 50	...
1,000 and under 1,500 lbs	3 00	$4 00
1,500 to 3,000 lbs.	5 00	5.00
3,000 lbs. and upwards		6 00

NIPPERS

With Block

No. 1.	Nipper, for hammer, over 2,500 lbs.	incl.	$47.00	$9.00
" 2.	" " "	1,500 to 2,500 lbs.	"	36.00	8.00
" 3	" " "	800 " 1,500	" "	28.00	6.50
" 4.	" " "	500 " 800	" "	21.00	6 50

NIPPER BLOCKS

Without Block

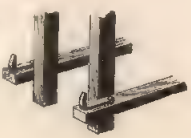
ADJUSTABLE TRIPS

The adjustable Trip is used for striking light blows, such as needed for a pile of small diameter, or for pile very near its destination. It is raised or lowered in the leaders by means of a small line, with suitable sheave at the top. The sides are of plate iron, the striking plates, at the ends, of cast iron, to give the necessary weight, while the bail is of wrought iron. We make them of three sizes, of the dimensions to suit leaders.

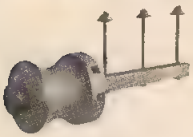
No. 1, for hammer 2,000 lbs. and over		each,	$32 00
" 2, " "	1,000 to 1,800 lbs.	"	22 00
" 3, " "	800 lbs. and under	"	17 50

TOGGLE IRONS

Weight of Drop Hammer	No. 1 Toggles		No. 2 Toggles	
	Opening	Per Pair	Length of Leaders to Heels	Per Pair
500 to 800 lbs.	13 inches	$8.50	6½ inches	$3.60
1,000 to 1,200 lbs.	18 "	13.50	9 "	4.80
1,000 " 2,500 "	22 "	16.50	11 "	6.50
Over 2,500 "	26 "	21 00	13 "	8.00



ROLLER SPOOLS AND AXLES

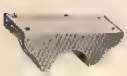


No. 1. Square Shaft

No. 1	per set of 4, $124 00
" 2, very heavy	" " " " 280.00

No. 2. Round Shaft

RIGID ROLLER BEARINGS

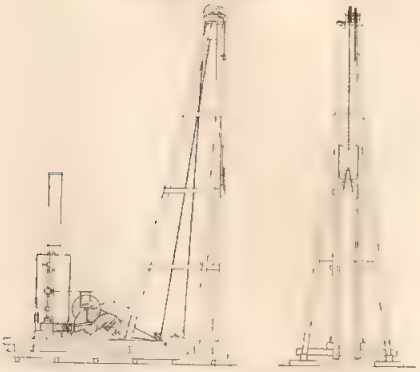


These are plain castings to take the place of the spool rollers above. Instead of rolling they slide on the long rollers. With pipe rollers they are also satisfactory. Our pattern is for 10 inch pipe, about 10¾ inch diameter, and also for 10 inch diameter oak roller. Specify when ordering which is to be used.

Per set of 4. ... $46.00

PILE DRIVER

CONTRACTORS' PATTERN



The cut illustrates a driver with extension sills, adapted to carry the engine. We make them either as shown, or with shorter sills, for use when the engine is located elsewhere.

These Drop Hammer Outfits for Contractors' use range from 1,500 pounds weight upward (we have made them as heavy as 5,200 pounds). Of late years they are generally used with friction engines, requiring round pins in hammers.

A full set of ironwork usually consists of the following: Hammer with steel pin fitted in; top sheaves, shafts, boxes and bolts; bottom sheave shaft, boxes and bolts, one pair each of No. 1 and No. 2 toggles with bolts, and chapter iron fillers with bolts and washers. When, as shown in cut, a pile cap is used, toggles are not required.

A special form of this driver can be arranged by leaving out the maple rollers under the sills, and substituting the rigid roller bearings described on page 198. Four of these would be used, bolted directly to the lower sill, using either the 10-inch iron pipe or 10-inch oak rollers; the roller lying across the driver instead of lengthwise. Pile Driver is painted. Price includes Timber, K. D. for shipping.

Price List

Size of Driver No.	Height from Sills to Top of Hammer Guides	Length of Sills	Width of Sills	Sheaves, Shafts, Boxes and Bolts for Head of Leads	Sheaves, Shafts, Boxes and Bolts for Foot of Leads	Length of Steam Line	Steam Line Fittings and Reducing Valve	One Pair No. 1 Toggles with Bolts	One Pair No. 2 Toggles with Bolts	Total Price of Ironwork	Total Weight of Ironwork	Extra Price if Oak Rollers are Substituted for Steel Rollers	Extra Expense to Ship with Sills
1,500	18	6 1/4	$65 00	$13.50	$15 50	30	21 1/2	$37 40	$16 50	$6 50	$154.40	$240 00	$394 40	$40 00
1,800	18	6 1/4	77 00	13 50	15 70	30	27 1/2	.....	.....	.....	160.40	.....	406 40	.....
2,000	19	7 1/4	85 00	18 00	21 00	35	32	51 20	..	..	198 20	310 00	508 20	50 00
2,500	19	7 1/4	105.00	18 00	21 00	40	37	59 20	..	..	226 20	420.00	646 20	..
3,000	20	8 1/4	118 50	18 00	21 00	50	47	86 20, 21 00	8.00	..	276.70	770 00	1046 70	70 00

On outfits above 3,000 pounds, prices will be given on application. When a Pile Cap is used, No. 1 or No. 2 Toggles are not required. On the larger sizes of leaders freight rates are liable to be prohibitory for long distances.

Prices of Hoisting Engines on application. For description, see pages 129 to 133.

Spring Punches.

Zenith, Cast Steel, Full Polished.

Per Dozen.

No. 10—With Assorted Tubes, Nos. 3 to 9, $6.00

Weight 8⅝ Lbs Per Dozen

One-Half Dozen in a Box.

Zenith, Revolving, Cast Steel, Full Polished.

Per Dozen.

No. 24—With Assorted Tubes, Nos. 4, 6, 8 and 10, $16.00

Weight, 11 Lbs. Per Dozen.

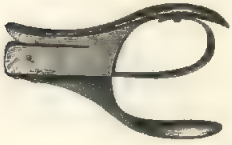
One Only in a Box.

Extra Tubes.

Sizes, Nos.	3	4	5	6	7	8	9	Per Dozen.
Extra Tubes, To Drive, Assorted, Nos. 3 to 9,								$1.50

Weight, 1½ Oz. Per Dozen.

Conductors' Punches.



Cast Steel, Nickel Plated.

Per Dozen.

No. 1—Improved Fancy Dies, ... $35 00

Weight, 3¾ Lbs. Per Dozen

Per Dozen.

No. 2—Fancy Dies, ... $13 50

Weight, 3 Lbs Per Dozen.

Cast Steel, Polished.

Per Dozen.

No. 6—Fancy Dies, ... $9.00

Weight, 2⅝ Lbs. Per Dozen.

Polished and Nickel Plated.

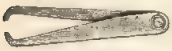
Per Dozen.

No. 44—Steel, Round Hole Dies, 3, 4, 5, 6-32 in., $8.00

Weight, 2 Lbs Per Dozen

Half Dozen in a Box.

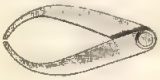
Calipers.



No. 262—Inside.

Best Cast Steel, Polished

Length, Inches,	3	4	5	6	8	10
Weight Per Dozen, Lbs.	½	¾	1	1½	2¼	3½
Per Dozen,	$3 00	3 25	3.75	4 25	6.00	8 00



No. 263—Outside.

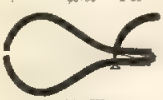
Best Cast Steel, Polished

Length, Inches,	3	4	5	6	8	10
Weight Per Dozen, Lbs.,	½	¾	1	1½	3	5
Per Dozen,	$3.00	3.25	3.75	4.25	6.00	8.00

No. 265—Double.

Best Cast Steel, Polished

Length, Inches,	3	4	5	6
Weight Per Dozen, Lbs.,	½	¾	1	1½
Per Dozen,	$3 50	4 25	5 00	6 00



No. 60—Wing.

Best Cast Steel, Polished

Length, Inches,	6	8	10	12
Weight Per Dozen, Lbs,	3¾	6	8¾	14
Per Dozen,	$7.00	9.00	11.00	13 00

No. 165—Registering, Inside and Outside.

Cast Steel, Nickel Plated, with Set Screw.

Length, Inches,	3	4	5	6
Weight Per Dozen, Lbs.,	¾	1¼	1¾	2¾
Per Dozen,	$7.50	9.00	10 50	12.00

All Calipers, Half Dozen in a Box.

Wing Dividers.

No. 1—Zenith.

Cast Steel, Polished

Length, Inches,	5	6	7	8	9	10	12
Weight Per Doz., Lbs.	1¾	3⅛	3¾	4½	6¾	7½	12
Per Dozen,	$5 50	6 50	6 50	7 50	9 00	10.00	12 00

5 to 8 in., One Dozen in a Box

9 to 12 in., Half Dozen in a Box

No. 2 Cooke's Extension, Single Leg.

Steel Pointed

Length, Inches,	8	10
Weight Per Dozen, Lbs.,	3½	6½
Per Dozen,	$11 00	

Half Dozen in a Box.

No. 3—Cooke's Extension, Double Leg.

Steel Pointed

Length, Inches,	8	10
Weight Per Dozen, Lbs.,	5½	7½
Per Dozen,	$12 00	13.00

Half Dozen in a Box.

Pencil Holders

Stanley's.

Per Dozen $3.50

Stanley's. Attachable to any Divider
Weight, ¾ Lbs. Per Dozen
One Dozen in a Box

MALLETS AND MAULS

PATENT RAWHIDE MAULS

These are heavy rawhide mauls made of discs of rawhide, compressed and held together by an iron center, with large head and nut, as shown. When the rawhide is worn out new discs can be inserted.

No.	Weight Lbs.	Each	No.	Weight Lbs.	Each
1	3	$1 80	4	8	$2 75
2	4	2 10	5	10	3.00
3	6	2.40	6	12	3 25

These are light mallets, made entirely of hide (except the handle) and suited to a variety of uses.

No.	Diameter Inches	Length Inches	Weight ounces	Price per doz.
1	1	$2\frac{1}{4}$	$1\frac{1}{2}$	$3 60
2	$1\frac{1}{4}$	$2\frac{3}{4}$	$3\frac{1}{2}$	4 50
2	$1\frac{1}{2}$	3	6	5 40
3	$1\frac{3}{4}$	$3\frac{1}{4}$	$7\frac{1}{2}$	6 25
4	2	$3\frac{1}{4}$	10	8 00
5	$2\frac{1}{4}$	$3\frac{3}{4}$	21	17 75
6	$2\frac{3}{4}$	$4\frac{1}{4}$	23	22 20

SOLID RUBBER

No.	1	2	3
Weight, lbs.	$1\frac{1}{2}$	2	4
Each	$1 25	1 50	2 25

PATENT HIDE FACED

These hammers are invaluable for machinists, workers in brass or silver, jewelry manufacturers, or for any one who needs to strike a hard blow without bruising the material he is at work upon.

Extra faces are sold for these hammers, and when worn out they can be renewed at a slight cost.

No.	Weight Lbs.	Diam. of Face in.	Price per doz.	Extra Faces per doz. Pairs
0	$\frac{1}{2}$	1	$8 90	$2 75
1	1	$1\frac{1}{4}$	10 50	2 90
2	$1\frac{1}{2}$	$1\frac{1}{2}$	13 50	3 60
3	2	$1\frac{3}{4}$	15 90	4 50
4	4	2	23 00	6 25
5	$5\frac{1}{2}$	$2\frac{3}{4}$	33 00	9 00

No. 0 has a Shell or Casting of Bronze.

SAILMAKERS' MALLETS

HICKORY

No.		Each
4	inch diameter.	$0 75
5	" "	85
6	" "	1 00
$6\frac{1}{2}$	"	1 45
7	"	1 75
$7\frac{1}{2}$	"	2 00
8	"	2 25

COPPER HAMMERS

	Weight Lbs.	Each
With Handles	$\frac{1}{2}$	$0 35
"	1	40
"	$1\frac{1}{2}$	66
"	2	80
"	$2\frac{1}{2}$	1 00
"	3	1 20
"	4	1 40

HICKORY AND LIGNUM VITAE

Round

Square

No.		Inches Long	Inches Diam.	Price per doz.
1	Round hickory, mortised.	5	3	$1 50
2	" "	$5\frac{1}{2}$	$3\frac{1}{2}$	2 00
3	" "	6	4	2 50
5	" lignum vitæ "	5	3	3 00
6	" "	$5\frac{1}{2}$	$3\frac{1}{2}$	4 00
7	" "	6	4	5 00
8	Square hickory, "	6	$2\frac{1}{2}$ x $2\frac{1}{2}$	2 40
9	" "	$6\frac{1}{2}$	$2\frac{3}{4}$ x $2\frac{3}{4}$	2 50
10	" "	7	3 x 3	3 00
11	" lignum vitæ "	6	$2\frac{1}{2}$ x $2\frac{1}{2}$	3 75
12	" " "	$6\frac{1}{2}$	$2\frac{3}{4}$ x $2\frac{3}{4}$	4 75
13	" " "	7	3 x 4	5 75

Crow Bars.

Wedge Point.

No. 1160—Solid Steel, Weight, 10 to 24 Lbs., . Per Pound $0 12

Pinch Point.

No. 1161—Solid Steel, Weight, 10 to 24 Lbs., . Per Pound $0 12

Railroad Lining Bar.

No. 1150—Solid Steel, Weight, 20 to 30 Lbs., . Per Pound $0 12

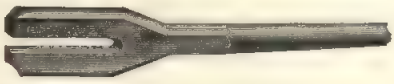
Railroad Tamping Bar.

No. 1140—Solid Steel, Weight, 20 to 30 Lbs., . Per Pound $0 16

Railroad Claw Bar.

No. 1120—Solid Steel, With Heel, 20 to 30 Lbs., ... Per Pound $0.22

Rail Forks.



No. 1100—Rail Forks, Solid Cast Steel Average Weight 9 to 14 Lbs. Each, . Per Pound $0 25

Track Wrenches.

No. 1110—Track Wrenches, Solid Cast Steel, for ¾ in Nuts Length 20 in Average Weight, 4 Lbs. Each, . Per Pound $0 25

Rail Tongs.

No. 1090—Rail Tongs, Solid Cast Steel, Average Weight, 15 Lbs Each, . . . Per Pound $0 30

Car Movers.

Each

No. 2—Sampson Car Mover, Wood Handle, Malleable Iron, Steel Spur. $6.00
Weight, 13½ Lbs. Each.

Each

Champion Car Mover, Solid Steel, Length 5 Feet, ... $5.00
Weight, 15 Lbs. Each.

It will work on any style of brake or wheel and between cars, getting its purchase from the rail to the wheel. Will not slip on ice or grease.

Track Levels.

Each

No. 7 Railroad Track Levels, 1¼x5 Inch, 6½ Feet Long. $5.00
Weight, 13½ Lbs. Each.
Shod with Steel, Spirit Glass in middle Protected by Iron Handle.

Track Gauges.

Each

No. 10—Huntington's Track Gauge, ... $3.35
Weight, 12 Lbs. Each.

It is light, strong and accurate. Stem of gas pipe, taper threaded both ends, to which malleable prongs are screwed, then pined through to secure. The two lugs at forked end bear, on flange edge of rail gauge, at a true right angle. Particularly desirable at curves, frogs and switches, where are obviated the frequent inaccuracies incident to the use of ordinary gauges.

WALL OR POST CRANE

No.	Capacity in tons	Size of Beam Inches	Working Radius	Distance from Wall to Extreme Point	Price with Beam Bracket, Trolley and Chain without Hoist	Price for Each Additional Foot in Length of Beam
6170	¼	4	11 ft. 7 in.	13 ft. 4 in.	$51 00	$0 70
6171	½	5	11 " 6 "	13 " 5 "	62 00	90
6172	1	6	11 " 5 "	13 " 6 "	74 00	1 10
6173	1½	7	11 " 4 "	13 " 7 "	87 00	1 35
6174	2	8	11 " 2 "	13 " 8 "	102 00	1 60
6175	3	9	11 "	13 " 9 "	117 00	1 90
6176	4	10	10 " 10 "	13 " 10 "	136 00	2 25
6177	5	12	10 " 9 "	13 " 11 "	160 00	2 60

SIMPLEX PORTABLE CRANE AND HOIST

One man can lift two tons and move it to any part of the works. Attention is called to the compactness of design of this machine which readily fits it for all out of the-way corners of your factory.

No.	Capacity tons	Price	Height of Crane	Height of Hoist	Overhang	Weight Pounds	Width of Bed Outside	Length of Bed	Height of Bed
90	1	$100.00	5 ft. 4½ in.	4 ft. 3 in.	2 ft. 1½ in.	600	2 ft. 5 in.	2 ft. 11 in.	11½ in.
91	1½	100.00	6 " 4½ "	5 " 3 "	2 " 4½ "	665	2 " 8 "	3 " 2 "	12 "
91L	1½	100.00	6 " 4½ "	5 " 3 "	2 " 4½ "	660	2 " 8 "	3 " 7 "	6¾ "
92	2	112.50	7 " 10 "	6 " 8 "	2 " 7½ "	790	2 " 10 "	3 " 5 "	12 "
93	2	112.50	7 " 10 "	6 " 8 "	2 " 7½ "	785	3 " 3 "	3 " 10 "	6¾ "
94	2½	125.00	8 " 4 "	7 " 3 "	2 " 8½ "	1000	3 " 2 "	3 " 10 "	12 "
95	2½	125.00	8 " 4 "	7 " 3 "	2 " 8½ "	1000	3 " 8 "	3 " 10 "	6¾ "
96	3	150.00	9 " 5 "	8 " 4 "	2 " 11 "	1150	4 " 2½ "	4 " 11 "	12 "
97	3	175.00	9 " 5 "	8 " 4 "	3 " 11 "	1800	4 " 2½ "	4 " 11 "	12 "

LANTERNS

LAKE AND RIVER GOVERNMENT PATTERN

For Kerosene with No. 1 Convex Burner

Lake and River

Style	Per Dozen	Globes Only per Dozen
With white globes	$14.50	$1.30
" green or blue globes	20.00	6.80
" red globes	24.00	10.80

No. 39 RAILROAD

Burns Lard Oil, has Hinge Top and Removable Globe

Single or double guard with No. 1 burner.

Tin with white globes, per dozen	$12 00
" " Ruby " " "	20 50
" " blue or green globes " "	16 50
Brass with white globes " "	42 00
Nickel plated, white globes " "	54 00
Globes only, white " "	1 50
" " ruby " "	8 00
" " blue or green " "	4 50

No. 39. Railroad Single Guard

No. 3 CONDUCTORS' LANTERN

Burns Lard Oil, has Hinge Top and Removable Globe

No. 3 Conductors'

Style	Burner	Price Each: With White Globes	Price Each: With Half Ruby or Green Globes	Globes, Per Doz.: White	Globes, Per Doz.: Colored
Brass	1/2 Ratchet	$7.00	$7.50	$5.00	$30.00
Nickel Plated	5/8 "	6.00	8.50	6.00	30.00

NAVY

Galvanized Iron. The Strongest Lantern Manufactured

Size Globe Inches	With White Globes, Per Doz.		Globes Only, Per Doz.		
	Galvanized	Polished Brass	White	Ruby	Green
4 1/2	$13.50	$30 00	$1.30	$10.00	$7.00
6	22 00	.....	2.25	....	....

Navy Lantern

STEAMER SIGNAL LAMPS

BUFFALO PATTERN

No. 1 Heavy Brass

10 inch Steamer Signal Lamps, patent fluted lens, in sets of three, ruby, green, and white, per set of 3	$96 00
10 inch Head Light, white, each	36 00
10 inch Side Lights, red or green, each	30 00
For extra heavy guards, per set add	16.00
For brass guards for Head Light, each	6 00
8 inch Steamer or Tug Signal Lamps, patent fluted lens in sets of 3, ruby, green and white, per set of 3	80.00
8 inch Head Light, white, each	28 00
8 inch Side Lights, red or green, each	26 00
For brass guards, per set, add	12 00
Brass guards on Head Light, each	5.00

No. 1 Heavy Brass

No. 2. Galvanized Iron or Japanned Tin

10 inch Steamer Signals, galvanized, per set of 3	$55.00
10 inch Steamer Head Light, galvanized, each	20 00
10 inch Steamer Side Light, galvanized red or green, each	18 00
10 inch Steamer, heavy tin, japanned, same prices as above	
8 inch Steamer or Tug Lamps, galvanized, per set of 3	43 00
8 inch Head Light, Galvanized, each	18 00
8 inch Side Lights, galvanized, red or green, each	13 00
8 inch tin, japanned, same as galvanized	

No. 2 Galvanized Iron or Japanned Tin

Complete assortment of these goods in our Marine Catalog. If interested, send for it.

MARINE SIGNAL LAMPS

New York Pattern

Plain Lens

Fresnel Lens

SIDE LIGHTS

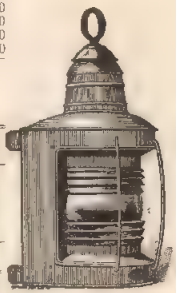
PLAIN LENS

No	Size Glass Width, Height inches	Height Frame inches	Extreme Height inches	Width Base inches	Galv. per pair	Polished Brass per Pair	Lens Only Green	Lens Only Red
01	4¼x4	6	8½	6¼	$4.50	$7.00	$0.50	$0.50
1	5 x4¼	7	10	6½	3.75	6.75	.50	.50
2	5¼x5½	8¾	13¾	7¼	5.00	9.00	.60	.60
3	6¼x5	9¼	15¾	9	5.25	10.00	.80	.80
3x6	6¼x5¼	8½	12	7	6.50	11.00	.80	.80
4	6¼x6	10	16¾	9	6.75	14.00	.70	.70
5	7½x7½	11	17½	10	8.00	16.00		

FRESNEL LENS

6	4 x4¼	6¾	9¾	6¼	$6.00	$4.50	$1 20	$1.80
7	4¾x5	8½	11¾	7¼	6.75	9.75	1.50	2 00
7½	5 x5½	9	11	7¼	6.75	9.75	1 50	2 00
8	5½x5¾	9¼	16¾	9	7 00	11.00	1.50	2 00
9	6¼x5¾	10	16½	9	9.00	16.00	3.50	4.00
10	6½x6½	11½	17½	10	10.50	18.00	3.50	4 00
10	6¼x6½	12	19	11¼	12.50	23.00	3.50	4.00
11	10 x7½	13½	21	13¼	21.00	30.00	5 70	7.80

Plain Lens



Fresnel Lens

BOW LIGHTS

PLAIN LENS

No	Size Glass Width Height inches	Height Frame inches	Extreme Height inches	Width Base inches	Galv. each	Polished Brass each	Lens Only each
017	4¼x3½	6¼	8½	4½	$3 50	$6 00	$0 50
17	4¼x4½	7¼	11	5¼	4 50	6 00	50
18	5½x4½	8¼	14	6	4 75	8 00	50
19	5¾x6	10¾	17¼	7½	5 00	8 50	70
20	6 x7	10½	17	7½	5 25	9 00	90

FRESNEL LENS

12	4¾x4½	7¼	9¼	4½	$5 00	$6 75	$1 00
13	4¾x5½	8¼	14¼	6	5.25	9 00	1 00
13½	6¼x5¼	8¼	14	6¼	5.50	9.25	2 00
14	5¾x5¾	10¼	11	6¼	5.75	9 50	2 00
15	6 x6¼	10½	17½	7½	6 00	10 00	3 00
16	8 x7¼	13¾	21 ¼	9¼	12 00	16 00	5 00

Regular Fresnel Anchor Light

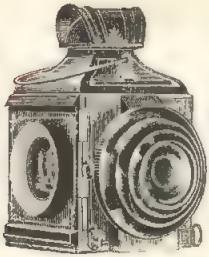
ANCHOR LIGHTS

No	Diam. of Glass inches	Height of Glass inches	Height of Frame inches	Extreme Height inches	Galv each	Polished Brass each	Add for Red, Green or Blue Lens	Lens Only White each	Lens Only Red, Green or Blue each
22½	4¾	4¼	8	10½	....	$6.00	$1 50	$2 00	$3 50
21½	5¾	5	9½	14½	$5.00	7.00	1.80	2 25	3 75
21	4¾	4¼	8¼	13¾	3.00	5 00	1 50	2 70	4 25
22	6	5¾	12	18¼	5.25	10 00	1 75	2 25	3 75
20½	6	6¾	12½	19	6 00	10 70	2 00	3 00	5 00
23	8	7	13¾	21	10.50	15 00	3 00	5 00	8 00

Fancy Fresnel Anchor Light

Complete assortment of these goods in our Marine Catalog. If interested, send for it.

Lamps.



No. 15.

Coach and Caboose Tail Lamps.

For rear platform of Coaches. Made to burn either Kerosene or Lard Oil. Lamp has 8⅝-inch lens. A plain white glass on each side, 4½ inches in diameter, serves to light platform of car.

Engine Steam Guage. Water Guage Lamps.

No. 5.

Cab Lamp. Brass and Tin.

No. 6.

Water Gauge Lamp, Brass and Tin.

Prices on Application

Tubular Lanterns.

Dietz Junior, Brass.

Per Dozen.

Dietz Junior Brass Cold Blast. Takes Junior, U S. or Gem Globe. $18 00

Weight, 45 Lbs. Per Dozen.

One Dozen in a Case.

Per Dozen.

Cadet—Brass, Height 6¼ in., ⅞ in. Wick, . . $5 00

Weight, 7 Lbs. Per Dozen.

One Dozen in a Case.

Railroad.

Tin, Double Guard, Ratchet Burner. (Burns Lard Oil.)

Per Dozen.

No. 39—Railroad, with White Globe, . . $11.00

No. 39—Railroad, with Ruby Globe, . . 19 50

Weight, 42 Lbs. Per Case.

One Dozen in a Case.

"Queen" Conductor.

Heavy Brass, Nickel Plated, Standard Size, Hinge Top, Removable Oil Cup, which screws into bottom. Spring Glove Holder.

Each.

Queen—With White Globe, ... $ 9.00

Queen—With Green and White Globe, . 10 25

Queen—With Ruby and White Globe, 10 75

Weight, 40 Lbs. Per Case.

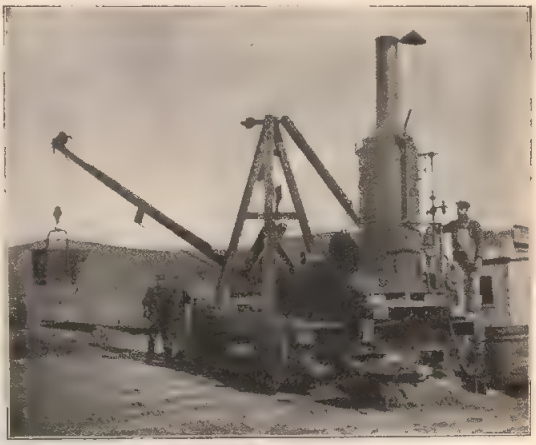
One Dozen in a Case.

PORTABLE DERRICK

MOUNTED ON TRUCK WHEELS

Built for any gauge and for capacity up to two tons, which can be increased by the use of guys. Can be operated by steam, electric motor, or hand power.

PRICE ON APPLICATION



DERRICK CAR

TIMBER OR STEEL CONSTRUCTION

Operated by Three Drum Hoist with Swinger. Moved along track by a line on the winch head, or a propelling device furnished if desired.

PRICE ON APPLICATION

Stating Size of Bucket and Reach of Boom.

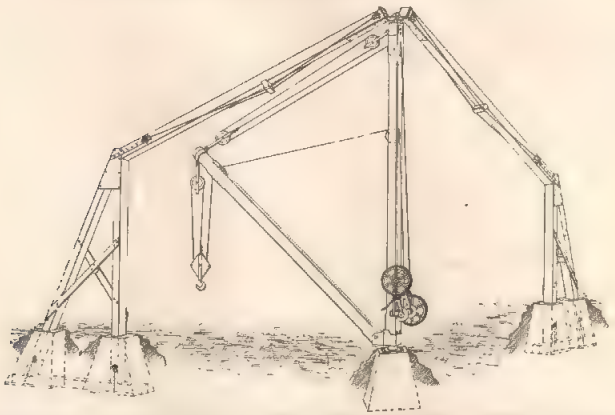
STEEL CRANE DERRICK

33 foot Jib, 5 tons Capacity

TWENTY TON BARGE DERRICK

With 70 foot Boom and 2½ yard G. H Williams "Falvrette" Clam Shell

FULL CIRCLE STIFF LEGGED DERRICK No. 74



The advantage of this style of Derrick is the ability to have a boom swing the full circle and this style of rig taking less room than where guys are used. The frames supporting the stiff legs are varied as may be desired.

LIST OF FITTINGS

Without Hand Power, Timber and Rope

Description of Parts		Price "A" 10 Inch Mast	Price "B" 12 Inch Mast	Price "C" 14 Inch Mast	Price "D" 16 Inch Mast
1 Standard Foot Block		$11 50	$14 50	$21.00	$42 00
1 Plain Step		4 00	4 50	6 50	8 50
1 Mast Top, Square		12 00	15 00	21 00	27 00
2 Straps for Top of Legs		19 00	22 00	28 00	36 00
4 Straps for Bottom of A Frames		16 00	24 00	40 00	56 00
2 Sets Straps for A Frame and Leg Connections		24 00	40 00	48 00	70 00
4 Truss Rods		60.00	68 00	78.00	92 00
1 Flat Boom Band		5 00	6 50	7.50	9 80
3 P. B. B. Sheaves		8.00	8 50	9 80	11 40
3 Pins for Sheaves		1.65	1 95	2.25	2.55
3 Strap Blocks		16 50	21 00	27.75	34.50
1 Swivel Hook Hoisting Block		11 00	13 75	23 00	33 00
Price, Total		$188 65	$239 70	$312 80	$422 75
Rope Fittings	4 Clips	$1.20	$1.40	$1.60	$1.80
	2 Thimbles	.22	.26	.30	.32
Price, Complete		$190 07	$241 36	$314 70	$424 87
Sizes	Square Timber, Mast at Bottom, inches	10x10	12x12	14x14	16x16
	Square Timber, Mast at Top, inches	8x 8	10x10	12x12	14x14
	Square Timber, Boom at Bottom, inches	8x10	10x12	12x14	14x16
	Square Timber, Boom at Point, inches	8x 8	10x10	12x12	14x14
	Approximate Capacity, tons	3	6	10	15

STIFF LEGGED, HAND POWER DERRICK No. 75

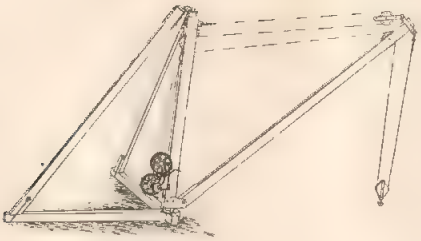


Illustration shows stiff leg derrick operated by hand power. Where speed is not a factor, this style of derrick will give perfect satisfaction.

PRICE LIST OF FITTING

Without Hand Power, Timber and Rope

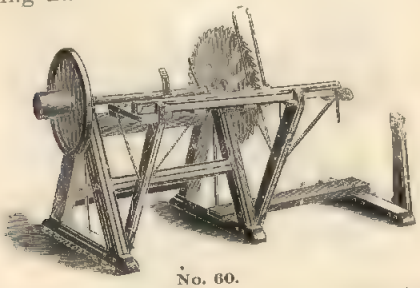
Description of Parts	Price			
	"A" 10 in Mast	"B" 12 in Mast	"C" 14 in. Mast	"D" 16 in Mast
1 Standard Foot Block	$11 50	$14 50	$21 00	$12 00
1 Plain Step	4 00	4 50	6 50	8 50
1 Mast Top, Square	12 00	15 00	21 00	27 00
2 Straps for Top of Legs	19 00	22 00	28 00	36 00
2 Straps for Bottom of Legs	8 00	12 00	20 00	28 00
1 Flat Boom Band	5 00	6 50	7 50	9 80
2 Shackles	1 20	1 81	3 34	5 00
1 Idler Sheave and Boxes for Top of Mast	1 80	1 80	2 15	2 65
1 P. B. B. Sheave for Top of Mast	3 00	3 00	3 40	4 00
1 P. B. B. Sheave for Top of Mast	2 50	2 50	3 00	3 40
1 P. B. B. Sheave for Point of Boom	2 50	3 00	3 40	4 00
3 Pins for Sheaves	1 65	1 95	2 25	2 55
1 Swivel Hook	11 00	13 75	23 00	33 00
1 Strap Block for Boom	5 50	7 00	9 25	11 50
Price, Total	$88 65	$109 34	$153 79	$217 40
Rope Fittings { 4 Clips	$1 20	$1 40	$1 60	$1 80
Rope Fittings { 2 Thimbles	22	26	30	32
Price, Complete	$90 07	$111 00	$155 69	$219 52
Sizes { Square Timber Mast at Bottom, inches	10x10	12x12	14x14	16x16
Sizes { Square Timber Mast at Top, inches	8x 8	10x10	12x12	14x14
Sizes { Square Timber Boom at Bottom, inches	8x10	10x12	12x14	14x16
Sizes { Square Timber Boom at Point, inches	8x 8	10x10	12x12	14x14
Sizes { Approximate Capacity, Tons	3	6	10	15

Capacities given are approximate for boom of equal length with mast.

For a boom of greater length than mast capacity should be determined according to relative proportion

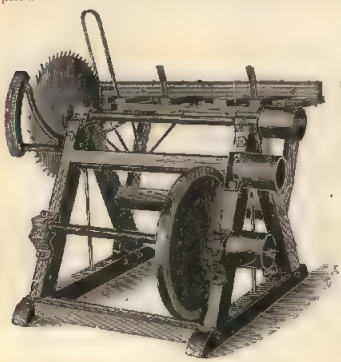
Saw Mill Machinery.

Swing Table Cord Wood and Pole Saw.



No. 60.

This is a practical machine for sawing either cord wood or poles. As a cord wood saw table is used as shown in cut. When used as a pole saw the table is removed to the right and supported by the auxiliary frame and sawed wood drops to the left. The change can easily be made in five minutes. Frame is strongly built of hard wood, well ironed and all joints bolted. Swing table is supplied with rollers and so balanced as to operate very easily when heavily loaded. Saw mandrels are 1⅞ inch with arbor for saw with 1⅝ inch hole. Balance wheel is accurately balanced and weighs 95 pounds, fitted with 5½x6 inch drive pulley. Saw is supplied with both front and rear guard. Weight 350 pounds.



No. 70.

Swinging Table Saw With Low Balance Wheel.

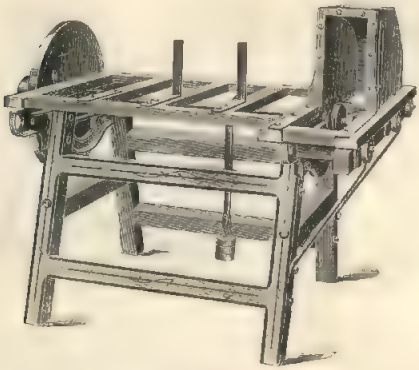
This saw mill is built practically on the same line and dimensions as the combination cord wood and pole saw, except that balance wheel is mounted on seperate shaft, low enough to be entirely out of the way of the feed table, thus enabling any operator to saw any length of wood without changing feed table. Arbor for saw with 1¼ inch hole. An idler pulley not shown in cut is situated between the saw pulley and balance wheel pulley. Weight, 350 Lbs.

Sliding Table Saw.

We also build a square frame sliding table saw. Table mounted on rollers, furnished with hood for saw, etc. Weight, 300 Lbs.

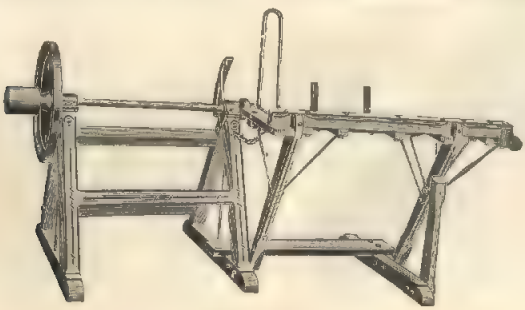
Price on Application.

Sliding Table Saw Machine.



No. 80.

A popular style of saw, has a square hard wood frame of selected material and very carefully made, with all joints bolted. Table is mounted on rollers and works on an iron frame or track has 1⅛ inch shaft with arbor fitted for saw blade with 1⅛ inch hole the boxes are very carefully babbitted and every care is used in the construction in order to make a perfect working saw. The Hood over saw is large enough for 30-inch saw, pulley is 5½x6 inches the entire machine is nicely painted and well finished and will give perfect satisfaction. Shipping weight 325 pounds.

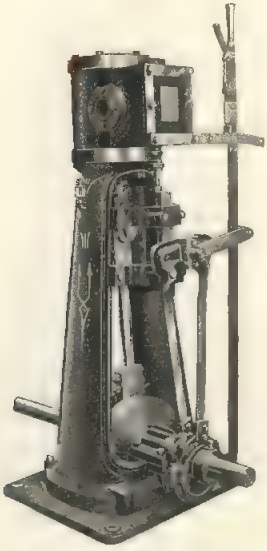


No. 65.

Cut Showing Pole Attachment as Used For Sawing Poles

Write us for Prices.

Engines.

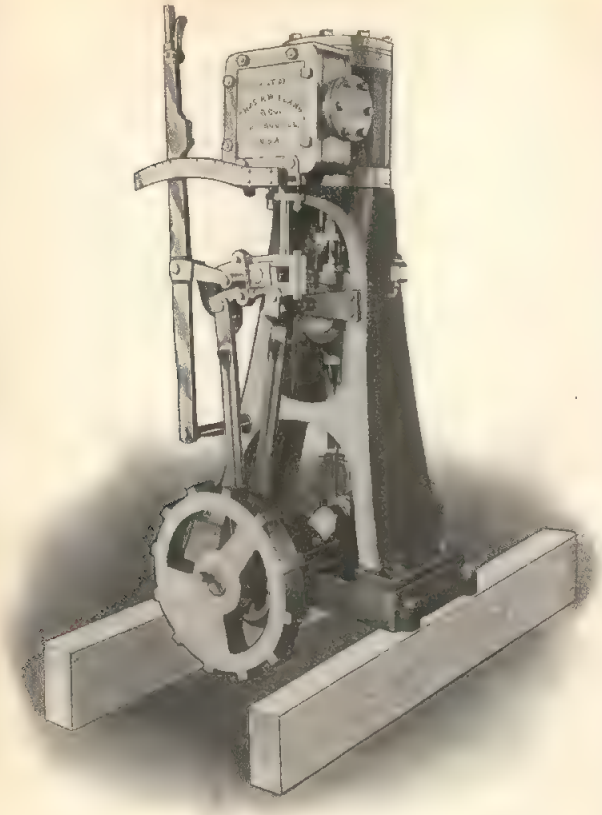


The Sterling Marine Engine.

The simplest, strongest and best boat engine we have ever offered for the price. These engines are all center-crank engines with double discs and counter balances, and are thoroughly and substantially built. The cross head has the most improved form of wedge and screw adjustment and connecting rods are of forged steel with brass boxes and strap and key joints.

Diameter of Cylinder, Inches,	3	4	5	6	7	8
Length of stroke, inches,	4½	5	6	8	8	10
Height from bottom of sole plate to top of cylinder in.	35½	39¼	46	54	54	64½
Diameter of crank shaft, inches,	1½	1⅞	2	2½	2½	2⅞
Diameter from center of shaft to bottom of sole plate, in.	5½	4½	5⅛	6½	6½	7⅛
Weight complete, lbs.,	295	400	585	865	990	1320

Included with each engine at the price are the following: Sight-feed cylinder lubricator, throttle valve, brass oilers, Stevenson link. Price on application.



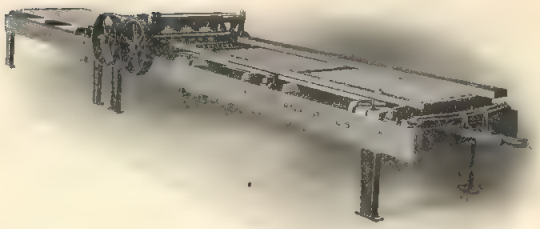
Inverted Cylinder Marine Engines.

Diameter of Cylinder, In.,	10	10	12	12	14
Length of Stroke, In.,	10	12	12	14	14
Diameter of Crank Shaft, In.,	3	3½	4	4½	5
Height to Top of Cylinder, In.,	66	73	78	86	86

Prices on application.

Marshall-Wells Hardware Co.

Dixie Gang Edger.



In Design, Strictly up-to-date.
Parts, To Templates.
Front Press Roll, Is a feature.
An Index, Shows position of Saws.
The Frame, Is one solid casting.
The Arbor, Has self-oiling Bearings.
Saws, Can be adjusted three inches apart.
Idle Rolls, In front and back tables.
Built in Two Widths, 30 inch and 40 inch.

Built with two or three Saws, or, we can furnish Irons alone for 30 inch machine. Intended for 1 and 2 inch Boards.

The Front Press Roll is self raising, and no overhead levers are required. The saws are always in plain view, and the bars on frame as Index show the distance between them in the simplest manner. The front press roll insures safety to operator.

Shipping Weight.

	Pounds
40-inch Edger with 16 inch Saws,	2,100
30-inch Edger with 14-inch Saws,	1,500

No. 1 Dixie Improved Two Saw Lumber Trimmer.

Two Feeds.

Arbor, 1 15-16 inches in diameter.
Drive Pulley, 8 inches by 8 inches.
Pulley, Can be at either end or center of arbor.
Arbor Has 6 bearings, 2 being always at saws.
Chain Carriers, Being pulled equally from each end do not bind.
Two Chain Feeds, One 31 feet, the other 55 feet per minute.
Change of Feed, Made at any time by shifting a lever.
Feed Stopped, Instantly by same lever.
Two 18 Inch Saws, With each machine will carry 20 inch saws.
Built in Two Sizes, To cut 16 feet and 20 feet. Either length will trim as short as 5 feet.

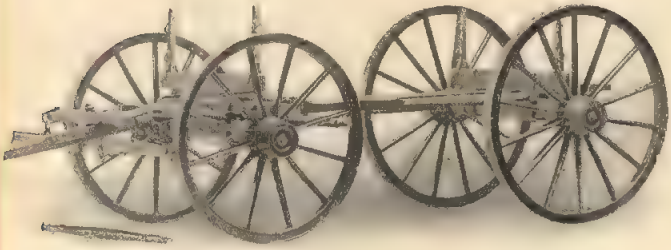
The Simplest, Strongest and Best Two-Saw Trimmer on the market.

Shipping Weight.

	Pounds
16-foot Trimmer,	1500
20-foot Trimmer,	1700

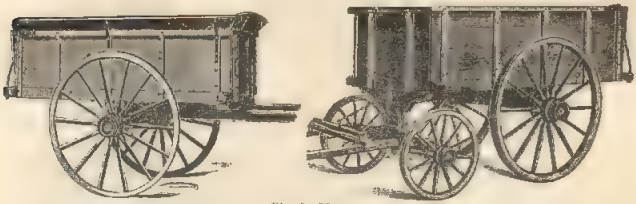
Price on Application.

Vehicles.



We carry a complete stock of Toledo Wagons, from light One Horse to Heavy Teaming Geers
Write for Special Catalog and Prices.

Dump Carts.

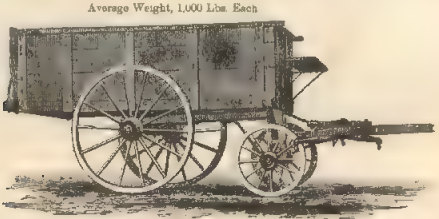


Single Horse.

No. 22—Dump Carts, 2 Wheels 4 ft 6 in Diameter, 3¾ in. Skeins, Box 7 ft. 6 in. by 3 ft 6 in., Flaring Side Pieces 9 in Wide, Boxes are Hardwood, Flaring and Bolted, . . . $110 00 Each.

No. 21—Dump Carts, 4 Wheels, 4 ft 6 in and 2 ft. 6 in., Tires 2 in. and 3 in by ⅜ in., Skeins 3 and 4-in., Box 4 ft. by 8 ft 6 in., 2½ ft. High, Hardwood and Bolted, 4 in. Wider in Front than Rear, ... $125 00 Each.

Average Weight, 1,000 Lbs. Each



Two Horse.

No. 19—Dump Carts, 4 Wheels, 4 ft 8 in. and 2 ft. 6 in., Tire 3 in. and 4 in. by ⅜ in., Box 9 x 5 x 3 ft., Flaring, Skeins 3½ and 4½ in., ... $140 00 Each.

Average Weight, 1,500 Lbs Each.

End Door Rollers. Side Door Rollers. Timber Dollies.

No. 8—End Car Door, Wood Roll, Iron Bound, 14 in Long Heavy Iron Clamps, ... $ 6.00 Each.

Weight, 13 Lbs. Each

No. 2—Side Car Door, Iron Rolls, Length of Pipe 56 inches Screw 16 in May be changed to any height in the doorway, $10.00 Each.

Weight, 35 Lbs. Each.

No. 9—Timber Dollies, Cast Iron Roller, 6 in. Diameter, Hardwood Frame, $3 00 Each.

Weight, 55 Lbs Each

Locomotive Lights.

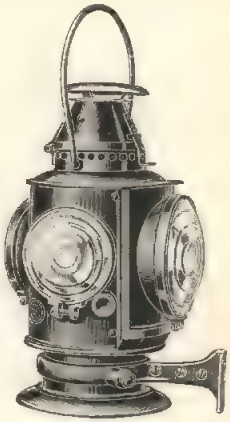
No. 583.

Round Case Headlight.

With Side Numbers.

16 inch, extreme height, inches,	31⅜
18 inch, extreme height, inches,	32
20 inch, extreme height, inches,	37½
23 inch, extreme height, inches,	39

Used on the famous Empire State Express Engine, No. 999, New York Central RR.



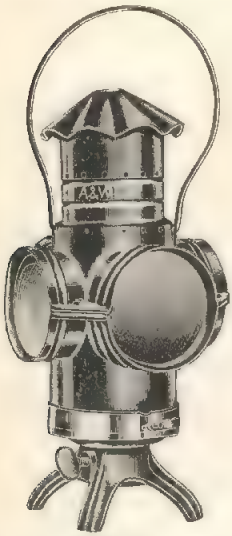
No. 83.

Coach and Caboose "Tornado" Tail Lamps.

Fitted with air tight sliding door for removing oil pot, cleaning lenses or lighting lamp. Our Non-Sweating Top Ventilation prevents the gathering of moisture, frost or ice on the inside of the body of lamp or lenses, which adds to the life of the lamp and insures the full signal power of the lenses at all times. The oil pot is square in shape and drawn from two pieces of metal. The lamp body is made from heavy sheet steel and covered with a coating of tin to protect it from the action of the elements. Outside wick raiser and peep hole for adjusting the flame. Adjustable bracket for changing position of lenses. The lamps are fitted with any size or color of lenses desired.

Prices on Application.

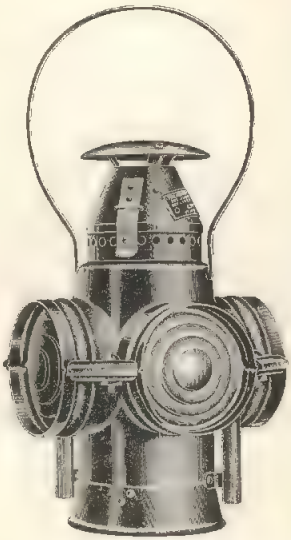
"Bessemer" Sheet Steel Switch Lamp.



No. 65.

Non-Sweating Top Ventilation.

No 65 has malleable iron base attached to bottom of lamp by means of a bayonet catch locking device. Oil pot is removed from bottom of the lamp.



No. 63.

Non-Sweating Top Ventilation.

The large number of these lamps now in use and the increasing call for them testify to their being the most popular and satisfactory Switch Lamp ever produced.

Principal Features Constructed of two pieces heavy sheet steel, securely bolted together. Has non-sweating top ventilation. Has drawn sheet steel oil pot. Fork sockets have springs to relieve the jar. Compact, light, durable and economical.

Made in two sizes. Four 5⅜ inch lenses or two 4⅛ and two 4⅛ inch lenses. This Lamp is also made for use without forks.

Prices on Application.

SAW TOOLS AND KNIVES

MORRILL'S PERFECT SAW SET

For Hand, Band, Scroll, Circular or Mill

No. ½. For Band Saws, from 22 to 16 G.....$1.00
No. 1. For Hand " " 32 to 16 G..... 1.00
No. 3. For Single Tooth Cross cut and small Circular Saws, 20 to 14 G..... 1.50
No. 4. For Champion M Tooth Cross-cut 22 to 14 G..... 1.50
No. 5. For Board and Timber Saws and all kinds of Re-saws, from 6 to 14 Gauge..... 2.00

THE TABOR SPEED INDICATOR

Each.....$1 00

STANDARD SPEED INDICATOR

Each.....$1.00

V. P. SHAFT SPEED COUNTER

(Vest Pocket)

Accurate, Durable

Positively will not Clog or Heat

Reads right or left. The arrow point, applied to center of arbor or shaft, removes all dirt and oil. Take initial reading, hold the counter by the arrow point and apply rubber tip to center of arbor or shaft, deduct initial reading from final result, which will give the number of revolutions.

Each.....$2.00

KNIVES

PLANING MACHINE KNIVES

24 Inches Long, 3¼ Inches Wide, ¾ Inch Thick

In ordering Planing Knives, etc., place the knife face down on a piece of blank paper, mark around to show the length of knife, and size and position of slots, and be sure to state the width and thickness as shown in diagram above, and number of knives in a set. Also where it is possible, give name of the maker of machine.

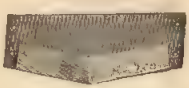
Prices

Knives 6¼ inches to 31 inches long, 4 inches wide or less, ⅜ in. thick or less, 18 cents per in. in length.

STAVE KNIFE

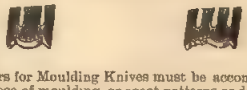
In sending in orders for Stave Knives, state length, width and thickness of knife; also the circle to which knife is to be concaved.

SHINGLE KNIFE



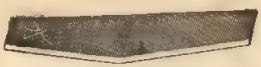
In ordering Shingle Knives, follow the same direction as for Planing Machine Knives.

MOULDING KNIVES



Orders for Moulding Knives must be accompanied by a piece of moulding, or exact patterns or drawings of knives required.

LISTING OR STAVE JOINTER KNIFE



Directions for ordering Planing Machine Knives apply also to Listing or Stave Jointer Knives.

SAWS AND TOOLS

HACK SAWS

For Sawing Brass, Iron, Steel, Lead Pipe and Metals of all Kinds

No 10 Extension Hack Saw Frames

No 30 Cast Iron Hack Saw Frames

RAU HACK SAW

contractors.

BLADES

Swage Bar and Hammer

SILVER SOLDER

MARVEL DRAW CUT POWER HACK SAW No 1

on inner portion of crank,
ast the coiled steel spring.
lds a steel rod, hooked firmly to rear por-
on made rat on the draw cut. On return or push motion the
tension releases. The tension on spring is regulated by hand

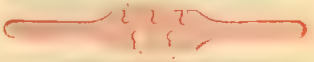
sion to table so material rests on both sides of saw.
can be taken up to any extent if the two saw bear
s, which have a set compactly for oiled waste
the drive shaft has bronze bearing.
tarter and knock off are at front of machi
Blade, 12 in
Weight—110 pou

SAW GAUGE

SWAGE OR UPSET

No 1

No 2

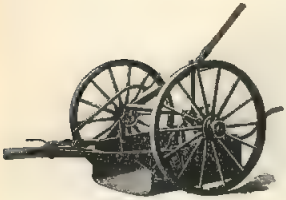


Saw Set, as per
each

.65
.65
1.00

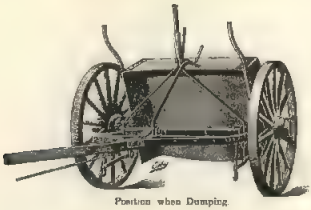
Wheel Road Scrapers.

Western.



In Position to Scrape

Position when Loaded



Position when Dumping

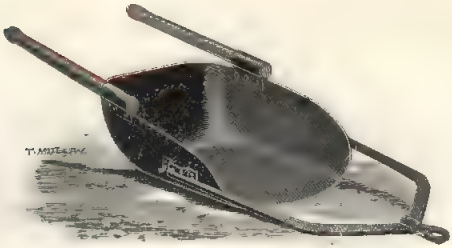
No. 2—Wheeler, Capacity 12 Cubic Feet, Wheels made of Selected Stock 40 in high, Tires 3 in. by $\frac{5}{8}$ in., Axle $1\frac{1}{4}$ in square, Arched $3\frac{1}{4}$ in higher than Old Standard Wheeler; Bail of entirely new pattern, bent around on a line with the top edge of the pan and supported by the Lever, which is arched (see cut) and extends forward and is firmly attached to the axle, giving abundant clearance for the dirt in filling and dumping. Bowl 3 ft. 2 in wide, 3 ft. 1 in. long, $13\frac{1}{2}$ in. deep, Draft Hooks, Patent Automatic, prevent Scraper from dumping while being filled and regulate the cut to even depth. . . . . Each $60 00

Weight, 650 Lbs Each.

No. 3—Wheeler, with Draft Rod, Capacity 16 Cubic Feet, Wheels made of Selected Stock 46 in high; Tires 3 in by $\frac{5}{8}$ in ; Axle $1\frac{1}{2}$ in. square, Arched $3\frac{1}{4}$ in higher than Old Standard Wheeler; Bail of entirely new pattern bent around on a line with the top edge of the pan and supported by the Lever, which is arched (see cut) and extends forward and is firmly attached to the axle, giving abundant clearance for the dirt in filling and dumping Bowl 3 ft. 8 in. wide, 3 ft. 5 in long, 16 in. deep, Draft Hooks, Patent Automatic, prevent Scraper from dumping while being filled and regulate the cut to even depth. . . . Each $70.00

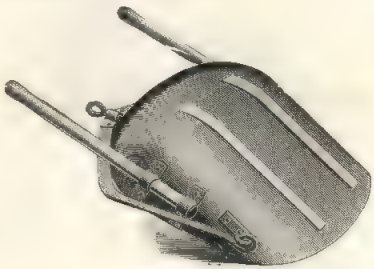
Weight, 775 Lbs Each

Road Scrapers.



Genuine Columbus.

	Each
Without Runners.	
No. 1—Width, 32 in., Depth, 11¼ in., Weight, 102 Lbs.,	$13 00
No. 2—Width, 29 in., Depth, 11½ in., Weight, 94 Lbs.,	12 00
With Runners.	
No. 1—Width, 32 in., Depth, 11¼ in., Weight, 110 Lbs.,	$14.00
No. 2 Width, 29 in,, Depth, 11½ in., Weight, 102 Lbs.,	13.00



Standard.

	Each
Without Runners.	
No. 1—Width, 32 in., Depth, 11¼ in., Weight, 90 Lbs.,	$12.00
No. 2—Width. 29 in., Depth, 11½ in., Weight, 80 Lbs.,	11.00
With Runners.	
No. 1—Width, 32 in., Depth, 11¼ in., Weight, 98 Lbs.,	$13.00
No. 2—Width. 29 in., Depth, 11½ in., Weight, 88 Lbs.,	12.00

No. 1 Carries 7 Cubic Feet of Earth, Used for Long Haul or Down Grade. No. 2 Carries 5 Cubic Feet of Earth, Used for all Ordinary Grading, Farm Roads and Township Work.

Extra Scraper Handles.

	Per Dozen
Extra Handles, For Steel Road Scrapers, Weight, 30 Lbs. Per Dozen,	$4.00

WILLIAMS CLAM SHELL BUCKETS

FOR HANDLING SAND, GRAVEL, ORE ETC.,
AND FOR EXCAVATING

Type C
With Round Corners

Type D
With Square Corners

The Williams Bucket is an all Steel construction including even the sheaves which are finished smooth in the score, bushed with bronze and are bored to turn on pins of large diameter.

They save Time, Labor and Money.

Their first cost is entirely wiped out in what they save of what previously was waste.

Capacity Yards	Approximate Weight Pounds	Each	Extra for Teeth
½	2000	$450.00	
¾	2400	500.00	$30 00
1	2850	550.00	
1¼	3200	600 00	
1½	3700	675.00	
1⅝	3900	725 00	40 00
2	4200	800 00	
2½	5000	875.00	50 00
3	6000	1000.00	

YACHT AND SHIP BELLS

GENUINE BELL METAL

Weight, pounds	Diameter, inches	Bright, Each	Polished, Each
13	8½	$5.70	$8.50
16	9½	7.05	11.35
20	10½	8.70	12.35
25	11	10.90	15.00
30	12	13.00	17.90
35	12½	15.25	20 70
40	13	17 45	23 55
50	14	21 80	28 55
60	15	26 15	33.00
70	16	30.55	37 75
80	17	34 80	42 35
100	17½	43.80	51.42

SIGNAL AND BINNACLE BELLS

PLAIN AND POLISHED Made of Best Bell Metal

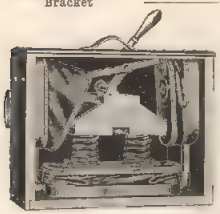
With Stationary Bracket

Diameter of Opening, Inches	Plain Each	Polished Each
5	$3.75	$5 00
6	4.75	6 00
7	6 25	8.00
8	9.00	12.00
9	13.00	18 00
10	15.00	20 00
11	20 00	25 00

With Detachable Bracket

With Detachable Bracket			With Stationary Bracket		
Diameter of Opening, inches	Plain Each	Polished Each	Diameter of Opening, inches	Plain Each	Polished Each
5	$3.00	$4 00	5	$2.75	$3.75
6	4 00	5 00	6	3 50	4 50
7	5 00	7 00	7	5.00	6 50
8	8 00	0 00	8	7 50	9 50
9	13 50	15 00	9	12 00	14 00
10	14 00	17.00	10	13.00	16.00
11	18.00	22 00	11	17.00	21.00

With Stationary Bracket

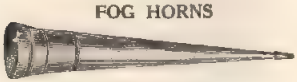


Cut shows Interior Arrangement

LOTHROP'S FOG HORN

Style	Length Inches	Width Inches	Height Inches	Weight pounds	Price Each
Boat	17½	9	10½	19	$12.00
Yacht	17½	9	15	26	12.50
Vessel	20½	9½	16¾	33	15.00
Double Horn	20½	9½	18	39	20.00

FOG HORNS



Extra Quality Tin
Wood Mouthpiece and Brass Reed

Inches long	20	24	30	36	40
Tin per doz	$5 00	6 50	7 25	7 75	10 25
Brass, "	$18.00	20.00	....	....	....

HAND LAUNCH WHISTLES

Diameter Inches	Height Inches	Polished Brass Each	Nickel Plated
4	15	$6.00	$8.00
5	17	18.00	24.00

NOTE.— 5 inch whistle has whistle valve on top of cylinder.

Complete Assortment of these goods in our Marine Catalog. If interested, send for it.

TRIP GONGS

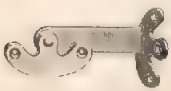
POLISHED BELL METAL

These trip gongs pull from the center and the mechanism is all concealed under the bell.

Diam., in..	3	4	5	6	7	8
Per doz.	$10.00	13.50	17.50	24.00	34.00	46.00
Diam. in....	10	12	14	16	18	
Per doz....	$84 00	150 00	212.00	280.00	310.00	

BELL CRANKS

Side or Flat



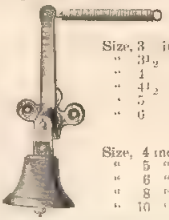
End or Upright

Size	Length of Crank, inches	Side or Flat each	End or Upright each
No 1	3	$0.40	$0 70
No. 2	3½	.50	.80
No. 3	4½	.60	.75

JINGLE BELLS

POLISHED BRASS BELLS, ROLLED BRASS CARRIAGES

The clappers are suspended from a heavy brass loop cast into the bell.



Jingle Bells

Size, 3	inches	each,	$1.35
" 3½	"	"	1 60
" 4	"	"	2 00
" 4½	"	"	2.25
" 5	"	"	2 50
" 6	"	"	3 50

Bell Springs

Size, 4	inches	per doz.,	$1.00
" 5	"	"	1.25
" 6	"	"	2.00
" 8	"	"	4.00
" 10	"	"	5 00

BRASS BELL PULLS

Size	Dimen. inch pull	Each	Size	Dimen. inch pull	Each
No. 0	2	$0.75	No. 2	3½	$1.00
No. 1	2½	.90	No. 3	3¾	1.25

POST BELL PULLS

For use on bridge or pilot house. Bronze finish, highly polished, length 17 inches, each $5.00.

IMPROVED STEEL AMALGAM BELLS

ADAPTED FOR FACTORIES, CONTRACTORS, SCHOOLS, ETC.

Style No. 1

Style No. 1

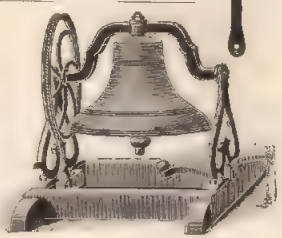
Steel amalgam Bell, iron frame supporting yoke from which bell is hung. Arm for attaching bell rope. All bells handsomely gilded.

Style No.	Diameter inches	Approximate Weight, lbs	Each
1	15	40	$4 00
1	17	50	5 00
1	19	75	7.50
1	21	100	10 00

Style No. 2

Style No.	Diameter Inches	Approximate Weight of Bell only, lbs.	Approximate Weight Complete, lbs.	Each
2	18½	65	172	$16 00
2	21	80	186	20.00
2	24	134	240	25.00
2	28	247	398	40 00
2	30	325	487	50 00
2	33	414	689	75.00

Tolling attachments for Nos. 6 and 7, $4.00 extra list; No. 8, $5.00 extra list.



Style No. 2

Hammers.

Bricklayers', Solid Cast Steel, Polished.

	Per Dozen
No. 461—Weight Without Handle, 1 Lb. 8 Oz.,	$14.00

Weight 26 Lbs. Per Dozen
Quarter Dozen in a Box.

Shoemakers', Solid Cast Steel, Polished.

	Per Dozen
No. 1—Weight Without Handle, 13 Oz.,	$3.50
No. 2—Weight Without Handle, 15 Oz.,	5.75

Weight, No 1, 14 Lbs ; No. 2, 16 Lbs. Per Dozen
Half Dozen in a Box

Prospecting, Solid Cast Steel, Polished.

	Per Dozen
No. 1—Weight Without Handle, 1 Lb., 6 Oz.,	$14.00
No. 2—Weight Without Handle, 1 Lb., 12 Oz.,	15.00

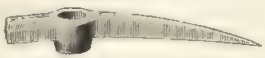
Weight, No 1, 21 Lbs., No. 2, 26 Lbs. Per Dozen.

Prospecting Picks, Solid Cast Steel, Adze Eye, Polished, With 12 in. Handle.

	Per Dozen
No. 1—Weight Without Handle, 1 Lb.,	$15.00
No. 2—Weight Without Handle, 1 Lb., 8 Oz.,	16 00

Weight, No. 1, 16 Lbs., No. 2, 22 Lbs. Per Dozen

Quarter Dozen in a Box



Prospecting Picks (Not Handled), Best Quality Cast Steel, Adze Eye, Natural Finish.

	Per Dozen
No. 6—Weight, 2 Lbs. Each,	$17 00
No. 7—Weight, 2½ Lbs. Each,	18 00
No. 8—Weight, 3 Lbs. Each,	19.00

Two Dozen in a Case.

Stone Cutters' Tools.

Mallet Head Points.

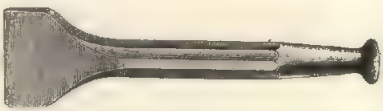
	Per Dozen
Mallet Head Points, Solid Cast Steel, ⅞ in., for Sand Stone. Weight, 10 Lbs. Per Dozen.	$2 75

Mallet Head Lifters.

	Per Dozen
Mallet Head Lifters, Solid Cast Steel, ⅞ in., for Sand Stone. Weight, 10 Lbs. Per Dozen.	$2 75

Pitching Tools.

	Per Dozen
Pitching Tools, Solid Cast Steel, 1 in Steel, 2½ in Bit, for Sand Stone. Weight, 30 Lbs Per Dozen.	$7 50



Mallet Head Chisels.

	Per Dozen
Mallet Head Chisels, Plain, Solid Cast Steel, ½ in., ½ in Bit, Weight, 3 Lbs Per Dozen.	$1 75
Mallet Head Chisels, Plain, Solid Cast Steel, ⅝ in., ½ in Bit, Weight, 6 Lbs. Per Dozen.	2 00
Mallet Head Chisels, Plain, Solid Cast Steel ¾ in., 1 in. Bit, Weight, 9 Lbs Per Dozen.	2 25
Mallet Head Chisels, Plain, Solid Cast Steel, ⅞ in., 1 to 1½ in Bit, Weight, 12 Lbs. Per Dozen,	3 00

Mallet Head Chisels, With Teeth.

	Per Dozen
Mallet Head Chisels, With Teeth Solid Cast Steel, ½ in., ½ in Bit, Weight, 3 Lbs Per Dozen.	$1 75
Mallet Head Chisels With Teeth, Solid Cast Steel, ⅝ in., ½ in Bit, Weight, 6 Lbs Per Dozen.	2 00
Mallet Head Chisels, With Teeth, Solid Cast Steel ¾ in., 1 in Bit, Weight, 9 Lbs Per Dozen.	2 25
Mallet Head Chisels, With Teeth, Solid Cast Steel, ⅞ in., 1 to 1½ in Bit Weight, 12 Lbs. Per Dozen,	3 00

"Zenith" Electric Bell Sets.

	Per Dozen
Zenith—2½ inch, Nickel Plated Bell, Oxidized Copper Case. Mounted on Board, complete with dry battery, push button and wire attached ready for use, One in a Box, 6 in a Case. Weight Per Case 20 Lbs.	$36.00
	Each
Batteries—Extra Batteries, Each, ... One in a Pasteboard Box. Weight Each, 1½ Lbs.	$0.50

Please Note there is No Guarantee on these Bells

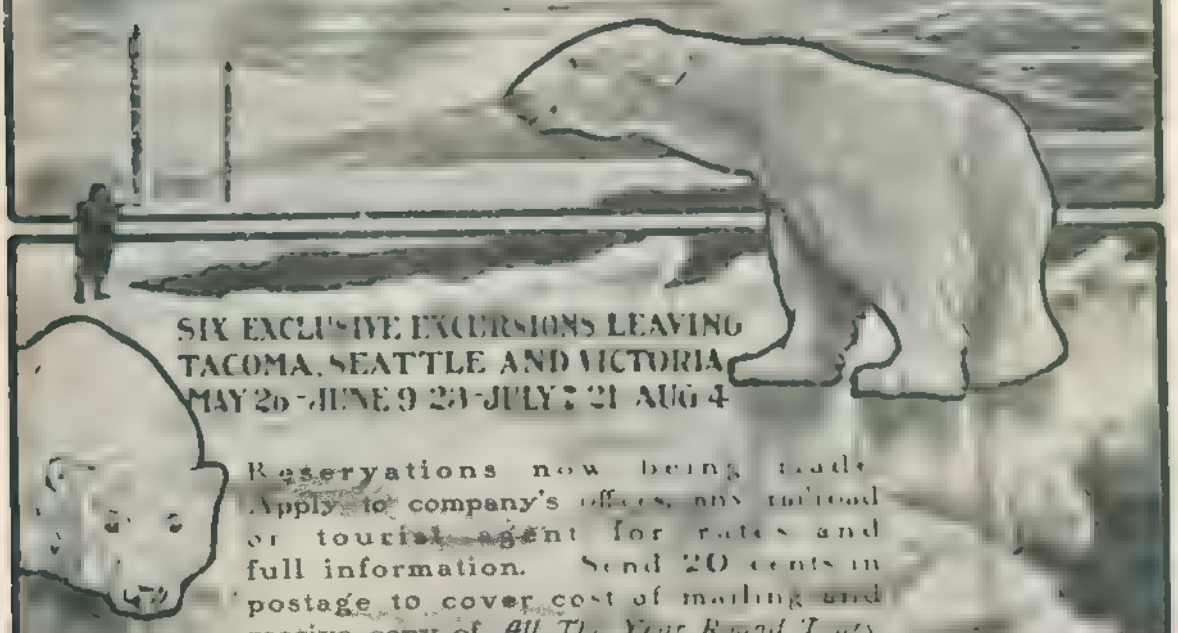
THE TOTEM POLE ROUTE

Summer days and Winter Scenes during a trip to Alaska on the palatial Steamship

SPOKANE

PACIFIC COAST STEAMSHIP CO.

Land of the Midnight sun majestic snow capped [illegible] panoramic views of sunlit fjords, the mountains of prehistoric ages, vast fields of ice, grander than the greatest of Alpine scenes, chain of a thousand islands while visiting the land of the Aurora Borealis. Awe-inspiring, Exhilarating, Educational The [illegible] sea sickness unknown



SIX EXCLUSIVE EXCURSIONS LEAVING TACOMA, SEATTLE AND VICTORIA MAY 26 - JUNE 9 23 - JULY 7 21 AUG 4

Reservations now being made. Apply to company's offices, any railroad or tourist agent for rates and full information. Send 20 cents in postage to cover cost of mailing and receive copy of *All The Year Round Trips* beautifully illustrated, also a handsome colored *Alaska Art Calendar*. Address

C. D. DUNANN General Passenger Agent
10 Market St San Francisco.

SILENCE COMFORT

Peerless

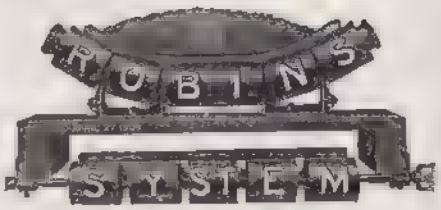
All That The Name Implies

Catalogue Z will be sent on request

THE PEERLESS MOTOR CAR CO.

2483 EAST 93RD ST., CLEVELAND, O. MEMBER A.L.A.M.

Robins Conveying Machinery



ROBINS Machinery now handles all the coal used for generating the power for the three great tunnel systems of New York City.

We have interesting illustrated bulletins showing many applications of Robins Conveying Machinery and will gladly mail you copies.

Robins Conveying Belt Company

General Offices, 13 Park Row, New York

Chicago Office.....Old Colony Building
Salt Lake City Office.....Walker Bank Building
San Francisco, The Griffin Company.....Alaska Commercial Building
Spokane, Washington.....The United Iron Works
Toronto, Ontario.....Canada Paint & Rubber, Limited
New Glasgow, Nova Scotia.....Eastern Steel Co., Ltd

NEW YORK CENTRAL LINES

Rutland Railroad

The Direct Route

NEW YORK and BOSTON to MONTREAL, OTTAWA, QUEBEC and to GREEN MOUNTAIN RESORTS

PULLMAN CARS

New York and Montreal

New York and Ottawa

New York and Burlington

Boston and St. Hyacinthe

Boston and Burlington

also

New York and Boston and Green Mountain Resorts

From New York in connection with the "New York Central"
From Boston in connection with the "Boston & Maine"

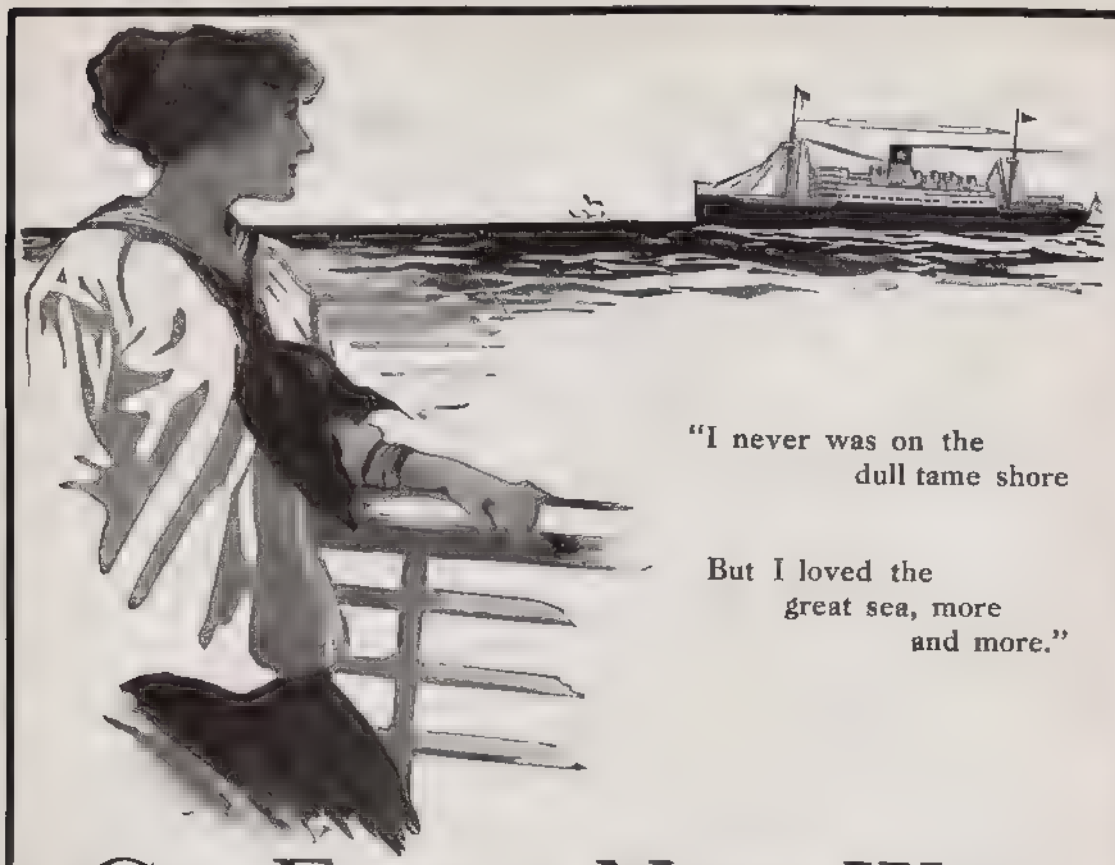
District Passenger Agencies

NEW YORK, 355 Broadway; BOSTON, 298 Washington St., WORCESTER, MASS., 22 Washington Square; MONTREAL, 141 St. James St.; BURLINGTON, VT., 137 St. Paul St.

The Rutland Railroad publishes a handsomely illustrated summer book, "Across the Islands and Beyond," which will be sent by the General Passenger Agent on receipt of 10 cents in postage.

GEORGE T. JARVIS,
General Manager, Rutland, Vt.

C. A. NIMMO,
General Passenger Agent, Rutland, Vt.



"I never was on the
dull tame shore

But I loved the
great sea, more
and more."

Go East a New Way

SUNSET LIMITED

Semi-weekly between

San Francisco—Los Angeles—New Orleans

New steel Pullman equipment

Connecting at New Orleans with elegantly furnished 10,600-ton

Southern Pacific Steamships

Between

New Orleans and New York

Interesting books yours for the asking

Flood Building Palace Hotel Market St. Ferry Depot
SAN FRANCISCO

Broadway and 13th Street
OAKLAND

600 South Spring St., Arcade Depot
LOS ANGELES

227 St. Charles Street
NEW ORLEANS

366 Broadway
NEW YORK

THEW SHOVELS FOR DITCH CONSTRUCTION

Hydraulic mining methods for placer work frequently necessitate the construction of ditches under conditions involving excessive costs for labor and teams. Ordinary excavating machinery cannot be employed, not being adapted for light work, and further, being precluded by the expense and difficulty of transportation.

THE SPECIAL No. 0 THEW SHOVEL

DITCH CONSTRUCTION IN ALASKA

shown here is designed to meet these requirements. It weighs only twelve tons, and when dismantled the heaviest package need not exceed two tons in weight. It has a dipper of five-eighths yard capacity, swings through a complete circle and may be mounted either upon traction or car wheels. The boiler permits the use of coal, wood or oil as fuel.

Under the conditions shown in the cut, the shovel averaged over 150 cubic yards per shift. In surface excavation this can be doubled or tripled under favorable conditions.

SHOVELS FOR ALL CLASSES OF MINING OPERATIONS

EQUIPPED FOR

STEAM, COMPRESSED AIR OR ELECTRICITY

WRITE FOR INFORMATION

THE THEW AUTOMATIC SHOVEL COMPANY

LORAIN, OHIO

HAVE you seen the house-boats at the Thousand Islands? If you haven't, go up there and rent one for two weeks, and at the end of that time you will acknowledge that you never had as much real fun in your life in the same length of time.

The Thousand Island Steamboat Company or the hotel people can tell you where you can rent a house-boat, and the New York Central's Information Bureaus will tell you how to get there.

A copy of "The Thousand Islands," which is No. 10 of the New York Central's "Four-Track Series" of booklets, will be mailed free on receipt of a two cent stamp by George H. Daniels, General Passenger Agent, Grand Central Station, New York.

The First Punishment

A REAL ROLLER

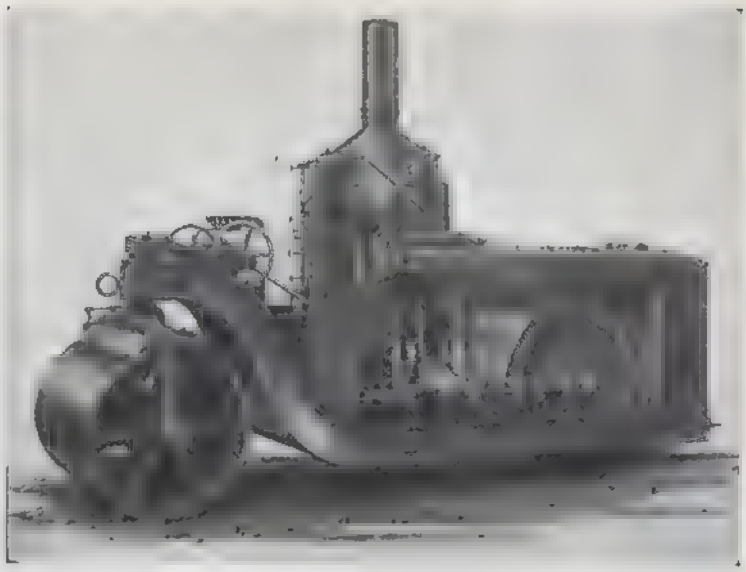
For towns and cities that want serviceable machines

The Monarch Tandem Roller

is better built, develops more power, is more easily operated and controlled, and will last longer than any other roller of this type.

This roller can be used in rolling park and cemetery drives, repairing brick and macadam streets, and in laying asphalt.

No town or city should be without a tandem roller. THE MONARCH is the roller.



The Monarch Tandem Roller.

HANDSOME CATALOGUE ON REQUEST

The Good Roads Machinery Co., Inc., Kennett Sq., Pa.

Road Oiling

AND

Street Sprinkling

¶ Let us figure with you before you make your contracts this year. There's a saving of money in it for your community.

¶ We have the experience, the apparatus and the determination to handle this work for you in a way which will enable us to hold your business year after year. Why not drop us a line to-day and let us know what you have in mind? Our suggestions will cost you nothing and may open your eyes to some possibilities you had not thought of.

American Car Sprinkler Co.

WORCESTER, MASS.

Specialists on Road Oiling and Street Sprinkling

WEST INDIES CRUISES

An even keel, warm summer skies, the air soft and fragrant with the verdure and blossoms of tropical islands; flying fish and sporting dolphins; palm-fringed shores; and, tucked away behind moss-covered forts, strange cities and strange people. Pages of pirates and buccaneers from your best loved storybook; a moving, living picture of adventure and romance, with imagination riding free.

No holiday to compare with these cruises; no trips more carefully planned or more adequately conducted than the tours of the American Express Travel Department this winter to the American Tropics.

Luxurious passenger steamers of the Great White Fleet will be your hotel. Every comfort and convenience on sea, every facility to see and enjoy the most interesting places ashore; all under the personal direction of men most experienced in West India travel. Our record of past service and the international reputation of the American Express Travel Department is your guarantee.

Cruises sailing in January and February. Duration, twenty-four days. Itinerary:—New York; Havana and Santiago, Cuba; Port Antonio and Kingston, Jamaica; Panama, Canal Zone; Port Limon and San Jose, Costa Rica; Nassau; New York.

Bookings should be made at once. Write for illustrated, descriptive booklet of these cruises, diagram of steamers, rates, etc.

AMERICAN EXPRESS
TRAVEL DEPARTMENT
65 Broadway **New York**

Budd-Michelin

Dual Wheels are the peacemakers of motor transportation

WITH Budd-Michelin Dual Wheels between the truck and the road there are fewer complaints from both.

Nothing calms a ruffled road like these dual cushions of air. Nothing keeps a truck in better humor. They cushion the truck from the shocks of rough roads. They mean fewer repair bills, speed with safety, and a longer life for the truck.

Budd-Michelin Dual Wheels mean regular-size pneumatics but *over-size* mileage—15,000 to 20,000 miles from every set of tires! That's the average on over 40,000 heavy buses.

Now truck owners are equipping their heavy trucks from two tons up, with Budd-Michelin Duals. They're making longer hauls in shorter time, more deliveries, using fewer trucks, and paying lower maintenance costs.

Budd-Michelin Dual Wheels have made the heavy truck a more economical means of transportation. They have increased its usefulness and brought it a greater measure of public approval.

They can be had on any make of truck, and any truck can be converted. Ask any dealer—or write us.

BUDD
WHEEL COMPANY
Detroit

The Budd-Michelin equipment—two Budd-Michelin single wheels in front, two Budd-Michelin Dual Wheels in the rear (pairs of single wheels acting together as units.) All wheels completely interchangeable either as units or as halves of Duals. One spare.

THE JACOB RANCHO

IN KINGS COUNTY, CALIFORNIA

Offers the greatest opportunities for alfalfa raising and dairying of any section in the west. Dairymen in this section are rolling up fat bank accounts every month. Alfalfa nets from $75 to $125 per acre a year.

Lands are also unexcelled for vineyards, orchards and sugar beets. In fact, every California product except citrus fruits.

Unlimited free water from the mighty Kings River. Artesian wells can be had anywhere on land. Schools, churches, city privileges at hand. Midway between Los Angeles and San Francisco—the two largest markets on the Coast.

Write at once for our four illustrated booklets "Alfalfa and Dairying," "Sugar Beets," "Orchards and Vineyards" and "The Jacob Rancho." If you are considering locating in California you will find it to your greatest advantage to read these booklets carefully. They are absolutely free to homeseekers.

California City Land Co.

435 South Spring Street, Los Angeles, Cal.

DELANO

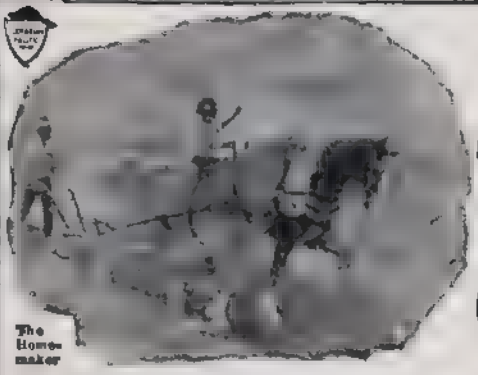
THE S. F. B. MORSE DEVELOPMENT CO. owns the cream of that portion of the San Joaquin Valley known as the Delano Bench. This Company made examination and tests in the field throughout the State for twelve months before purchasing any land, and selected Delano because: The soil is deep, rich, sandy loam and decomposed granite, an ideal soil for oranges, grapes, alfalfa and garden truck, easily worked and very productive.

We analyzed the soil at every foot to a depth of six feet. We bored over one thousand holes to test the depth of the soil and the nature of the sub-stratas, and will guarantee all our land to be free from alkali, marl or hardpan. (We will furnish those interested with the implements to make their own tests.) All of our land is as level as a table top. The climate is very healthful and damaging frosts are unknown. During the recent frosts which injured and in some cases ruined crops and orchards throughout the State, the Orange and Nursery Stock at Delano was absolutely untouched. The climate is such that products are in the market a month earlier than almost any portion of California, and we get prices correspondingly higher. The town of Delano is a modern flourishing town on the main line of the Southern Pacific Railroad.

OUR METHOD OF IMPROVEMENT—The water supply is entirely pumped, the underground stratas of water being extremely large. We install pumping plants, develop wells, guarantee the water supply, and turn all over with the land. **Price $125.00 per acre on very easy terms.**

Office at DELANO, CALIF. — **S. F. B. MORSE DEVELOPMENT COMPANY 351 South Main St., Los Angeles** — **Lands at DELANO, CALIF.**

REFERENCES: First National Bank, Los Angeles; First National Bank, Delano, Calif.; Los Angeles Realty Board, Crocker National Bank, San Francisco, Dun & Mercantile Agency, Los Angeles Chamber of Commerce


The Home-maker

Get Your Canadian Home *from the* Canadian Pacific

W E will make you a long-time loan—you will have 20 years to pay for the land and repay the loan—you can move on the land at once—and your Canadian farm will **make you independent.**

This offer is directed only to farmers or to men who will actually occupy or improve the land.

Why not go where you can own 10 acres for every acre you now own or farm; where **every** acre will produce **double** what a worn-out acre produces anywhere?

Not on the face of Mother Earth can you find better land than this rich virgin Canadian soil. The enormous crop yield per acre **proves** this every season.

We Give You 20 Years to Pay

We will sell you rich Canadian land for from $11 to $30 per acre. You need pay only **one-twentieth down. Think of it**—only **one-twentieth** down, and then the balance in 19 equal annual payments. Long before your final payment comes due your farm will have paid for itself over and over again. Many good farmers in Western Canada have paid for their farms with one crop.

We Lend You $2,000 for Farm Improvements

This offer of a $2,000 loan is for farm development only, with no other security than the land itself, and guarantees our confidence in the fertility of the soil and in your ability to make it produce prosperity for you and traffic for our lines. The $2,000 loan will help you in erecting your buildings, fencing, sinking well and breaking, and you are given twenty years in which to fully repay this loan. While enjoying the use of this money you pay only the banking interest of six per cent.

Advance of Live Stock on Loan Basis

The Company, in case of approved land purchaser who is in a position and has the knowledge to take care of his stock, will advance cattle, sheep and hogs up to the value of $1,000 on a loan basis, so as to enable the settler to get started from the first on the right basis of mixed farming.

Farms Made Ready By Experts If Desired If you want a place already established, select one which our Department of Agricultural Experts has developed. On our Ready Made-Farm, house and other buildings are up, well is dug, farm fenced, fields cultivated and in crop, all waiting for those who want an immediate start and quick results—all planned and done by men who know—our own agricultural experts. Take twenty years to pay if you want to.

We give *free* service—expert advice—the valuable assistance of great demonstration farms, in charge of agricultural specialists employed by the Canadian Pacific for its own farms! This service is *yours—free.*

This Great Offer Is Based on Good Land

The Canadian Pacific offers you the finest land on earth for grain growing, cattle, hog, sheep and horse raising, dairying, poultry, vegetables and general mixed farming—irrigated lands for intensive farming where irrigation is necessary, and rich prairie land and grazing. **Remember, these lands are located on or near established lines of railway, near established towns.**

Your new home and your fortune are ready for you in the famous, fertile Canadian West with its splendid soil, good climate, churches, public schools, good markets, good hotels, unexcelled transportation—**and 20 years in which to pay for your farm and repay the improvement loan.** Here is the Last Great West—where **your** opportunity lies. Don't delay. Mail the coupon below at once. The best land will be taken first—so time is precious for you. **Write today.**

H. E. THORNTON, Colonization Agent
Canadian Pacific Railway Colonization Department
112 West Adams St., Chicago, Ill.

FOR SALE—Town lots in all growing towns—Ask for information concerning Industrial and Business openings in all towns.

☐ Book on Manitoba ☐ Book on Saskatchewan ☐ Book on Alberta
(Make a cross in the square opposite the book wanted)

H. E. THORNTON, Colonization Agent
Canadian Pacific Railway Colonization Department,
112 West Adams St., Chicago, Ill.
Please send me the books indicated above.

Name .....

Address .....

Town ..... State .....

$33
PACIFIC COAST

California, Oregon, and Washington, splendid in their climatic and health-building conditions, offer the opportunity of a lifetime for building up a new home. The division of great ranches affords a fine opportunity to get a small farm that will assure you a competence. Profitable crops of fruit and grain can be raised with a minimum of labor; business is good and capital finds profitable investment.

One-way Colonist tickets are on sale daily, Sept. 15th to Oct. 31st, at the rate of $33.00 from Chicago to San Francisco, Los Angeles, Portland, Tacoma, Seattle, Bellingham, Vancouver, and Victoria, with correspondingly low rates from all points, good on daily and

Personally Conducted Tours

In Pullman tourist sleeping cars. Double berth, Chicago to San Francisco, Los Angeles or Portland, only $7.00. S. A. Hutchinson, Manager, 212 Clark Street, Chicago.

$62.50 California

AND RETURN

Strictly first-class round-trip tickets are on sale from all points, Oct. 17th to 21st; rate from Chicago to San Francisco and Los Angeles and return, $62.50. All Agents sell tickets via

Chicago, Union Pacific and North-Western Line

If you want to know how to reach the Pacific Coast, how much it costs to go, how long it takes, and what you can do when you get there; if you want to know about the resources, climate, and opportunities of the West, send 4 cents in stamps for booklets, maps, etc.

W. B. KNISKERN, PASSENGER TRAFFIC MANAGER
CHICAGO & NORTH-WESTERN RY., CHICAGO, ILL.

N.-W. 594

Vicksburg Cleans Its Streets at Small Expense With a FEDERAL

Municipal department heads recognize the value of unfailing efficiency from public service equipment. Exacting in their demands—watchful of municipal expenditures—the taxpayers of your town are perhaps more critical in their judgment of RESULTS than any other class of people.

Nowhere else are cost and performance data so carefully compared.

The city officials of Vicksburg, Miss., solved the question of economical street sanitation when they bought a 3½ ton Federal flushing job. These figures show what the outfit accomplished in 30 days on the city streets of Vicksburg:

Blocks flushed	**1,864**
Cost for gasoline and oil	**$59.75**
Cost for gasoline and oil per block	**$ .032**
Blocks flushed each day	**62**
Cost of gasoline and oil per day	**$1.99**

Our Traffic Department has cost data on Federal trucks in scores of other cities—in every type of municipal service. Let us tell you about these and submit data on your city's requirements.

"Federal Traffic News" sent monthly on request

FEDERAL MOTOR TRUCK COMPANY

21 Leavitt Street, DETROIT, MICH.

20 Acres of Alfalfa

Brings You Independence
IN

Fresno County

CALIFORNIA

Sworn Statement

Official weight of alfalfa—11 tons, 1505 pounds.
Name of grower—H. R. Kamm.
Age of field—3 years.
Kind of soil—sandy.
No hardpan.
Average depth above water—12 feet.
Kind of water supply—gasoline pumping plant.
Tools used—plow and harrow.
Estimated cost of preparing land and sowing—$10 an acre.
Tools used in cultivation—spring tooth harrow.
Date of cultivation—Feb. 1st.
Dates of watering, March 25, May 3 and 15; June 5 and 26; July 16 and 28; Aug. 19; Sept. 4 and 16.
Estimated amount of water 3 inches each irrigation.
Dates of cutting—April 24, June 1, July 5, Aug. 1, Aug. 30, Sept. 29.

What One Man Did

The prosperity that is in store for those who grow alfalfa in Fresno is strikingly demonstrated by the sworn statement of Mr. H. R. Kamm of Fresno County, who won the prize offered by the Fresno District Fair for the best yield of alfalfa from one acre of land.

While Mr. Kamm won the prize, he did not win easily. There was close competition from all parts of the County, proving conclusively that the sections adapted to successful alfalfa growing and dairying are widely distributed.

Land suitable for growing alfalfa can be bought at low prices and on easy terms. Dairy products always command the highest prices and the markets are always good; the demand is always greater than the supply

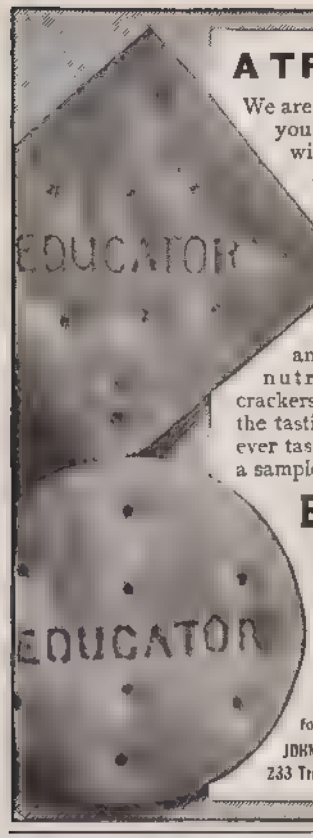
Twenty acres of alfalfa in connection with a dairy is assurance of a steady, dependable income year in and year out. Fresno County offers remarkable opportunities in this line.

Other Fresno County Products

But dairying is just one. Peaches, apricots, prunes, plums, lemons, oranges, vegetables grapes, etc.—all of the fruits produced in California can be produced in Fresno County with its great diversity of soil and range of climatic conditions.

Write for Information to Any of the Following:

Fresno County Chamber of Commerce,	Fresno, Cal.	Kingsburg Chamber of Commerce.	Kingsburg, Cal.
Sanger Chamber of Commerce.....	Sanger, Cal.	Fowler Chamber of Commerce.. .	Fowler, Cal.
Coalinga Chamber of Commerce ..	Coalinga, Cal.	Parlier Chamber of Commerce	Parlier, Cal.
Selma Chamber of Commerce.....	Selma, Cal.	Riverdale Chamber of Commerce	Riverdale, Cal.
Clovis Chamber of Commerce... .	Clovis, Cal.	Laton Chamber of Commerce	Laton, Cal.
Reedley Chamber of Commerce.	Reedley, Cal.	Kerman Chamber of Commerce. ..	Kerman, Cal.



A TRIAL BOX

We are anxious to acquaint you and your family with the distinctive flavor of Educator Crackers that is afforded only by our exclusive method of milling and baking. They are crisp, dainty and infinitely more nutritious than other crackers. You'll find them the tastiest crackers you've ever tasted. We will send a sample box of

EDUCATOR CRACKERS

for two two-cent stamps the day we receive your name and address—and if you don't mind mention the name of your grocer. All grocers *should* have Educator Crackers. If yours hasn't and won't get them for you, we'll supply direct.

JOHNSON EDUCATOR FOOD CO.
233 Tremont Street, Boston, Mass.

A Rest

is likely what you need most right now. Take a real rest — and relieve all stomach, kidney and liver troubles and indigestion — at

French Lick
West Baden Springs

Don't suffer from rheumatism or other ailments when you can drink the waters at these American greatest watering places unsurpassed by even the most famous Spas of Europe for curative qualities. Take a pleasant trip, meet delightful people, enjoy ideal, healthful recreation at one of these noted resorts

Located in Southern Indiana on the **Monon.** For information about rates, etc., address

FRANK J. REED, General Passenger Agent
Republic Building, Chicago

MONON ROUTE

Grand Trunk Railway System
"Most Direct Route to the Highlands of Ontario"

Orillia and Couchiching, Muskoka Lakes, Lake of Bays, Manganetewan River, Algonquin National Park, Temagami, Georgian Bay.

Plan to Spend Your Summer Holidays This Year at One of These Delightful Spots

Good hotel accomodations at moderate cost—The lover of outdoors will find here in abundance, all those things which make roughing it desirable. Select the locality that will afford you the greatest amount of enjoyment, send for free map folders, beautifully illustrated, fully describing these out of the ordinary recreation resorts. Address—

W. S. Cookson
917 Merchants Loan and Trust Co., Chicago

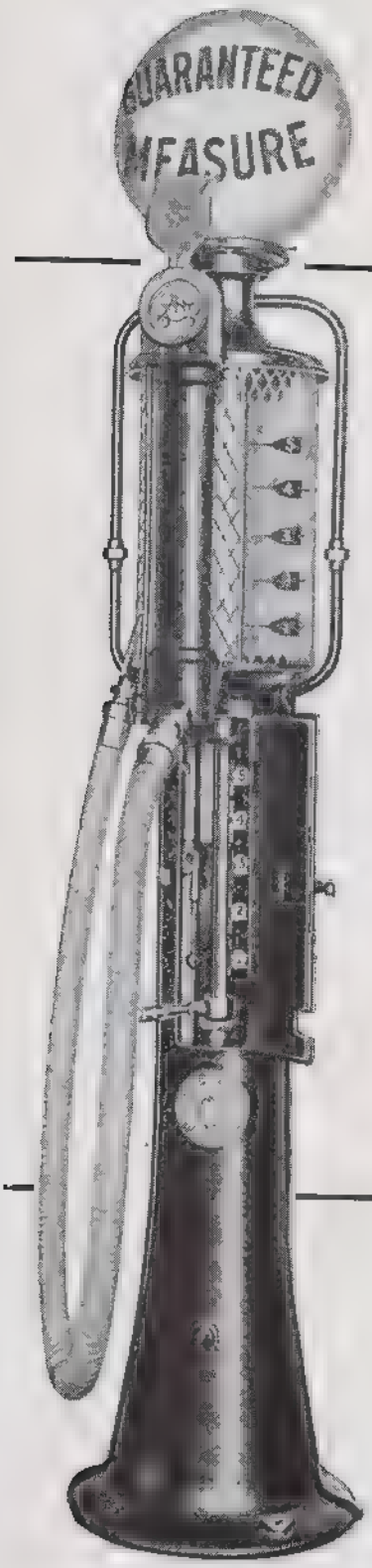
F. P. Dwyer
290 Broadway, New York City

E. H. Boynton
256 Washington St., Boston

W. Robinson
506 Park Bldg., Pittsburg

W. E. DAVIS
Pass. Traffic Manager, Montreal

G. T. BELL
Asst. Pass. Traffic Manager, Montreal



Each month shows a greater business for the Guarantee Visible Pump—

—first, because it has the much sought after *visible feature*—

—second, because it has the only automatically accurate measuring feature.

Both features the public appreciate and demand.

Guarantee Visible Pump

Some good territory open to live distributors
Write today for our attractive proposition

Address Dept. T. J.

GUARANTEE LIQUID MEASURE COMPANY

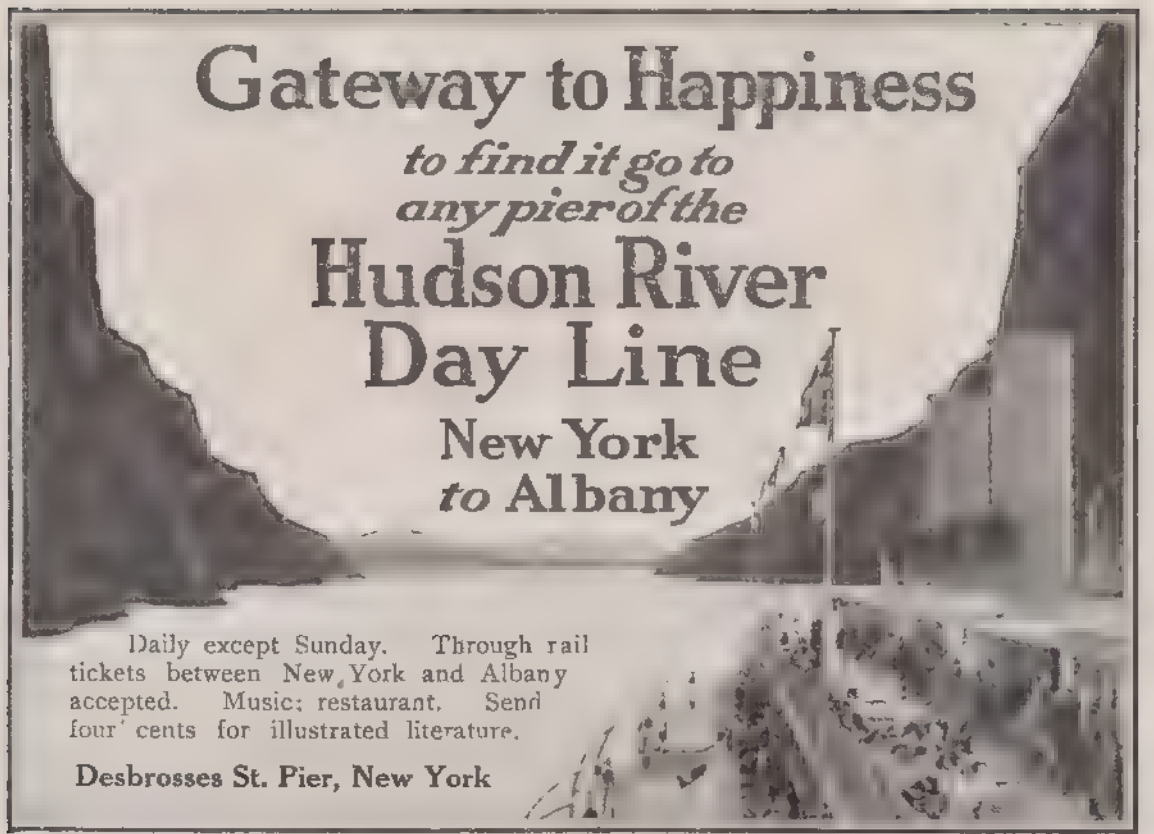
ROCHESTER, PENNA.

Gateway to Happiness

to find it go to any pier of the

Hudson River Day Line

New York *to* Albany



Daily except Sunday. Through rail tickets between New York and Albany accepted. Music; restaurant. Send four cents for illustrated literature.

Desbrosses St. Pier, New York

OPTIMISTIC PORTER.—Mighty good thing, boss, dat banana peel was dropped in a paffeckly clean place.

WHEN YOU GO TO CALIFORNIA—

You are going right into Wells Fargo country. Born in the West, Wells Fargo today possesses a particularly extensive Pacific Coast organization. We maintain our own Pavilions for tourists on grounds of both expositions. Our Travelers Checks pass like currency, but they are better than currency, because you need have no fear that your money will be stolen—you are the only person who can cash the checks made out in your name.

These are good reasons for carrying your money in

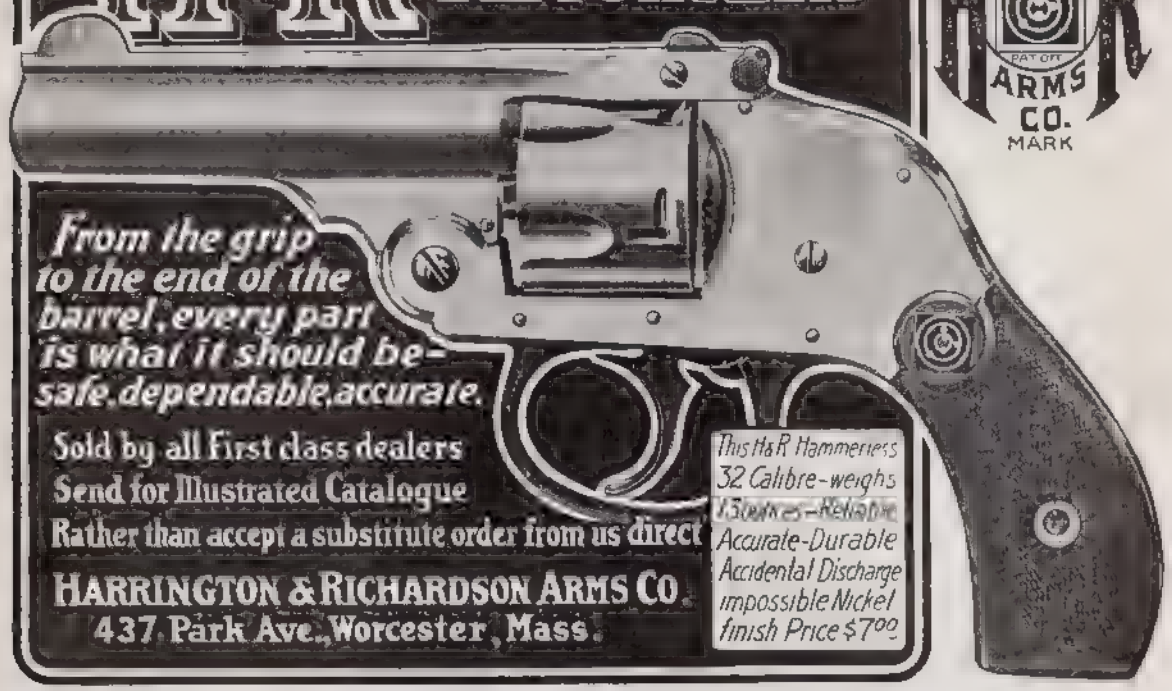
WELLS FARGO TRAVELERS CHECKS

They are for sale at our offices and at principal banks, railroad and steamship offices.

Guide-books to both Expositions on application to FINANCIAL DEPARTMENT 51 BROADWAY NEW YORK

H&R REVOLVERS

TRADE H&R ARMS CO. MARK



From the grip to the end of the barrel, every part is what it should be—safe, dependable, accurate.

Sold by all First class dealers
Send for Illustrated Catalogue
Rather than accept a substitute order from us direct

HARRINGTON & RICHARDSON ARMS CO.
437 Park Ave., Worcester, Mass.

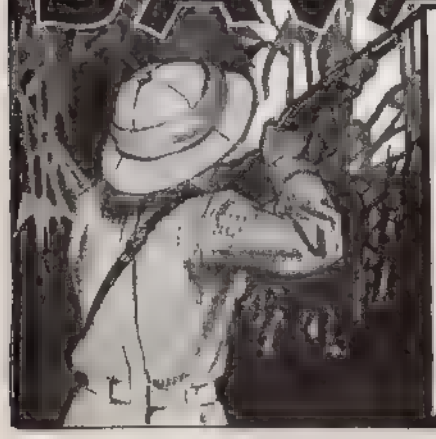
This H&R Hammerless 32 Calibre—weighs 13 ounces—Reliable Accurate—Durable Accidental Discharge impossible Nickel finish Price $7.00

The Wicked Savage (99 MODEL)

is the rifle for big and wicked game.

When danger is smashing close at hand, and not a moment to spare, this rifle never fails the man. It is quick and deadly sure. Its rapidity as a repeater is due to its smooth, free lever action, backed by a magazine of positive revolving action and direct feed. The chamber always has its cartridge indicated.

SAVAGE



No accident under the gun can betray a man when the Savage Safety is on. The rifle is locked from muzzle to butt, trigger, hammer, lever, and all. Cartridges are safely side by side, not bullet-nose to primer. No open communication at the rear, but solid steel to hold a defective shell. Such features are exclusive and perfect, backed by superb Savage quality in both material and workmanship. Its laurels have been won in every big game region of the North.

26-inch octagon barrel, six shots, 25-35, 30-30, 303, 32-40, 38-55 calibers—7½ to 8 lbs.—price $19.50. Steel and rubber shot gun butt plate. Round barrel $18.00. Also made as a takedown for $21.50, without loss of a single element of simplicity, durability or strength.

Ask to see it at your dealer's or write us for a catalogue.

SAVAGE ARMS CO., 2911 Savage Av., Utica, N.Y.

Selling Agents for

Diamond (American Block) Coal

Aberdeen, Rock Springs, Canyon City, Wellington and Anthracite Coals.

WOOD - HAY - GRAIN and FUEL OIL DEPARTMENTS

IF you are interested in knowing where to find a dependable, square-dealing firm that will supply your fuel and feed wants promptly and give you just what you want, when you want it and at a reasonable price, we would like to prove that we are the people to look to for such service.

We solicit both WHOLESALE and RETAIL orders

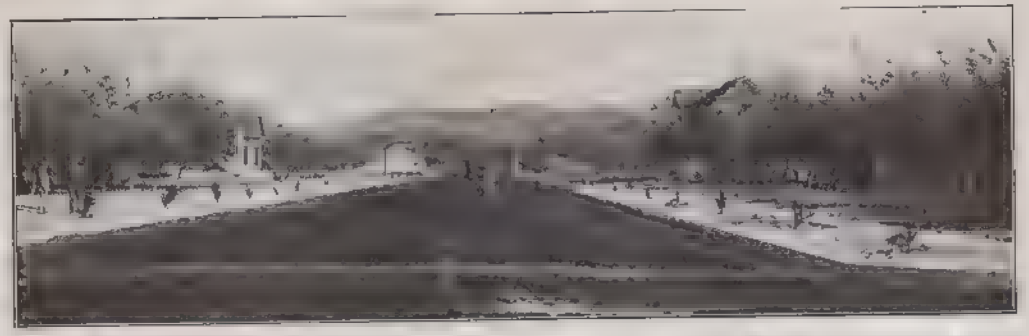
IF you contemplate ordering a carload of COAL or WOOD, or are using FUEL OIL or DISTILLATE communicate with us at once. SPECIAL MONEY-SAVING PRICES NOW.

Write, Phone or Wire

Los Angeles Coal & Supply Co.

Four Yards — Uptown Office SEVENTH AND OLIVE STS. — Both Phones

West Coast Magazine Press



Miramonte Park

(MOUNTAIN VIEW)

The Beautiful Residence Suburb of Los Angeles, Cal.

MIRAMONTE PARK almost touches the city limits of Los Angeles, and is reached by the best equipped electric road in the United States, the celebrated Huntington system.

Only 15 minutes ride on fast trolley from Los Angeles and her sky-scrapers to your beautiful home mid the trees of Miramonte Park.

Come to our office in the beautiful Hellman Building. and get full particulars regarding the most rapidly selling tract in the vicinity of this rapidly growing city.

Homes for Home-Seekers

The upper picture is from an actual photograph of one of the streets in Miramonte Park. A beautiful view of the mountains can be seen in the distance, the houses are clustered among magnificent trees, streets are wide, walks and curbs are extra wide and heavy. Building restrictions are adequate; electric lights and telephones are provided; no Africans or Mongolians.

The first portion of Miramonte Park sold out in 90 days, the second addition sold as quickly, the third addition is now on the market. 46 lots were sold the first 4 days.

The prices are remarkably low, $550 up. Terms 10% down and $15 a month or 10% discount for cash.

There is no better investment in Los Angeles and no home site so attractive.

RUFUS P. SPALDING, Owner

215 H. W. Hellman Building LOS ANGELES, CALIFORNIA

IN HOME OR HOTEL THE IDEAL BREAKFAST ROOM HAS THE MORNING SUN

HOTEL Van Nuys

IN THE HEART OF Los Angeles

is best known. One of the first of the big modern hostelries in the southern California metropolis. The management has persevered in the policy of scrupulous attention to the every want of its guests. The register contains names of important personages from countries on all sides of the globe. The location of the large six story fireproof building is noteworthy. Cars of the famous interurban, sight-seeing and pleasure resort electric systems pass the doors. It is but a few steps to the leading playhouses, while the business and retail shopping district is on all sides. It is truly the heart of the city and the social life of the big growing municipality pulses within the walls. The delicacies of the season are to be found at the tables in the delightful cafe of the hotel. To partake of a meal in the perfectly appointed breakfast room of the Van Nuys with the bright California sunshine streaming through the east windows is to know and enjoy the realization of an ideal.

Mt. Tamalpais

over "The Crookedest Railroad in the World"

is a trip no visitor to San Francisco can overlook, and one that no native Californian interested in scenic effects, or the geography of this part of the country, should fail to take.

The Trip to Mt. Tamalpais Consists of

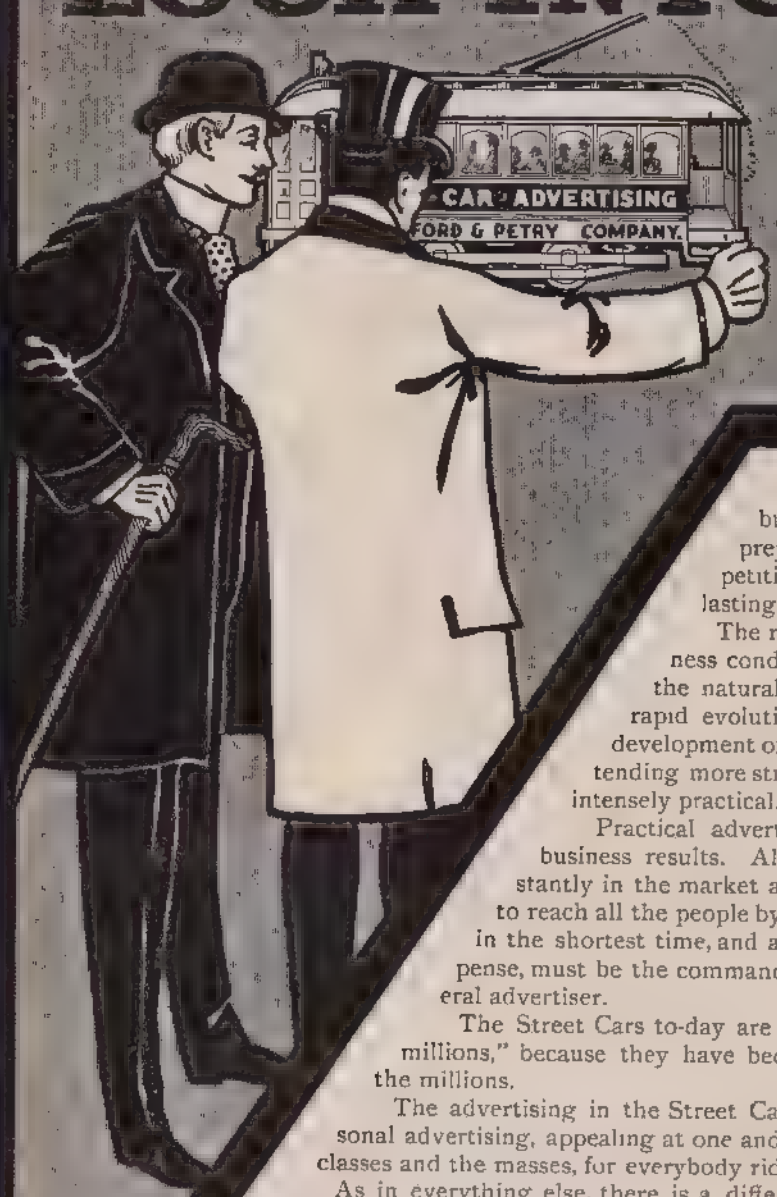
a boat ride along the wharves and shipping of San Francisco; a sail across the Golden Gate, the entrance to the Golden West; an electric car ride, third-rail system, along the shore of the Bay; a railroad ride through the big redwood trees of Mill Valley; the mountain railroad trip, not a cog road and no steep inclines; an unsurpassed panorama of mountains, valleys and ocean. You see it all from Mt. Tamalpais and want to go again.

For full information inquire at any railroad passenger office, or

Ticket Office

874 Market Street, San Francisco
Sausalito Ferry, San Francisco

LOOK INTO IT



The Medium of the Millions

There is no room in business for sentiment or prejudice. Incisive competition demands the everlasting vigilance.

The rapid evolution in business conditions and methods is the natural fruit of the still more rapid evolution in the intellectual development of the American people, tending more strongly every day to the intensely practical.

Practical advertising means practical business results. All the people are constantly in the market all the time; therefore, to reach all the people by the most direct route, in the shortest time, and at the minimum of expense, must be the commanding desire of the general advertiser.

The Street Cars to-day are the "mediums of the millions," because they have become the necessity of the millions.

The advertising in the Street Car becomes direct, personal advertising, appealing at one and the same time to the classes and the masses, for everybody rides on the Street Cars.

As in everything else, there is a difference in the practical value of Street Car Advertising Services—some are better than others—we come to you with the **best.**

Will you give us an interview and hear the facts?

The Mulford and Petry Company

STREET CAR ADVERTISING

Western Offices:
PURITAN BUILDING, DETROIT.

Eastern Offices:
ST. PAUL BUILDING, NEW YORK.

Cleveland Offices: 55 EUCLID AVE. Toronto Office: JANES BUILDING. Indianapolis Office: INDIANA TRUST BUILDING.

Have You Ever Felt the Charm of the Farm?

Have you ever gone out and clambered over a rail fence into a field of golden grain?

Have you ever *smelt* the dark soil, the sweet clover, the fragrant hay, the ripened fruit?

Have you ever gone into the orchard when the cider press was working and drunk from the great earthen jar?

No?—Then you haven't *lived.*

Now clamber over that rail fence of business or home cares *today*, long enough to *get and read* some of the Northern Pacific books listed here.

See the pictures of that Fertile Land of Fortune, Northwest—the Fruitful Valleys of the Northern Pacific States: Washington, Oregon, Idaho, Montana, North Dakota, Minnesota. Learn how men and women make money, enjoy the climate and grow healthy as well as wealthy raising fruit, vegetables, grains, poultry, bees, hogs and cows.

Then go back to the sixteenth floor of your skyscraper and be happy if you can.

But remember: orchardists, farmers, dairymen, are the happiest mortals living. They're not working as hard as you are. They produce. They're independent.

Get these Guides to the Higher Life. Check off those you want. CLIMB the FENCE TODAY. It costs you nothing.

- ☐ PROF. SHAW ON MINNESOTA
- ☐ PROF. SHAW ON NO. DAKOTA
- ☐ GOV. BURKE ON NO. DAKOTA
- ☐ WESTERN NORTH DAKOTA
- ☐ WHAT MONTANA HAS TO OFFER
- ☐ MONTANA, THE TREASURE STATE
- ☐ SHIELDS RIVER VALLEY, MONTANA
- ☐ EAST WASHINGTON and NORTH IDAHO: The Inland Empire.
- ☐ YAKIMA VALLEY, WASHINGTON
- ☐ WESTERN WASHINGTON
- ☐ WATERING THE WASTE PLACES
- ☐ KING OF THE LAND OF FORTUNE (The Apple)
- ☐ APPLE GROWING In The NORTHWEST
- ☐ DESCRIPTIVE MAP FOLDER
- ☐ LIST OF LAND DEALERS
- ☐ GOVERNMENT LAND PAMPHLET
- ☐ INDUSTRIAL OPPORTUNITIES

(Please ask only for those in which you are interested.)

L. J. BRICKER, General Immigration Agent,
Northern Pacific Railway, St. Paul, Minn.
Send me books as checked

A. D. CHARLTON, Ass't Gen'l Pass'r Agt., Portland.

A. M. CLELAND, Gen'l Pass'r Agt., St. Paul.

Have You Ever Felt the Charm of the Farm?

Have you ever gone out and clambered over a rail fence into a field of golden grain?

Have you ever *smelt* the dark soil, the sweet clover, the fragrant hay, the ripened fruit?

Have you ever gone into the orchard when the cider press was working and drunk from the great earthen jar?

No?—Then you haven't *lived.*

Now clamber over that rail fence of business or home cares *today*, long enough to *get and read* some of the Northern Pacific books listed here

See the pictures of that Fertile Land of Fortune, Northwest—the Fruitful Valleys of the Northern Pacific States: Washington, Oregon, Idaho, Montana, North Dakota, Minnesota. Learn how men and women make money, enjoy the climate and grow healthy as well as wealthy raising apples and other fruits, vegetables, alfa'fa (the new wonder food for man and beast), grains, poultry, bees, hogs, sheep and cows

Then go back to the sixteenth floor of your sky-scraper and be happy if you can.

But remember: orchardists, farmers, dairymen, are the happiest mortals living. They're not working—in the Northwest—as hard as you are. They produce. They're independent.

Get these Guides to the Higher Life. Check off those you want. CLIMB THE FENCE TODAY. It costs you nothing.

- ☐ PROF. SHAW ON MINNESOTA
- ☐ PROF. SHAW ON NO. DAKOTA
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- ☐ MONTANA, THE TREASURE STATE
- ☐ SHIELDS RIVER VALLEY, MONTANA
- ☐ BITTER ROOT VALLEY, MONTANA
- ☐ Eastern WASHINGTON and Northern IDAHO The Inland Empire
- ☐ YAKIMA VALLEY, WASHINGTON
- ☐ KITTITAS VALLEY, WASHINGTON
- ☐ SOUTHWESTERN WASHINGTON
- ☐ KING OF THE LAND OF FORTUNE (The Apple)
- ☐ APPLE GROWING in the NORTHWEST
- ☐ FROM OFFICE TO ORCHARD
- ☐ THROUGH the FERTILE NORTHWEST
- ☐ LIST OF LAND DEALERS
- ☐ GOVERNMENT LAND PAMPHLET
- ☐ INDUSTRIAL OPPORTUNITIES

(Please ask only for those in which you are interested; write name and address plainly.)

L. J. BRICKER, Gen. Immigration Agent, Northern Pacific Railway, St. Paul, Minn.
Send the books as listed.

A. D. CHARLTON, Ass't. Gen'l. Pass'r. Agt., Portland, Ore.
A. M. CLELAND, Gen'l. Pass'r. Agt., St. Paul, Minn.

In the

Vineyards, Orchards *and* Farms *of the* Northwest

ARE unequalled opportunities to make money in intensive farming, alfalfa, grain and fruit growing, vegetable raising, dairying, poultry, hog and cattle raising. Intensive irrigated farming and fruit growing afford lucrative and healthful employment outdoors in a glorious climate. The fruit lands of the Northwest grow prize-winning fruits and berries. The grain fields of the Northwest yield bountifully of the best grades of product. The Northern Pacific extends into or through Minnesota, Wisconsin, North Dakota, Montana, Idaho, Washington and Oregon. New, rich territory being opened up by recent extensions. The Homeseeker's Chance!

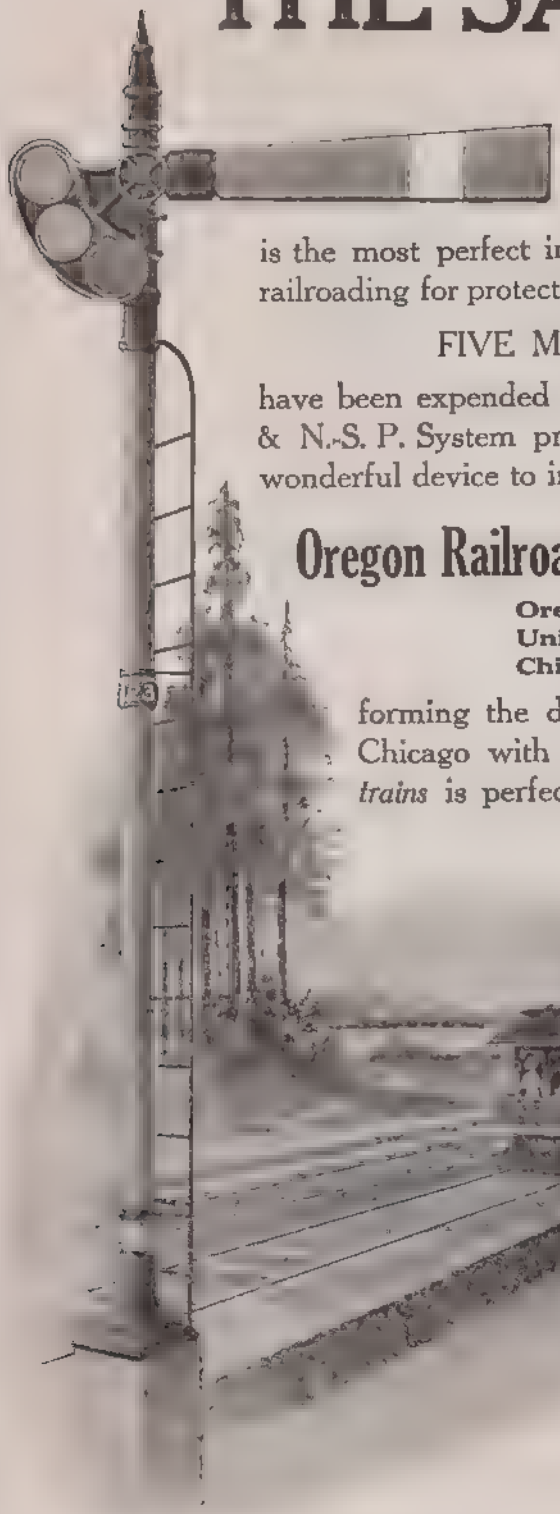
You ought to learn more about the Northwest and its possibilities. You ought to see it. Write today for information. Say what state interests you most

NORTHERN PACIFIC RAILWAY

The Scenic Highway Through the Land of Fortune

A. D. CHARLTON, Assistant General Passenger Agent, Portland, Oregon
A. M. CLELAND, General Passenger Agent, St. Paul, Minn.

THE SAFE LINE



The Automatic Block Signal

is the most perfect invention known to the science of railroading for protection against accidents. More than

FIVE MILLION DOLLARS

have been expended by the great U. P.-O. S. L.-O. R. & N.-S. P. System protecting its main lines with this wonderful device to insure safe traveling. The

Oregon Railroad & Navigation Company

Oregon Short Line
Union Pacific *and*
Chicago & Northwestern

forming the direct line between Portland and Chicago with *splendidly equipped through daily trains* is perfectly protected the entire distance.

WM. McMURRAY, Gen. Pass. Agent
PORTLAND, OREGON

V. C. SPECIAL HORSE SHOES

EXTRA SWAGED, FRONT

EXTRA SWAGED, FRONT

Size.	Average Number of Shoes in a Keg.
1 Front	143
2 "	106
3 "	86
4 "	74
5 "	65

EXTRA SWAGED, HIND

Size	Average Number of Shoes in a Keg.
1 Hind	164
2 "	136
3 "	110
4 "	84
5 "	74

No. 2 and larger, Base..... Per keg $...
" 1 Advance over Base Price "

EXTRA SWAGED, HIND

ROADSTER OR SNOW, FRONT

ROADSTER OR SNOW, FRONT

Size	Average Number of Shoes in a Keg
1 Front	145
2 "	114
3 "	97
4 "	82
5 "	68

ROADSTER OR SNOW, HIND

Size	Average Number of Shoes in a Keg.
1 Hind	164
2 "	134
3 "	114
4 "	91
5 "	[illegible]

No. 2 and larger, Base Per keg $
" 1 Advance over Base Price " "

ROADSTER OR SNOW, HIND

TOE WEIGHT

TOE WEIGHT, DROP FORGED

Size	Average Number of Shoes in a Keg.
1	125
2	110
3	86
4	76

SIDE WEIGHT

Size.	Average Number of Shoes in a Keg.
1 Track	210
2 "	182
3 "	154
1 Medium	176
2 "	144
3 "	128
4 "	120

10 pairs in a box.. Per pair

SIDE WEIGHT

VIRGINIA-CAROLINA HARDWARE CO., RICHMOND, VA.

CRANBERRY HORSE AND MULE SHOES

DROP FORGED AND FINISHED SHOES, TOED AND HEELED

CRANBERRY HORSE SHOES

Size	Average Number of Shoes in a Keg
1	28
2	114
3	96
4	78
5	61

CRANBERRY MULE SHOES

Size	Average Number of Shoes in a Keg
1	168
2	128
3	114
4	96
5	78

Cranberry Horse Shoes, No. 2 and larger ... Per keg $.....
" " " " 1 " " "
" Mule " " 1 " " "
" " " " 2 and larger " "

CRANBERRY, HORSE

CRANBERRY, MULE

V C SPECIAL MULE SHOES

PLAIN MULE SHOES

Size	Average Number of Shoes In a Keg.
1	156
2	139
3	110
4	82
5	66

	Per keg. Base.
No 2 and larger	
" 1 Advance over Base Price	

OX SHOES WITH STEEL TOE CALKS

No	1	2	3	4
Length, inches	4⅛	5	5⅛	6
Weight per set of 8 pairs, pounds	4¾	5⅝	7	8⅛
Number of Nail Holes in each	6	6	6	6
Per pound	---	---	---	---

Fifty Pounds in a Box. Half each Right and Left

HORSE SHOE NAILS

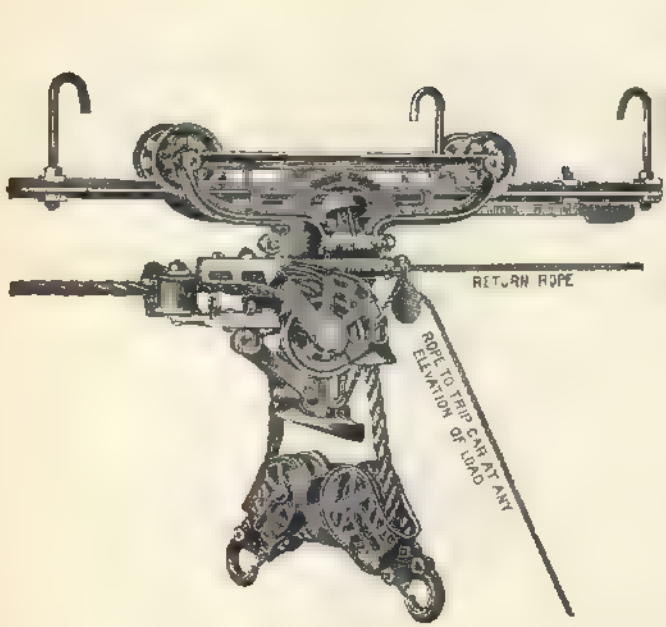
CITY HEADS

FROST HEADS

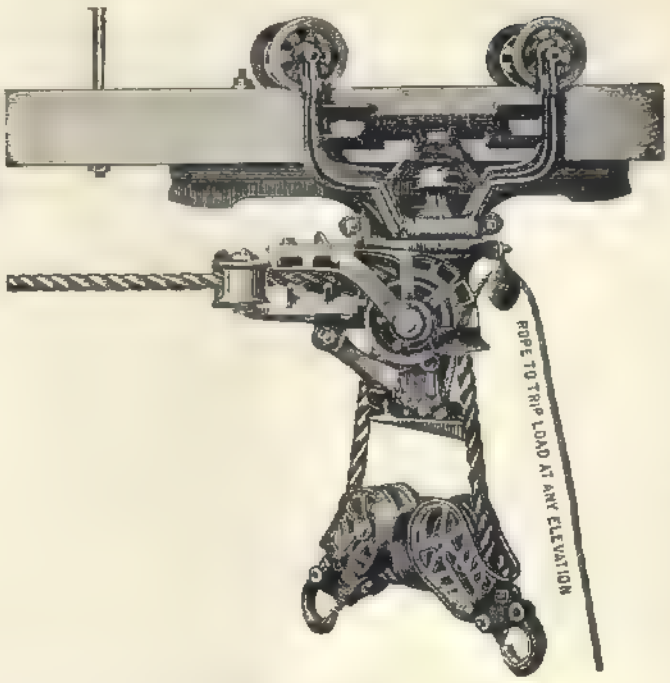
No	CITY HEADS 5	6	7	8	9	FROST HEADS 6	7	8
"Russell" Per pound	22	22	.22	.22	.22	.22	22	.22
Anchor " "	21	21	.21	.21	21	21	.21	.21
Clinton " "	.20	20	20	.20	20			
"V C." Polished " "	18	.18	18	.18	18			
Blue King " "	18	18	.18	.18	18			
Leader " "	16	16	.16	16	16	16	.16	.16

Twenty-five Pounds in a Box.

PEERLESS SLING CARRIERS



No. 1116. For Steel Track



No 1131. For Wood Track

Peerless Sure Grip Sling Unloaders are constructed entirely of malleable iron and sufficiently strong to stand the hard usage to which such carriers are subjected. Fitted with steel bearings. Used with $\frac{1}{2}$ inch, $\frac{7}{8}$ inch and 1 inch rope.

They operate automatically and trip by the sling pulleys striking a plate immediately under the carrier.

Arranged with a separate trip rope shown in cut, by the use of which the load may be carried into the mow at any elevation desired without drawing entirely to the top of the barn. Also arranged that the tension of the ropelock is regulated entirely by the weight of the load. The result is that it is impossible for the rope to slip through the lock

No.	Description	Wt., Lbs.	Each
1116	For Double Steel Track	49	
1131	" Wood "	49	

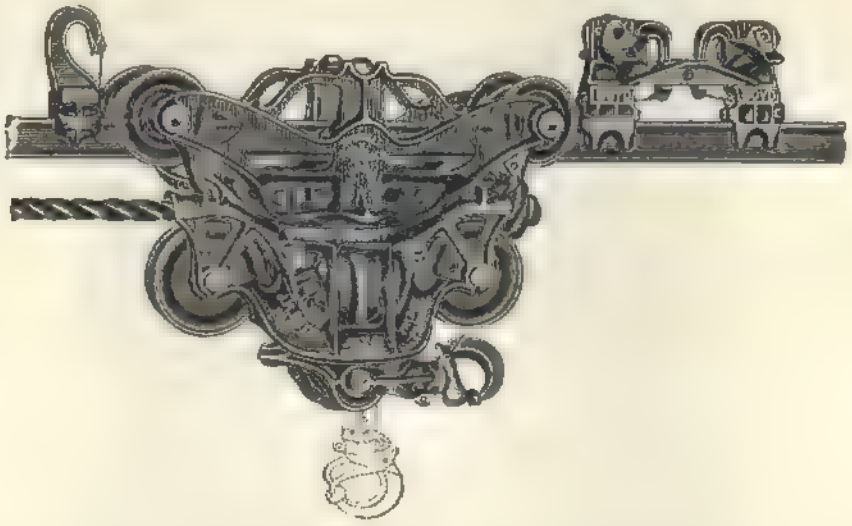
BOYD'S HAY CARRIERS

For Wood Track

The Boyd Wood Track Carrier has a positive Force Swivel Lock. The track wheels run on turned pins. The sheaves have roller bearings. Used on a 2x4 wood track. Has a folding fork pulley

No.	Description	Wt., Lbs.	Each
1	Wood Track	55	

BOYD'S HAY CARRIERS

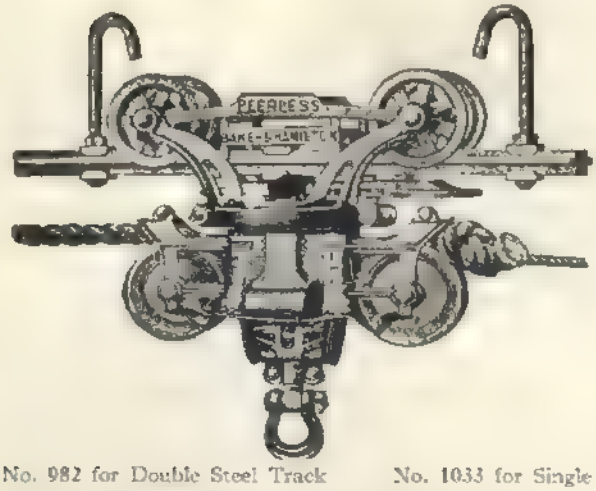


For Steel Track

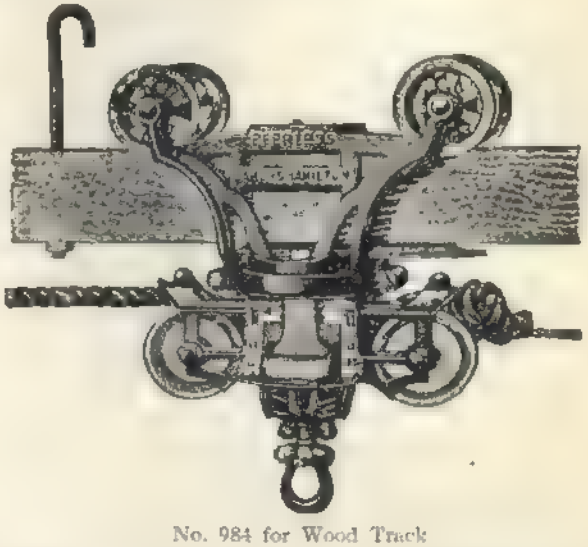
The Boyd Steel Track Carrier has an open throat 6 inches wide. The jointed fork pulley allows the fork hook to swing within six inches of the track. The locking device is simple. All pulleys have roller bearings finished in aluminum.

No.	Description	Wt., Lbs.	Each
10	Steel Track	35	

PEERLESS REVERSIBLE HAY CARRIERS



No. 982 for Double Steel Track



No. 1033 for Single Steel Track

No. 984 for Wood Track

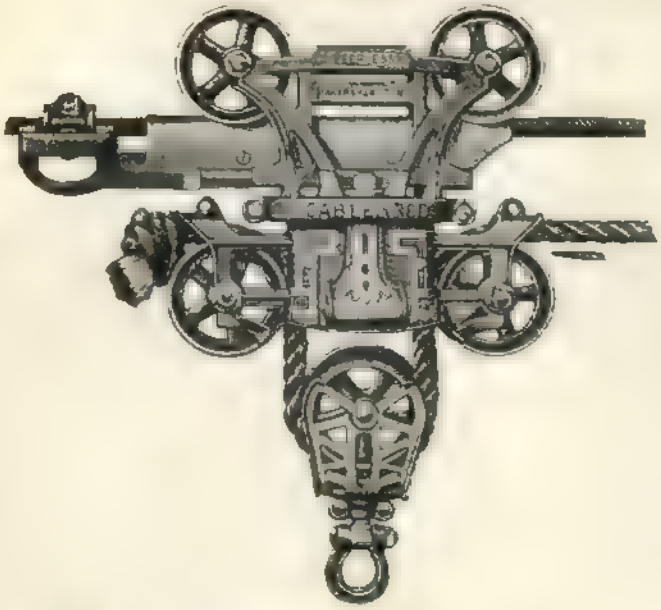
The Peerless Unloaders are made for double or single steel track. Fitted with wide open mouth to receive the fork pulley when approaching in any direction, and with a double lock which engages the fork pulley on each side. Either one of these locks will hold the load regardless of the other, in case one of them should become broken.

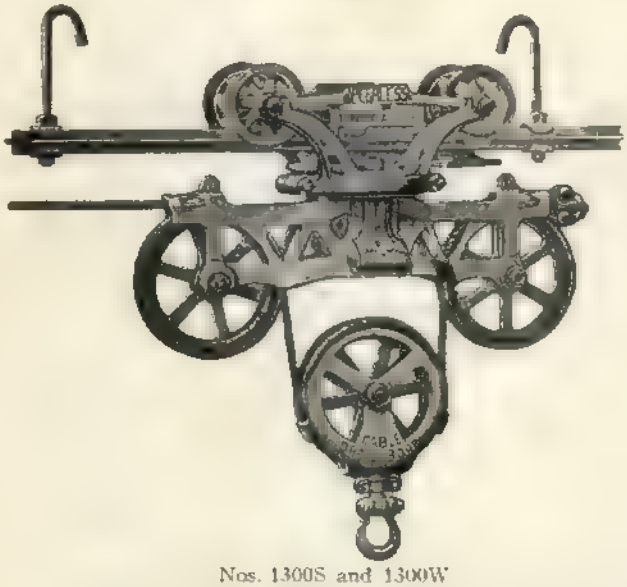
The carrier is both swivel or rope reversible combination. Single track carrier is constructed on lines similar to the double steel track carrier.

The carrier can be reversed either by drawing the rope through from end to end or by turning the swivel.

No.	Description	Wt., Lbs.	Each
982	Double Steel Track	26	
1033	Single Steel Track	23	
984	Wood Track	30	

PEERLESS REVERSIBLE HAY CARRIERS





Nos. 1300S and 1300W

For Double Steel or Wood Track

Fitted for ⅜-inch Cable Draft Rope

The above represents the Peerless Hay Unloader as built for using steel wire rope instead of Manila or Sisal for draft rope. The special advantage of wire rope is that it is much easier to handle than a large rope. It also gives practically three times the amount of wear, while the original expense of the wire over the Manila is but slight.

The sheaves are 7 inches in diameter, with a groove suitable for carrying ⅜-inch wire rope. The bearings and all working parts are exactly the same as the Regular Unloader

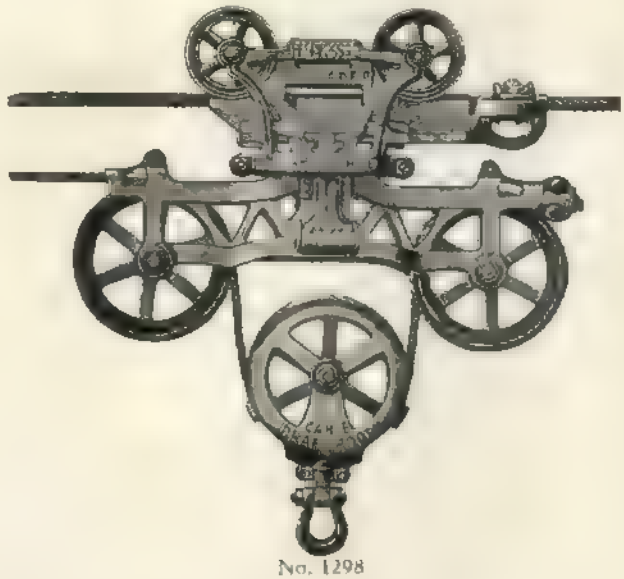
No.	Description	Wt., Lbs
1300S	Steel Track	34
1300W	Wood Track	38
1298	Cable Track	38

For Cable or Rod Track

This Carrier is built on the same plan as our Regular Peerless Unloader, for steel or wood track. The Carrier is fitted with wide open mouth, and will receive the fork pulley easily. The fork pulley is made with a short top and will swing backward or forward so as to relieve the strain of the swinging load in starting from the knocker. The Carrier is fitted with patented double lock

The Knocker is so arranged that it swings loose on the track. It is held to the cable by means of a steel sleeve through which the cable passes. The sleeve is attached to the knocker proper by means of two bolts and can be removed at any time without taking down the cable.

No.	Description	Wt., Lbs.	Each
1043	For Cable or Rod Track	31	



No. 1298

For Cable Track

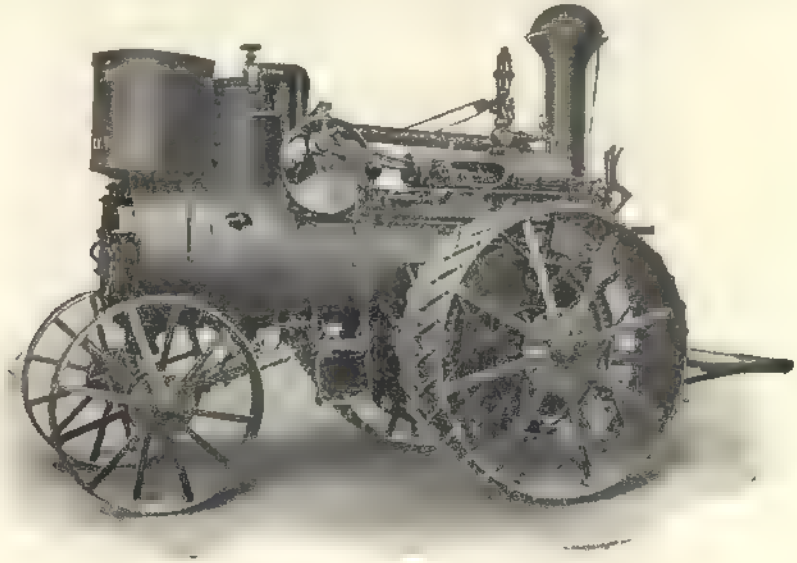
The above represents the Peerless Unloader for cable or rod track, as built with 7 inch rope sheaves, for use with 3-strand flexible wire rope instead of a ¾-inch or ⅞-inch Manila rope as generally used on Hay Carriers. It has been found by actual practice that a ⅜-inch wire rope has many advantages over the ordinary Manila rope.

This Carrier is our regular Cable Unloader, fitted with special pulleys suited for using this kind of draft rope. Has large open mouth and swinging fork pulley.

Knocker and Carrier can be removed from cable without dismounting the cable.

Each

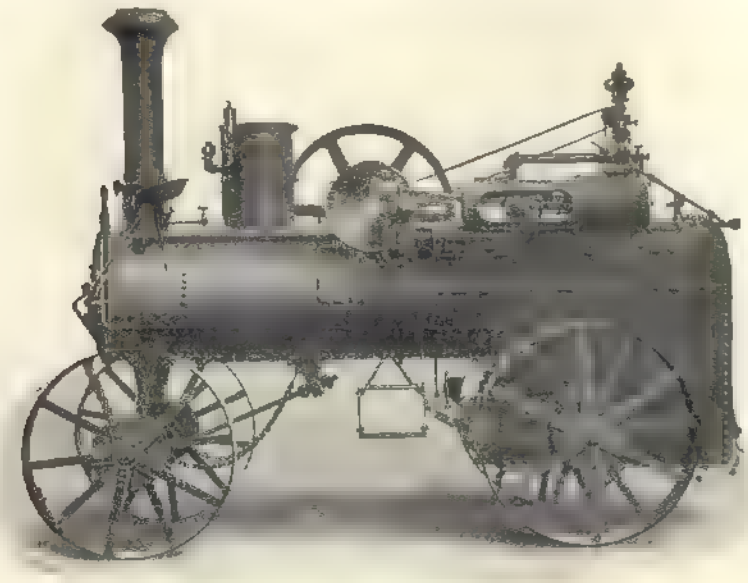
BUFFALO-PITTS TRACTION ENGINES



Straw-Burning—Return-Flue Traction Engine.

25 horse-power single-cylinder engine, on 37½-inch return-flue boiler.

BUFFALO-PITTS PORTABLE ENGINES



Portable Engine—Single-Cylinder.

Double-Cylinder Portable Engines are also built in al. the traction sizes, with single or double band wheel.

For Dimensions and Prices See Page 4656

BUFFALO-PITTS ENGINES

Gearing—The gearing on all Buffalo-Pitts engines is unusually heavy and wide face, and is properly proportioned to stand the hardest usage. All engines are provided with a compensating gear to permit easy turning and continuous application of power to both road wheels. Teeth of bevel wheels are half shrouded so as to strengthen them as much as possible. Moreover these shrouds are faced off to engage a shield on the compensating wheel itself, so as to form a tight case, preventing dirt or sand getting at the bevel gear mechanism inside. The construction is such that while the gearing is well protected it is also perfectly easy to get at if desired. The bevel pinions are steel in all engines and vary in size and in number from three to eight according to the size of the engine itself.

Countershaft is of high carbon steel of large diameter and runs in ample bearings lined with high grade babbitt. The countershaft brackets are of an exclusive design, and affording opportunity to hold them securely on the boiler without carrying the strain directly on the connecting stud bolts. The nuts securing the caps on the gear side are provided with lock washers to prevent them from loosening.

Road Wheels—On all traction engines we furnish steel rimmed wheels with broad flat steel spokes riveted to rim and to hub. The *T* heads of spokes which are riveted to rim are upset directly from the body of the spoke on special machinery without welding.

Engines 15 to 22 horse-power are built with traction wheels 66 inch diameter, while 22 horse-power special and larger sizes have wheels 78 inch diameter. The tires are unusually heavy and rivets are extra large, making an exceedingly substantial and satisfactory wheel.

Main spur gears are all thoroughly braced to the whee rim so as to communicate driving power directly to the point,

Steering Gear is fitted on the right hand side of boiler, so as to bring it into the most convenient position for the operator. Steering chains are extra heavy and are provided with ample relief springs to relieve them from liability of derangement from shocks, as in striking obstacles on the road The steering is also limited by check chains to prevent front wheels coming in contact with boiler shell.

General Convenience—Throttle, reverse and friction clutch levers, steering wheel, injector, pump, lubricator, etc., are all located so as to be within easy reach of the operator as he stands on the platform of the engine. For his further convenience a ladder is placed on the left side of the engine by which he may readily get up to the working parts of the forward end.

Platform—It is of ample dimensions and of the rigid type, built up on a frame work of heavy angle iron. Conveniently located tool and fuel boxes are also supplied.

Cabs—Constructed with corrugated iron roof and angle iron supports and are provided regularly with all double engines, and can be supplied on all sizes of single engines when ordered, at a small extra charge.

Front Tanks—All our engines are regularly provided with round front water tanks, carried on heavy angle iron supports. On the larger sizes we can supply an extra large square tank of 300 gallon capacity at an additional price. Piping is so arranged that water may be taken from the front tank either by pump or injector.

Superiority of Double Engine—The using of double cylinders produces a machine which has all the simplicity of a single-cylinder traction engine, and many decided points of superiority. A traction engine is put to a constant and tremendous strain on the road. It is used from morning until night, on rough and stony roads. It is subjected to the same kind of use—as far as going backwards and forwards, and starting and stopping, are concerned—as a steam locomotive on a railroad.

Every one is familiar with the way a steam locomotive starts, stops and reverses. The operation of the Buffalo-Pitts Double-Cylinder Traction Engine is much the same. There is no possibility of stopping on a dead center, and the engine can be started at any point, slowly or at any speed desired. At every point there is a full pressure of steam on the engine shaft, and at no point must the shaft be carried over the center by its own momentum, as in single engines. The result is that there are no shocks to the gears in starting, stopping or reversing; the engine runs evenly, smoothly and on full power throughout.

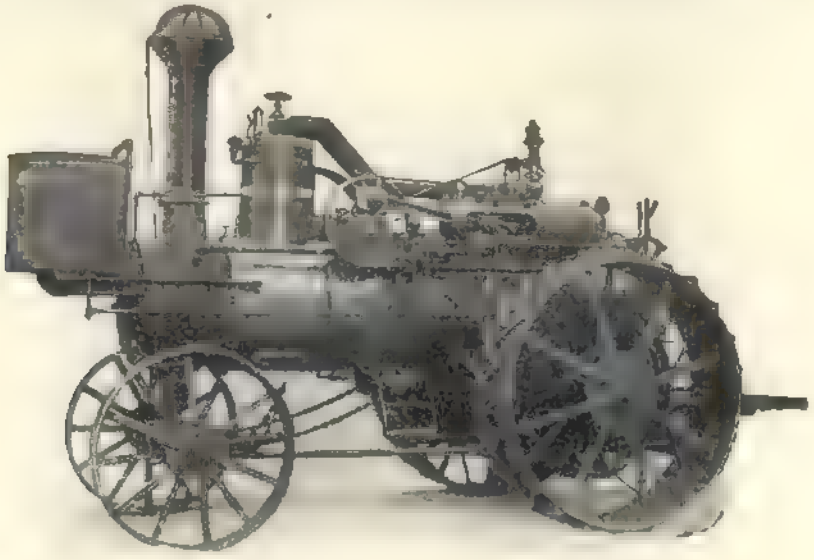
The 22 and 35 horse-power engines are mounted upon Universal water-bottom boiler to burn coal, wood or straw. These boilers have great effective heating capacity, insuring an abundance of steam and economical consumption of fuel.

The Two Cylinders—The engines are of the self-contained type, mounted side by side on the top of the boiler, thereby not only adding to the appearance of the engine, but balancing it perfectly, as the engines are directly over the center. Each cylinder is complete in itself and separate from the other, having its own steam chest, piston and crossheads, connecting rods, etc. The cylinders are firmly fastened together in a special manner, which makes it impossible for them to get out of line. The locomotive link motion is well adapted for this form of construction. The links are provided with simple adjustments for wear. The weight is nicely distributed over the front and rear wheels, so that the engine will not rear in going up hills.

Particular Advantages—In a double engine it is not necessary to use an enormously heavy fly wheel, straining the crank shaft and otherwise racking the machine, as there is no dead center requiring the centrifugal force of the fly wheel to carry it over, as in a single engine. There being, in one revolution of a double engine, four admissions and four exhausts of steam, and only two in a single engine, the strains and shocks are reduced one-half; consequently the expense required for its maintenance will be materially lessened. With its four exhausts the draft is steadier and not so violent as when emitted twice, as in a single engine thus saving the tubes of the boiler from injury.

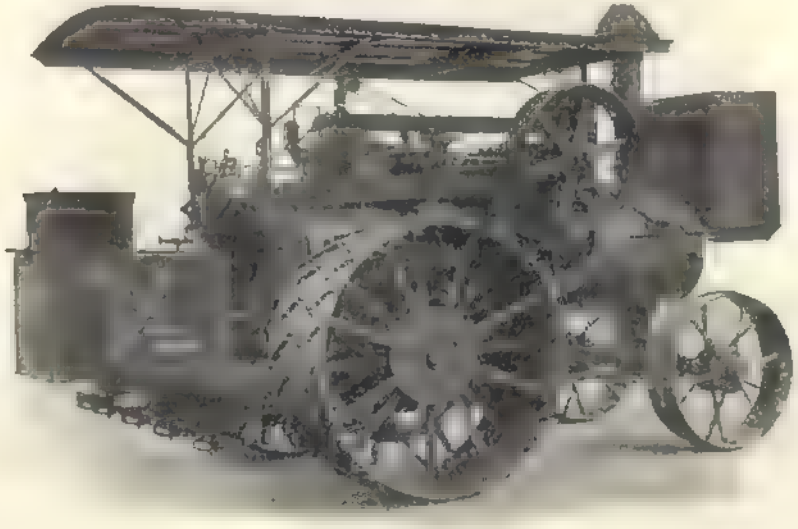
BAKER & HAMILTON

BUFFALO-PITTS TRACTION ENGINES



Single-Cylinder Traction Engine—Universal Boiler.

Illustration of 25 horse-power engine, left-hand side. Burns coal, wood or straw



Double-Cylinder, Special, Traction Engine.

The above cut shows a 35 horse-power "Special" engine with short plow draw-bar. longer draw-bars are furnished when ordered.

For Dimensions and Prices See Page 4656

BAKER & HAMILTON

DIMENSIONS OF BUFFALO-PITTS ENGINES

SINGLE CYLINDER

Rated Horse Power	8	10	15	18	20	25	30
Cylinder, Diameter, Inches	6½	7	8½	8½	9¼	10	11¼
Stroke, Inch	9	10	10	12	12	12	12
Boiler, Diameter, Inches	26	26	30 short	30 long	33	36	38
Fire box, height "	33	33	42	42	45	46	47
Fire box, length "	32	32	44	44	44	46	46
Fire box, width "	22	22	26	26	29	31	33
Tubes, number	32	32	39	39	52	54	67
Tubes, diameter "	2	2	2	2	2	2	2
Tubes, length "	60	60	72	84	84	84	84
Fly Wheel, Diameter, Inches	36	36	44	44	46	46	46
Face "	8½	8½	9½	9½	10½	10½	10½
Revolutions per minute	270	270	260	260	250	250	250
Rear Wheels, Diameter, Inches	60	60	66	66	66	78	78
Face "	10	12	16	20	20	24	24

DOUBLE CYLINDER

Rated Horse Power.	14	18	22 Special	35 Special
Cylinders (2), Diameter, inches	6	6½	7	8½
Stroke "	10	10	10	12
Boiler, Diameter, inches	30	30	33	40
Fire box, height "	42	42	45	50
Fire box, length "	44	44	44	48
Fire box, width "	26	26	29	35
Tubes, number "	39	39	52	78
Tubes, diameter "	2	2	2	2
Tubes, length "	72	84	84	84
Fly Wheel, Diameter, inches	44	44	46	46
Face "	9½	9½	10½	10½
Revolutions per minute	260	260	250	250
Rear Wheels, Diameter, inches	60	66	78	78
Face "	16	20	24	24

Note: All 8 to 18 H P Engines have locomotive style boilers, 20 to 35 H P. Engines have universal style boilers
Wider tires supplied to order at small additional cost.

COAL AND WOOD BURNING ENGINES

Portable—Single Cylinder

Size H. P.	Weight, Lbs. Net	Weight, Lbs. Boxed	Cubic Feet	Each
8	6,500	8,100	350	
10	6,800	8,700	400	
15	10,000	12,300	450	
18	11,000	13,400	480	
20	12,500	15,000	500	
25	14,500	17,100	600	
30	14,800	17,500	650	

Traction—Single Cylinde

Size H. P.	Weight, Lbs. Net	Weight, Lbs. Boxed	Cubic Feet	Each
8	9,500	12,500	450	
10	9,800	13,000	550	
15	16,000	19,500	700	
18	17,000	21,000	750	
20	18,800	23,300	800	
25	23,600	28,000	900	
30	25,500	30,100	1,000	

Portable—Double Cylinder

Size H. P.	Weight, Lbs. Net	Weight, Lbs. Boxed	Cubic Feet	Each
14	10,500	12,500	450	
18	11,700	14,100	480	
22S	13,500	16,000	500	
30	15,000	17,600	650	
35S	15,500	18,200	750	

Traction—Double Cylinder

Size H. P.	Weight, Lbs. Net	Weight, Lbs. Boxed	Cubic Feet
14	17,000	21,000	760
18	18,000	22,200	880
22S	24,500	31,000	1,000
30	30,000	36,500	1,150
35S	31,000	37,600	1,280

For straw burning attachment add about 700 lbs.

BAKER & HAMILTON

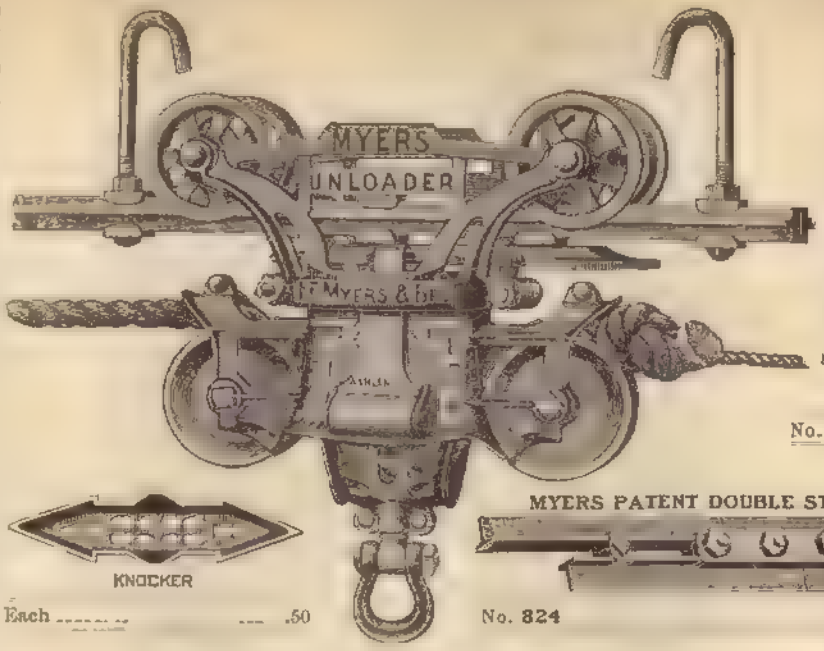
VIRGINIA-CAROLINA HARDWARE CO., RICHMOND, VA.

MYERS HAY UNLOADERS OR CARRIERS

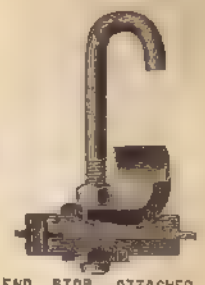
COMBINATION, REVERSIBLE AND SWIVEL. FOR DOUBLE STEEL TRACK

Has seven-eighth inch Turned Steel Axles.

No. 982 illustrates the Myers Hay Unloader, Combination, Reversible, as made to be used in connection with our regular Double Angle Steel Track. This Carrier embodies all the features of the Straight Reversible and Swivel Reversible Carrier and has many advantages over any other machine on the market. It is fitted with our old Reliable Double Lock, which engages the Fork Pulley on each side, thus insuring a perfect Locking Device. One of the most important features of this machine is the wide open mouth, which permits the Fork Pulley to enter when swinging at any Angle, thus insuring a satisfactory working Carrier under any and all conditions. The Rope Sheaves are fitted with wide Hub and have longer Bearings on the Axle than any other make of Carrier. We guarantee this Machine to be stronger than any other Carrier made for Steel Track. For strength, simplicity, neatness of design and up to date features it is without a peer.



No. 982.



END STOP ATTACHED TO TRACK

END STOPS

No. **1042** Per doz. $1 00

KNOCKER

Each ..... .50

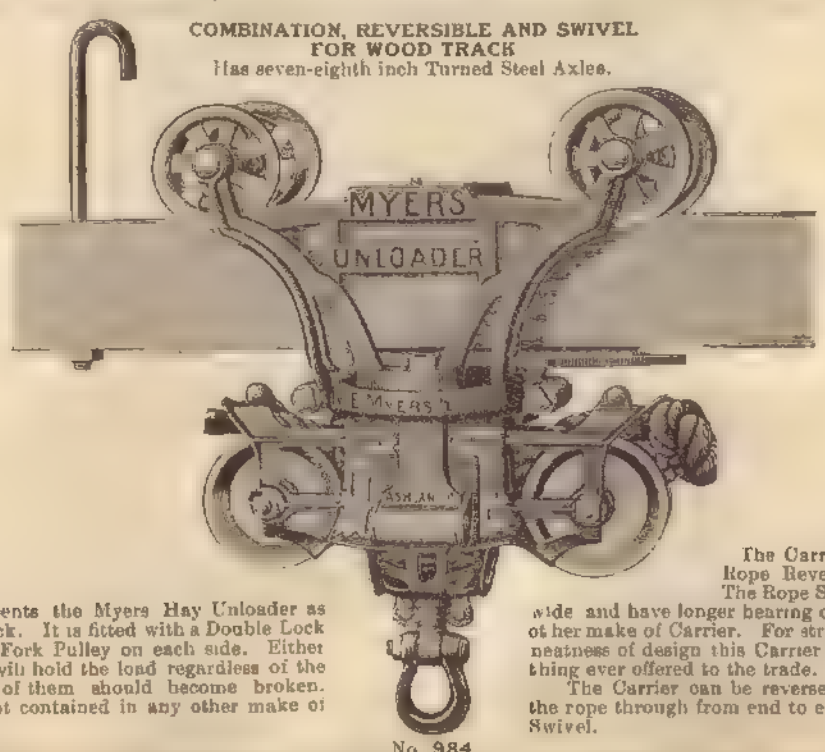
MYERS PATENT DOUBLE STEEL TRACK

No. **824** Per foot .20

No. 982 Myers Hay Unloaders or Carriers, for Double Steel Track . . . . Each $7.00

COMBINATION, REVERSIBLE AND SWIVEL FOR WOOD TRACK

Has seven-eighth inch Turned Steel Axles.



No. 984

No. 984 represents the Myers Hay Unloader as made for Wood Track. It is fitted with a Double Lock which engages the Fork Pulley on each side. Either one of these Locks will hold the load regardless of the other, in case one of them should become broken. This is a feature not contained in any other make of Hay Carrier.

The Carrier is both Swivel or Rope Reversible Combination. The Rope Sheaves are extremely wide and have longer bearing on the Axle than any other make of Carrier. For strength, simplicity and neatness of design this Carrier certainly excels anything ever offered to the trade.

The Carrier can be reversed either by drawing the rope through from end to end or by turning the Swivel.

No. 984 Myers Hay Unloaders or Carriers, for Wood Track . . Each $7.00

MYERS HAY UNLOADERS OR CARRIERS

ILLUSTRATING HOW TRACK SHOULD BE PLACED IN BARN, ALSO ROPE STOP, AND HOW PULLEY SHOULD BE PLACED

Place Pulley to draw the Carrier back into the mow directly under and in line with Track, and not as seen in cut. Do not allow Steel Track Hanging Hooks to project below Casting under Track through which they are screwed, as they will interfere with the Carrier.

This cut shows how steel track should be put up and how rope is tied from one rafter to the other close under the Track to make stop for Carrier at end of barn. Also shows how Rafter Brackets are placed.

DIRECTIONS FOR ERECTING MYERS PATENT STEEL TRACK

Scaffold by placing rope from rafter to rafter say 6 feet from ridge pole or peak and about 10 feet apart. Then place Extension Ladder across the ropes with board to stand on. Now nail one Rafter Bracket at each end of barn and draw a line from one end to the other and stretch tight. Then nail all Rafter Brackets even with this line. You are now ready to put up the Track, which can be done in sections. Hoist rear to Rafter Brackets by ropes. Then place Hanging Hook over Rafter Bracket and finish by putting in bolt.

MATERIAL REQUIRED FOR A STEEL TRACK OUTFIT FOR DIFFERENT LENGTH BARNS

For a 40 foot Barn One Hay Unloader, 36 feet Steel Track, 19 Hanging Hooks, 19 Rafter Brackets, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 110 feet ¾ inch Manila Rope, 40 feet ⅜ inch Check Rope, 40 feet ⅜ inch Reverse Rope.

For a 50 foot Barn One Hay Unloader, 48 feet Steel Track, 25 Hanging Hooks, 25 Rafter Brackets, 5 Knot Passing Pulleys, 6 Floor Hooks, 140 feet ¾ inch Manila Rope, 50 feet ⅜ inch Check Rope, 50 feet ⅜ inch Reverse Rope.

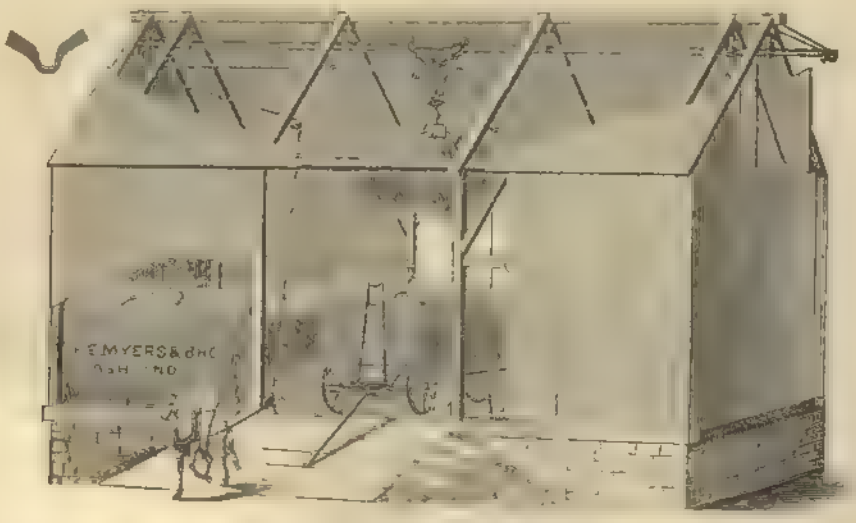
For a 60 foot Barn One Hay Unloader, 54 feet Steel Track, 28 Hanging Hooks, 28 Rafter Brackets, 5 Knot Passing Pulleys, 6 Floor Hooks, 140 feet ¾ inch Manila Rope, 60 feet ⅜ inch Check Rope, 60 feet ⅜ inch Reverse Rope.

For a 70 foot Barn Hay Unloader, 66 feet Track, 34 Hanging Hooks, 3½ lbs Bracket Nails, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 160 feet ¾ inch Draft Rope, 70 feet ⅜ inch Check Rope, 70 feet ⅜ inch Reverse Rope.

For an 80 foot Barn Hay Unloader, 78 feet Track, 40 Hanging Hooks, 40 Rafter Brackets, 4 lbs Bracket Nails, 5 Knot Passing Pulleys, 1 Fork, 6 Floor Hooks, 240 feet ¾ inch Draft Rope, 80 feet ⅜ inch Check Rope, 80 feet ⅜ inch Reverse Rope.

Different lengths of barns will use Track, Hanging Hooks and rope in same ratio as above.

If required to take hay in at end of barn and have rope pass down at far end of horse, same amount of Draft Rope. If Draft Rope is returned to same end of barn and then down it requires about one-fourth more Draft Rope.



HOW TO REVERSE CARRIER

Set Fork in Hay. Tie ends of rope together, to which horse and weight are attached. Pull on small rope until knot comes to the door, then untie ropes. Fasten weight to small rope, change Pulley A to Floor Hook H. This reverses Carrier for opposite direction without leaving the floor or climbing up. Use all Knot Passing Pulleys. For taking in hay at end of barn use V shaped Brace for Track Support, as shown in cut.

VIRGINIA-CAROLINA HARDWARE CO., RICHMOND, VA.

HAY FORKS

HARRIS DOUBLE HARPOON

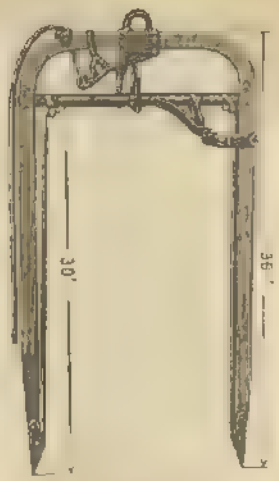
25 inch Tines.

No.	Each
268	$1.60

MYERS GRAPPLING HARPOON

Will spread from 22 inches to 36 inches.

No.	Each
1312 38 inch Tines	$3.00



MYERS LOCK LEVER HARPOON

19 inches wide.

No.	Each.
670	$3.75

NELLIS

No.	Each.
773	$3.00

MYERS PERFECT AUTOMATIC GRAPPLE FORK

CLOSED

Closes and Locks Itself Before Returning to the Load.
Made of High Carbon Spring Steel. Trips Easily from Any Direction.
Handles Loose or Baled Hay.

This Fork is unlike any other, inasmuch as it is not only balanced at all points, but in addition the natural pull on the trip rope closes the Fork and locks it securely, thus returning it to the load all ready to enter the hay without any attention whatever from the operator as to setting the lock, etc. It is double braced throughout, making it very rigid and strong.

The special features are its ease of operation and the fact that it closes naturally and locks itself by pulling on the trip rope to draw it out of the mow. This alone will recommend it to any user, on account of the danger from an open Fork descending to the load over the operator. When the Perfect Automatic Fork is returned to the load the lock is already set, so that the only thing necessary to do is for the operator to pick it up and place it in the hay as desired, when he is ready for the next draft.

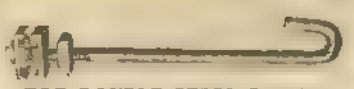
OPEN

No. **1351** 4 Tines, **Myers** Perfect Automatic Grapple Hay Forks — Each $7.00

FLOOR HOOKS

Length, inches	6	8
Diameter, inches	⅜	½
No. 266 ..... Per dozen	$1.20	1.40

HANGING HOOKS



FOR DOUBLE STEEL TRACK

Length, inches	6	10
No. 302 ..... Per dozen	$1.40	1.40

FOR WOOD TRACK, ¼ inch Round Iron

Length, inches	10	12	14	16
No. 267 ..... Per dozen	$1.00	1.10	1.20	1.30

RAFTER BRACKETS

Used in putting up Wood or Steel Tracks

The Bracket is V shaped, and is used to support hanging hook, is held to rafter by using ¾ inch wrought iron hinge nails. It saves the expense of lumber and labor of fitting same to rafters, and is much better.

Use one for each Hanging Hook.

Malleable Iron.

No. 436 ..... Per dozen .60

PATENT ROPE HITCH

It is wanted by every farmer that uses a horse hay fork. No more hard knots to untie after wasting [illegible] by cutting string open. Rope can be released from whiffletree instantly. Hitch can be shortened to any desired length by drawing on the end of the rope. Twisting rope is removed by means of swivel, instead of going to the end to alter the working of the carrier.

No. 376 Patent Rope Hitch ..... Per dozen $3.20

HAY FORK PULLEYS

CAST IRON, SWIVEL EYE

No. 692 3½ inch Wheel, Solid Axle ..... Per dozen $3.50

Ten dozen in a Barrel.

KNOT-PASSING PULLEY, SWIVEL EYE

Malleable Frame. Hard Maple Sheave, 6 inches diameter. Especially designed for use with the Reversible Carrier

No. 676 6 inch Sheave Wheel ..... Per dozen $4.80

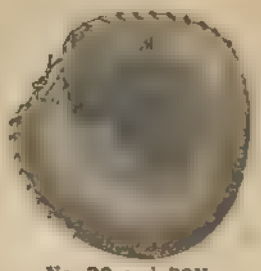
WELL WHEELS

Size of Wheels, inches	8	10	12	14
Japanned, with Wrought Hooks ..... Per dozen	$4.50	6.00	8.00	11.00
Dozen in a Barrel	5	3	2	1

REACH CATCHERS' MITTS

No. 2A, 2B and AS.

No. 32.



No. 30 and 30N

These Mitts are of the New Moulded Style ready for use require no "Breaking in," Original Patented Lacing Device, Laced Thumb, Deep Pocket, Strap and Buckle at Wrist. Double Stiffening on Edge and Back to protect Fingers, Special Reinforced Back and Hand Protector. All parts Double Stitched. Made in Rights and Lefts.

			Each.
No. 2A	Reach Special,	Face and Back Finest Brown Reaco Calfskin, Strip and Fingers Finest Olive Reaco Calfskin, Welted	$6 00
" 2B	" "	Face, Back and Fingers Finest Black Reaco Calfskin, Strip of Brown Reaco Calfskin, Welted	6 00
" AS	" "	" and Back Finest Pearl Colored " " " and Fingers of Olive Calfskin	5.00
" 32	" "	Finest Olive Reaco Calfskin	5.00
" 30	" "	" Mouse Colored Reaco Leather	4.00
" 30N	" "	" Black Reaco Leather	4.00

One in a Box.

No. 31

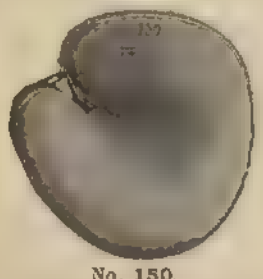
No. BX, BN and BP. No. DD, DN, 20N, 200 and 150N.

SHOWING FINGER PROTECTORS

These Mitts are fitted with the Reach Patented Lacing Device, Laced Thumb, Deep Pocket, Strap and Buckle at Wrist. No. 31 is made on Moulded Model, all others are made on the New Model which has the appearance and effect of a Moulded Mitt. Made in Rights and Lefts.

			Each
No. 31	Moulded Model,	Made entirely of Brown Tan Leather, Ox Blood Binding	$3 00
" BX	New Model,	Finest Olive Calfskin with Black Calfskin Strip Welted, Patent Sole Leather Finger Protectors	3 00
" BN	" "	Black " " Brown " " "	3 00
" BP	" "	" Olive " " Black " " "	3.00
" DD	" "	Face and Fingers Finest Drab Suede Calfskin, Back and Strip of Finest Brown Tan Leather Patent Sole Leather Finger Protectors	2 50
" DN	" "	Face and Fingers Fine Black Calfskin, Back and Strip Fine Black Tan Leather, Patent Sole Leather Finger Protectors	2 50
" 20N	" "	Face and Fingers Fine Black Calfskin, Back of Black Tan Leather, Strip of Olive Tan Leather.	2 00
" 200	" "	" " " Finest Mouse Colored Calfskin, Buckskin Finish, Back and Strip Fine Craven Tan Leather	2 00
" 150N	" "	Face and Fingers Fine Black Calfskin, Back of Black Tan Leather Strip of Craven Tan Leather	1.50

One in a Box.



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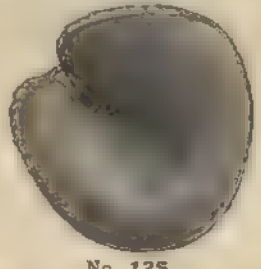

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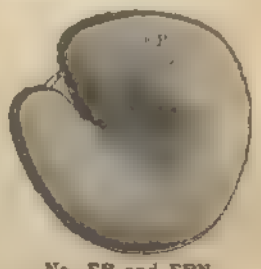


No. FP and FPN.

These Mitts are made on the New Model, which has the appearance and effect of a Moulded Mitt. Have Patent Laced Thumb and Deep Pocket, Strap and Buckle at Wrist.

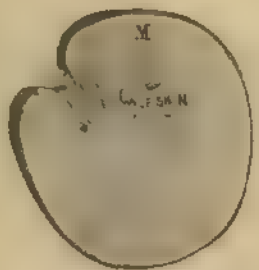
			Each
No. 150	Face, Fingers and Strip Pearl Colored Leather, Craven Tan Leather Back, Welted.		$1.50
" 125	" Back, Fingers, Strip and Face Reinforcement of Fine Brown Tan Leather		1 25
" FP	" " and Fingers Fine Brown Tan Leather, Strip of Olive " "		1 00
" FPN	Made of Fine Olive Tan Leather, with Brown Tan Strip		1 00

One in a Box.

REACH CATCHERS' MITTS

No. 100 and 65.

No. GP.



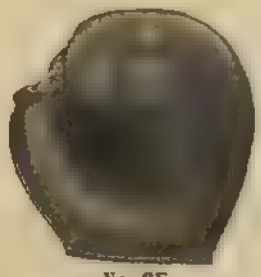
No. M

These Mitts have Patent Laced Thumb and Deep Pocket.

No.	100	New Model; Large Size; Face, Back and Fingers, Fine Black Tan Leather; Strip of Craven Tan Leather	Each 75
"	65	Face, Fingers and Back, Brown Tan Leather; Ox Blood Strip	" 50
"	GP	" and Fingers, Craven Tan Leather; Perspiration Proof Back; Olive Strip	" 50
"	M	" " " " " " " " " Ox Blood Strip	" 25

No. 100, one in a Box; No. 65 and GP, three in a Box; No. M, six in a Box.

REACH FIELDERS' MITTS



No. 8F

No. 7N and 7S.

No. 7B

No.	8F	Made of Fine Brown Tan Leather, Welted, New Model, "Ready for Use," Laced Thumb, Deep Pocket, Padded with Best Felt; made in Rights and Lefts	Each $1.50
"	7N	Made entirely of Fine Black Tan Leather, Strap and Buckle at Wrist, Padded with Best Felt	1.00
"	7S	" of the Finest Brown Tan Leather, Well Padded	.75
"	7B	Youths' Size, Made of Pearl Colored Sheep Skin, Leather Lined and Well Padded	.50

One in a Box.

REACH FIRST BASEMEN'S MITTS

No. 3, 4S and 4P.

MODEL C

No. 4L, 4R, R and RN.

No. 2R, 2RN, 3R and 3RN.

These Mitts are Fitted with Reach Patent Lacing Device, Laced Thumb, Inside Hand Pad and Deep Pocket. Padded with Best Asbestos Felt and are made in Rights and Lefts. All Mitts have Strap and Buckle at Wrist except No. 3R and 3RN, which are made with a Lacer to hold Mitt on Hand. The Model C, Professional, is Laced all around, instead of being closed at the Wrist and is made on Special Design slightly different from the Regular Line. They are all "Ready for Use," require no Breaking In.

No.	3	Reach Special, Moulded Model, Drab Reaco Buckskin, Hinged Asbestos Felt Hand Formed Pad	Each $4.00
"	4S	" " " " " Brown " Calfskin, " " " " " " " "	" 4.00
"	4P	" " " " " Black " " " " " " " " "	" 4.00
Model	C	" Professional, Made entirely of Brown Reaco Calfskin, Laced all around	" 4.00
No.	4L	The "Shelter" Mitt, Olive Reaco Calfskin, New Model, Laced all around	" 3.00
"	4R	Made entirely of Selected Pearl Colored Calfskin	" 2.00
"	R	The "Grabber" Mitt, Face of Heavy Mouse Colored Calfskin, Buckskin Finish Back and Lining of Brown Tan Leather	" 2.00
"	RN	" " " " " Black Calfskin, Back and Lining of Black Tan Leather	" 2.00
"	2R	Made of Fine Brown Tan Leather	" 1.50
"	2RN	" " " Black " "	" 1.50
"	3R	" " " Craven " "	" 1.00
"	3RN	" " " Black " "	" 1.00

One in a Box.

REACH FIELDERS' GLOVES

No. BR and W.

No. KG.

No. OBL and OBN.

No. 02 and 01.

Made of the Finest Selection of Buckskin and Calfskin. Absolutely the Best that can be Produced. Made in Rights and Lefts.

No								
No	BR	Reach Professional,	Drab Reaco Buckskin, Leather Lined, Medium Length Fingers, Medium Padding in Heel and Fingers, Light Padding in Center of Palm				Each	$4 00
"	W	"	"	Drab Reaco Buckskin, Leather Lined, Full Length Fingers, Lightly Padded Throughout,			"	4.00
"	KG	"	"	" " " This Glove is made with the Patent Device, which permits the Adjustment of the Padding.			"	4.00
"	OBL	Reach Special,	Drab Reaco Buckskin, Leather Lined and Welted, "Ready for Use," Require no Breaking In,				"	3.50
"	OBN	"	"	Black	"	Calfskin	"	3.50
"	02	"	"	Brown	"	"	"	Deep Pocket, Little Finger Larger and Heavily Padded, " 3.00
"	01	"	"	Olive	"	"	"	3 00

One in a Box.

No. 00W and 00X.

No. 04.

No. SWN and 58.

No. 56.

These Gloves are made with Patent Inside Hump, Deep Pocket, Web Thumb and Welted, Padded with Best Felt, made in Rights and Lefts.

No.								
No.	00W	Reach Special,	Selected Mouse Colored Reaco Buckskin, Full Leather Lined				Each	$2 50
"	00X	"	"	"	Light Weight Drab Reaco Buckskin, Full Leather Lined		"	2 50
"	04	"	"	"	Pearl Colored Reaco Calfskin, Full Leather Lined		"	2 50
"	SWN	Selected	Black Reaco Leather, Full Leather Lined, Large Model				"	2 00
"	58	"	Ecru	"	"	" " " a New Glove Showing Exceptional Value,	"	2.00
"	56	"	Mouse Colored Buckskin, Full Leather Lined				"	2 00

One in a Box.

No. 3GN.

No. 9G.

No. 2N.

No. 2G.

These Gloves are made with Patent Inside Hump, Deep Pocket, Web Thumb, Padded with Best Felt, made in Rights and Lefts.

No.					
No.	3GN	Made of Excellent Quality Black Tan Grain Leather, Welted and Leather Lined, a Popular Model		Each	$ 50
"	9G	" "	Fine Mouse Colored Leather, Welted and Full Leather Lined	"	1.50
"	2N	" "	Excellent Quality Black Tan Leather, Welted Palm, Leather Lined, Gold Stamped	"	1 25
"	2G	" "	Finest Mouse Colored Leather; Palm, Leather Lined	"	1.25

One in a Box.

REACH FIELDERS' GLOVES

No. 60.

No. 10G and 10N.

No. 59.

No. 54N

These Gloves are made with Patent Inside Hump, Deep Pocket, Web Thumb. No. 60, 10G and 10N are Padded with the Best Felt. No. 59 and 54N are Padded with a Good Grade of Felt. Made in Rights and Lefts.

No. 60	Made of Finest Craven Tan Leather, Welted and Leather Lined	Each	$1.25
" 10G	" " Fine Brown Tan Leather, Palm Leather Lined	"	1.00
" 10N	" " " Black " " " " Gold Stamped	"	1.00
" 59	Olive Tan Leather, Welted, Full Leather Palm Lining	"	1.00
" 54N	Black " " " " " " "	"	.75

One in a Box.

No. 18N.

No. 24. BOYS'.

No. SC and SCX. AMBIDEXTROUS

No 18N and 24 have Patent Inside Hump, Deep Pocket, Web Thumb and Well Padded with a Good Grade of Felt. Made in Rights and Lefts. No SC and SCX can be used on either Right or Left Hand and are large enough to fit any size Hand.

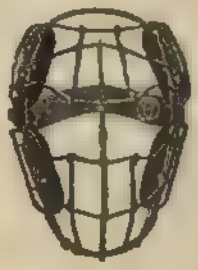
No. 18N	Black Tan Leather, Felt Padded, Leather Palm Lining	Each	.50
" 24	Boys' Size, Brown Tan Leather, Felt Padded, Leather Palm Lining	"	.25
" SC	Ambidextrous, Drab Reaco Buckskin, Full Leather Lined, Padded with High Grade Felt	"	2.50
" SCX	" Craven Tan Leather, " " " " " "	"	1.50

No. 24, six in a Box; No. 18N, SC and SCX, one in a Box.

REACH CATCHERS' MASKS

No. DM.

No. CM.



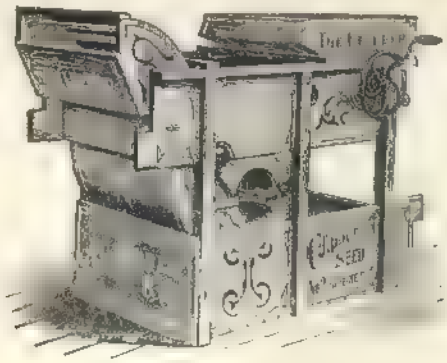
No. 3M.

No. XX and XS.

No. 25S.

No. DM	Youths' Mask, Light Wire Well Padded, without Head or Chin Piece	Per dozen	$3.00
" CM	" " Heavy Wire, " " " " " " "	"	6.00
3M	Amateur Men's Mask, Heavy Bright Steel Wire Well Padded and Finished, without Head or Chin Piece,	"	9.00
" XX	" Mask, Large and General Style of Association Masks, of Lighter Bright Steel Wire, Well Padded and Strongly Constructed Full Size,	"	12.00
" XS	" Boys' Mask, Made in same Style and Quality as the XX, only Boys' Size	"	12.00
" 25S	Regulation Mask, Heavy Steel Wire, Well Padded, Extra Strong, Bright Finish, Patented Head Band	"	18.00

CLIPPER SEED CLEANERS



No. 2 Clipper

Designed especially for cleaning all kinds of fine seed such as alfalfa and clover. One wire and nine perforated zinc screens furnished with each cleaner. The screens are 24x33 inches We do not recommend the No 2 mill as a grain cleaner, if it is to be operated by hand. The clipper screens all straw and foreign matter from the seed before it enters the air shaft and the vertical blast does the rest Grain screens can be had from factory on special order. Capacity, alfalfa seed, 20 bushels per hour.

No	Description	Wt. Lbs.	Each
2	Clipper Cleaner	250	

CLIPPER GRAIN AND BEAN CLEANERS

No. 47 Clipper

Adapted to cleaning all kinds of seed, grain, beans and peas. The traveling brushes are a special feature. There is a brush for each screen upper and lower; this prevents clogging. This cleaner can be equipped with an air controller at a small advance in price.

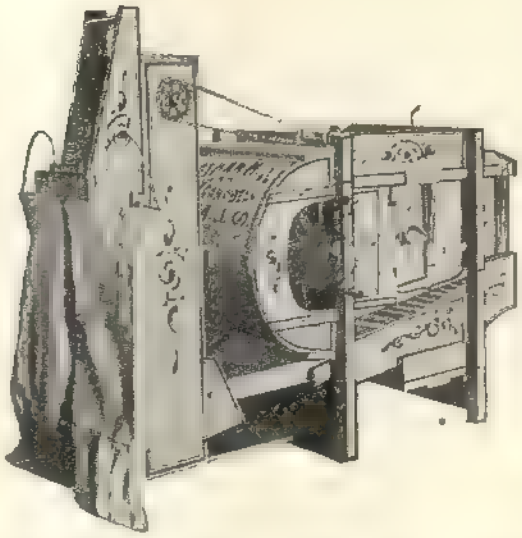
Screen surface, 34 inches wide 42 inches long Speed 400 R. P. M. Drive pulley 6 inch diameter, 2½ inch face Power required 1 horse. Capacity per hour grain 200 to 300 bushels; beans 100 to 125 bushels; seed 50 to 65 bushels.

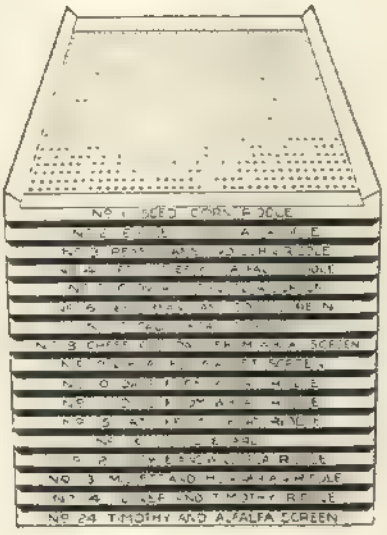
No.	Description	Wt. Lbs.	Each
47	Clipper Cleaner	700	
Add for Air Controller			

BAKER & HAMILTON

FANNING MILLS OR GRAIN CLEANERS

CHATHAM

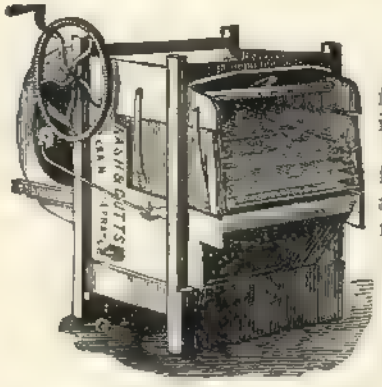




The Chatham Mill is equipped with 17 screens and riddles. It will clean wheat, barley, oats, clover, alfalfa and beans. It has two shoes and two shakes. The top shoe has a side shake and the bottom shoe an end shake. The riddles and screens are the same width and are interchangeable Each riddle has pivots which permit its being raised or lowered by adjustment in the notches, thus giving it a wide range of pitch. One of the most valuable features found in the Chatham Mill is the device known as the scrubbing bar. As this comes in contact with every part of the screen it absolutely prevents clogging. The Fan has six wings. This gives a strong even blast. All Mills are equipped with baggers. When the bagger is used nothing can get into the sack but clean grain. The Chatham is the most practical up-to-date Fanning Mill and Seed Grader made. Capacity 50 to 100 bushels per hour. Size, length 4 feet 8 inches, width 2 feet 9 inches, height 3 feet 11½ inches.

	Wt. Lbs.	Each
Chatham Mill	285	

NASH & CUTT'S LATEST IMPROVED



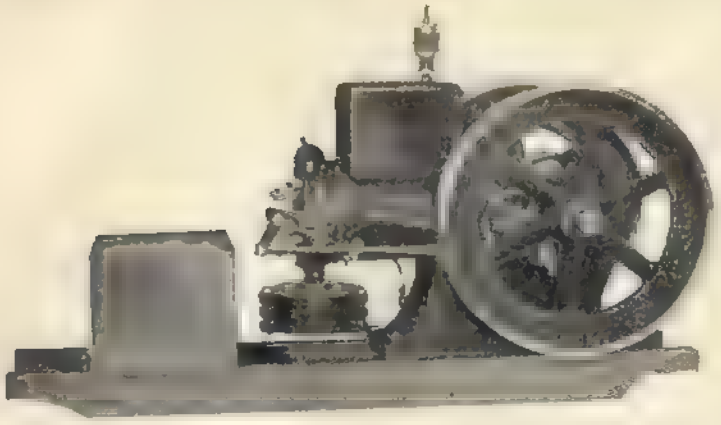
This is the most perfect machine for separating barley, oats, cheat, etc., from wheat and will clean more grain of any kind, in a given time, than any similar machine made. There are thousands of these machines in use in California.

The new wheat gangs consist of perforated zinc and rolled wire for the successful separation in a rapid manner of barley, oats and all foul matter from wheat and we guarantee the new gang to clean once through as thoroughly as other machines with running through two times. Capacity 400 to 600 bushels.

Hand or Power

No.	Description	Wt. Lbs.	Each
2	For Beans	190	
2	For Grain	190	
Bean Equipment Only		15	
Grain Equipment Only		15	

BULL DOG GAS ENGINES
FOR SEMI-PORTABLE WORK



2½, 4½ and 6 H. P. On Skids

In many instances it is necessary to furnish engines mounted on skids in a semi-portable form. Our Bull Dog open jacket horizontal engines are especially adapted for this service.

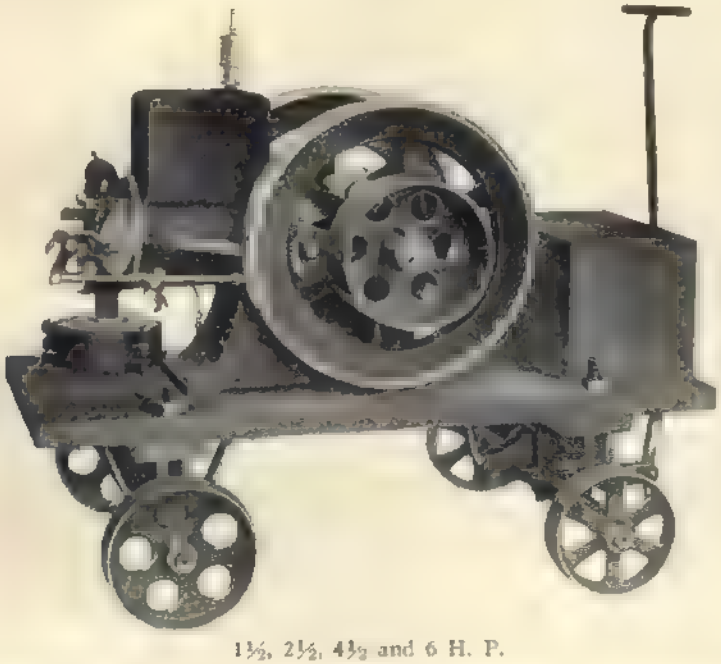
The skids are made from sound, hard wood stock, and the battery box, containing spark coil, cells, tools, etc., is placed on one end of the skids.

The gasoline being contained in the cast-iron base of the engine and the water in the open jacket makes the outfit absolutely self-contained. No tanks of any description are necessary, consequently there are no joints or connections to break, causing danger from leakage.

Engines so arranged are especially desirable for any work where they must be occasionally moved.

Outfit No.	H. P.	Crank Shaft Inch	Speed	Pulley Inch	Wheels Inch	Gasoline Capacity	Shipping Weight	Each
C	1½	1¾	400	6 x 4	16	1½ gals.	350 lbs	$ 75 00
J	2½	1½	400	8 x 4	20	2½ gals.	500 lbs.	105.00
K	4½	2	375	12 x 6	26	4 gals.	950 lbs.	175.00
L	6	2¼	375	14 x 6	32	6 gals.	1350 lbs	225 00

ON HAND TRUCKS



1½, 2½, 4½ and 6 H. P.

To meet the demand for a small engine mounted on hand truck, we offer the Bull Dog shown on this page.

These trucks are constructed in a very solid and substantial manner. The platforms are made from sound, hard wood stock; the axles from square steel, and the wheels cast iron. The forward wheels are small enough so that they swing under the platform, so the truck can be turned in a very small space. Each wheel is provided with a clamp, so that truck is held perfectly steady when engine is running.

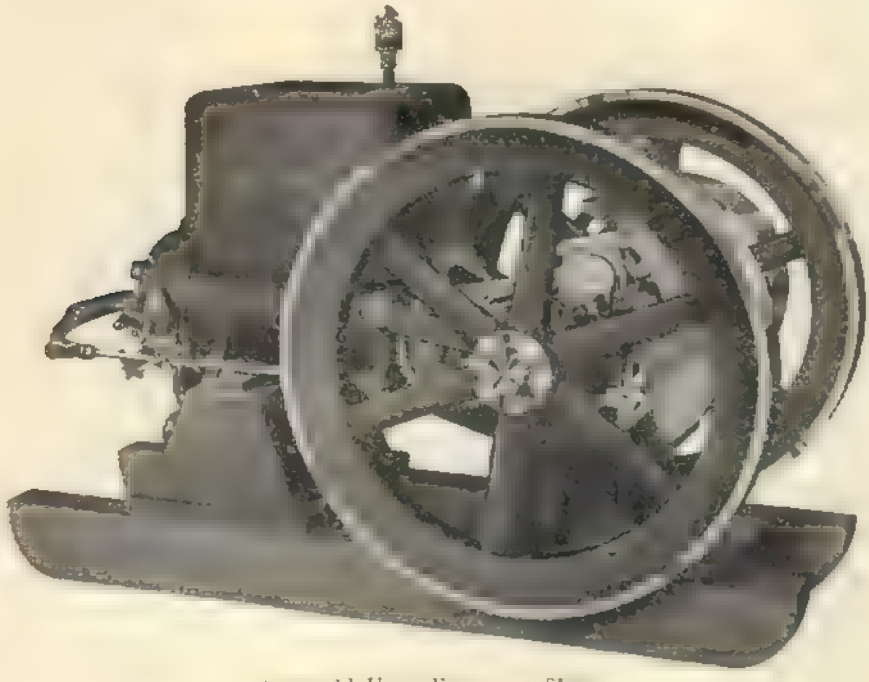
The Bull Dog engine is especially adapted for this work, as it is very compact and entirely self contained. The whole outfit is painted in a very attractive manner, and really presents a handsome appearance.

Outfit No.	H. P.	Platform Inch	Axles Inch	Front Wheels Inch	Rear Wheels Inch	Each
M	1½	22 x 48	1¼ square	9 x 2½	10 x 2½	$100 50
N	2½	22 x 48	1¼ square	9 x 2½	10 x 2½	130 50
O	4½	30 x 60	1¼ square	9 x 2½	10 x 2½	203 50
P	6	30 x 60	1¼ square	9 x 2½	10 x 2½	253 50

BAKER & HAMILTON

BULL DOG GAS ENGINES

FOR STATIONARY AND SEMI-PORTABLE WORK



Style P H Engine on Skids.

In General—The engine is especially adapted for use where a strong, heavy and rugged engine is required. Bearings are provided that will be used in places where the conditions of operating engines are not the best, we have endeavored to make every part accessible. The crank shafts and connecting rods are extra large in proportion to the power of the engine, the castings are very thick and the best material is used in every part. It is not a light built or polished engine, but as the name indicates, it is a "Bull Dog" in every sense of the word.

Skids—The skids are made from hardwood stock 4 x 6 inches, to which are bolted cast iron brackets, which receive the engine. The bracket under the cylinder end of the engine is cast to form a tank which forms a receptacle for gasoline.

Crank Shaft—Drop forged from tough carbon steel.

Connecting Rod—Drop forged from tough carbon steel. The connecting rod provided with bronze boxes, which are adjustable by means of wedges, so that the wear can be easily taken up. Both crank shaft and connecting rod are the same as used in our Style R engines.

Cooling Device—We use the open jacket system, by which the outside cooling tank and circulating pump are entirely done away with. This renders the engine extremely simple. The gasoline being carried in the base, no outside connections of any kind are necessary. A water tank is provided at the lowest point in the open jacket, so the water can be easily and quickly removed. The tank will hold enough water to cool the engine under all conditions, but even if it does boil it has no effect upon the running of the machine.

For Portable Work—These engines are especially adapted for any work where it is necessary to occasionally move the engine, such as pump jacks, sawing wood, or any other work around a farm. In the bracket supporting the front end of engine we place a clevis for attaching a chain for drawing the engine when required.

For Stationary Work—Although the Engine as shown is intended for semi-portable purposes, it can be used for stationary work without the skids. The skids can be bolted to a concrete foundation, and for this reason it can be more easily and quickly installed than an engine having a cast iron sub-base.

Speed Change Device—On engines of this kind it is sometimes found necessary to change the speed. We have therefore provided a change speed device which acts directly on the governor. By means of this lever the speed can be varied at will while the engine is running.

Equipment—Engines can be furnished with crank, belt pulleys or friction clutch, as shown in the cut, as may be specified. Can furnish pulleys of any diameter, but if size not specified we ship an 18 x 7 pulley. It is always desirable to specify the size pulley wanted.

PULLEYS—Engines can be furnished with plain, split pulleys or friction clutch, as shown in the cut, as may be specified. Can furnish pulleys of any diameter, but if size of pulley not specified we ship an 18 x 7 pulley. It is always desirable to specify size pulley wanted.

Outfit No.	H. P.	Crank Shaft, Inch	Speed	Pulley Inch	Wheels Inch	Gasoline Capacity	Skids	Shipping Weight	Each
Q	8	$2\frac{3}{4}$	400	18 x 7	33	6 gallons	4 x 6 in. x 5 ft.	2000 lbs.	$280 00
R	12	3	375	18 x 7	38	10 gallons	4 x 6 in. x 6 ft.	2500 lbs.	400 00

BAKER & HAMILTON

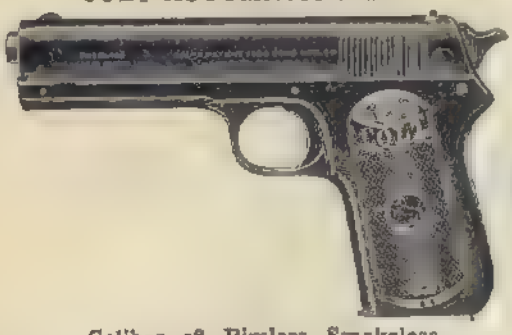
COLT AUTOMATIC PISTOL

Pocket Model, Caliber .25, Hammerless

For the .25 rimless, smokeless cartridge.

This latest model Colt has been produced to meet the increasing demand for an arm that would combine extra light weight and very small size with the essential features of a practical and efficient pistol. Capacity of Magazine — 6 shots. Length over All — 4 inches. Length of Barrel — 2 inches. Finish — Full Blued with case hardened trigger slide lock safety and grip safety, or fine nickel plated. Rubber stocks. Weight — 13 ounces. Price..... $12.00

COLT AUTOMATIC PISTOL



Caliber .38, Rimless, Smokeless

Capacity of magazine, 7 shots. Length of barrel, 4½ inches. Finish, full blued, rubber stocks. Weight 32 ounces. Length over all, 7½ inches. Price..... $20.00

MILITARY MODEL, CALIBER .38

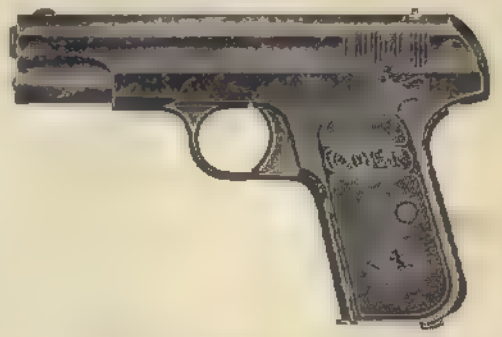
Capacity of magazine, 8 shots. Length of barrel, 6 inches. Weight, 38½ ounces. Finish, full blued, rubber stocks. Length over all, 9 inches. Same cartridge as above. Price..... $21.00

MILITARY MODEL, CALIBER .45

Full metal patched bullet. Caliber .45, rimless smokeless.

Capacity of magazine, 7 shots. Length of barrel, 5 inches. Weight 33 ounces. Finish, full blued checked walnut stocks. Length over all 8 inches. The most powerful small arm [illegible] Price..... $22.00

COLT AUTOMATIC PISTOL



Caliber .32 Rimless, Smokeless

Full metal patched bullet. Caliber .32 rimless smokeless.

Capacity of magazine, 8 shots. Length of barrel, 3¾ inches. Finish, full blued rubber stocks. Weight, 23 ounces. Length over all 6¾ inches. Price..... $15.00

POCKET MODEL, CALIBER .380, HAMMERLESS

Capacity of magazine, 7 shots. Length of barrel 3½ inches. Finish, full blued, rubber stocks. Weight 23 ounces. Length over all, 6¾ inches. Price..... $17.50

SAVAGE 10-SHOT AUTOMATIC PISTOL

New Savage Automatic .32 Caliber Rimless

Savage Automatic Pistol, Pocket Model, .32 caliber rimless, blued finish perfectly balanced, no screws, absolutely safe, capacity of magazine ten shots, weight of pistol over all 6½ inches, weight 19 ounces. The Savage Automatic contains fewer parts than any other automatic pistol. Shoots .32 Colt automatic cartridge. Mature pistol designed by Expert, without the use of a screw driver or other tools..... $15.00

H. & R. ARMS CO. SELF-LOADING PISTOL

Caliber .25 (6.35 M/M)

This self-loading pistol is the result of much investigation and long experimenting to produce a hammerless pistol of the automatic type to combine the desirable features of the various pistols now on the market and to offer in the highest degree simplicity of construction, strength and reliability of mechanism, light weight and compactness.

Weight of Pistol — 12½ ounces
Length of Pistol over All — 4½ inches.
Length of Barrel — 2 inches.
Capacity of Magazine — 6 shots
Price..... $10.50 each

COLT REVOLVERS

COLT ARMY SPECIAL

Jointless Solid Frame, Simultaneous Ejection, Double Action Revolver. For the following cartridges:

32-20. Rifle cartridge.

.38 (using .38 long Colt, .38 short Colt, .38 Colt Special, also .38 S. & W. Special, full and mid range loads and U. S. service cartridge.)

.41 Long Colt. (Using both 41 short Colt and .41 long Colt cartridges.)

Six shots

Length of Barrels — 4, 4½, 5 and 6 inches.

Finish — Full Blued or Full Nickel Plated Rubber stocks

Weight — With 4½ inch barrel, 34 ounces.

Length over All — With 4½ inch barrel, 9¾ inches

Price $15.50

POLICE POSITIVE

Jointless Solid Frame, Simultaneous Ejection.

For the following cartridges

32 long Colt. (Using both .32 short Colt and .32 long Colt, when barrel is stamped " 32 Colt Ctg.")

.32 Colt Police Positive. (Using .32 Colt Police Positive, full and gallery loads; also .32 S. & W. short and long cartridges, when barrel is stamped " 32 Police Ctg.")

.38 Colt Police Positive. (Using .38 Colt Police Positive and .38 S. & W. cartridges.)

Six shots.

Length of Barrels — Cal. .32, 2½, 4, 5 and 6 inches, Cal. .38, 4, 5 and 6 inches.

Finish — Full Blued or Full Nickel Plated. Rubber stocks.

Weight — With 4-inch barrel, 20 ounces

Length over All — With 4 inch barrel, 8 inches

Price $14.00

COLT REVOLVERS

NEW SERVICE

Jointless Solid Frame, Simultaneous Ejection, Double Action Revolver. For the following cartridges

.38-40, .44-40 (Colt cartridges)

44 Russian, .44 S. & W. Special (Target, Range or Gallery Loads)

45 Colt. (Target, Medium or Gallery Loads)

Also for the following English cartridges

450, 455 (Eley's) Six shots

Length of Barrels — 4½, 5½ and 7½ inches

Finish — Full Blued or Full Nickel Plated. Rubber stocks.

Weight — With 4½ inch barrel, 40 ounces

Length over All — With 4½ inch barrel, 9¼ inches.

A very particularly strong and serviceable arm made in large calibers.

Adopted by military organizations and mounted police. A most excellent weapon for hunters and campers. Fitted with the Colt Positive Lock, which prevents accidental discharge.

Price $16.75

OFFICERS' MODEL TARGET

Jointless Solid Frame, Simultaneous Ejection, Double Action Revolver.

For the following cartridges:

38 long Colt, .38 Colt Special, also .38 S. & W. Special, full and mid range loads

Any of these cartridges may be used in the same revolver.

Strap and Trigger finely checked

Action — Hand finished and without equal for smoothness and excellence of pull.

Sights — Front sight adjustable for elevation; rear sight with adjustable screw, adjustable for windage

Six shots

Length of Barrels — 6 and 7½ inches.

Finish — Full Blued Checked walnut stocks

Weight — With 6 inch barrel, 34 ounces

Length over All — With 6 inch barrel, 11¼ inches

Price $18.50

POCKET POSITIVE DOUBLE ACTION REVOLVER

For the following cartridges

.32 long Colt. (Using both .32 short Colt and .32 long Colt cartridges)

.32 S. & W. (Using .32 S. & W. short and .32 S. & W. long cartridges.)

Unless otherwise ordered will always be furnished to take .32 Colt cartridges. This revolver is stamped on barrel with the name of proper cartridge to be used.

Six shots.

Length of Barrels — 2½, 3½ and 6 inches

Finish — Full Blued or Full Nickel Plated. Rubber stocks

Weight — With 2½ inch barrel, 16 ounces.

Length over All — With 2½ inch barrel, 6½ inches.

Price $15.00

COLT REVOLVERS

DOUBLE ACTION

Jointless Solid Frame. Simultaneous Ejection. Fitted with Colt Positive Lock.

New Service

38–40 Caliber. 6 Shots. Rubber Stocks. Blued or *Nickel Plated.

Shoots 38–40 Rifle Cartridges.

Length Barrel—Inch	*4½	5½	*7½
Weight each, ozs	39	40	43
Each	$18.50	18 50	18.50

44–40 Caliber. 6 Shots. Rubber Stocks. Blued or *Nickel Plated.

Shoots 44–40 Rifle Cartridges.

Length Barrel—Inch	4½	5½	*7½
Weight each, ozs	39	40	43
Each	$18 50	18 50	18 50

45 Caliber Colt. 6 Shots. Rubber Stock, Blued or *Nickel Plated.

Shoots 45 Colt, Full, Medium or Gallery Load Cartridges.

Length Barrel—Inch	*4½	5½	*7½
Weight each, ozs	39	40	43
Each	$18 50	18.50	18 50

*New Service Target

44 Caliber Russian. 6 Shots. Checkered Walnut Stocks. Blued.

Shoots 44 Russian, Full, Mid Range, Gallery or Special Loads Cartridges

Length Barrel—Inch	*7½
Weight each, ozs	42
Each	$30 00

Army Special

32-20 Caliber. 6 Shots. Rubber Stocks. Blued or *Nickel Plated.

Shoots 32–20 Rifle Cartridges

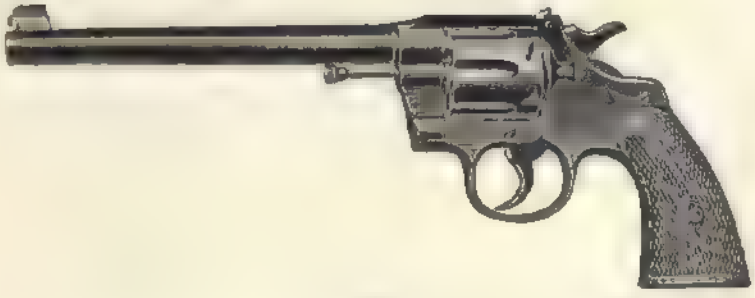
38 Caliber. 6 Shots. Rubber Stocks. Blued or *Nickel Plated.

Shoots 38 Long Colt, 38 Short Colt, 38 Colt Special, 38 S. & W. Special, Full and Mid Range Load and U. S. Service Cartridge.

41 Caliber Long Colt. 6 Shots Rubber Stocks. Blued or *Nickel Plated.

Shoots 41 Short Colt and 41 Long Colt Cartridges.

Length Barrel—Inch	4½	6
Average weight each, ozs	34	36
Each	$17.00	17 00



Officers' Model Target

38 Caliber. 6 Shots. Checkered Walnut Stock. Blued.

Shoots 38 Long Colt, 38 Colt Special and 38 S. & W. Special, Full and Mid Range Load Cartridges.

Length Barrel—Inch	6½	7
Weight each, ozs	33½	35
Each	$20 50	20 50

All above one in a box, with Cleaning Brush.

*Not Carried in Stock; can Only be Furnished by Shipment Direct from Factory.

BAKER & HAMILTON

COLT AUTOMATIC PISTOLS

The Action of these Pistols is Automatic, Except that the Trigger Must be Pulled to Fire Each Shot. Continued Discharge will not Result from One Pull of the Trigger. The Arm can be Discharged at the Rate of Five to Eight Shots per Second, the Cartridges being Automatically Supplied from a Detachable Magazine Inserted in the Handle of the Pistol. After the Pistol is Charged with a Filled Magazine, one Operating Movement is Made by Hand, Bringing the First Cartridge into the Chamber. On Pulling the Trigger the Cartridge is Fired, the Empty Shell is Ejected and a New Cartridge Loaded into the Chamber. All these Operations Take Place Automatically without any Manipulation of the Arm. This Automatic Operation of the Pistol is Effected by the Recoil of the Moving Parts, in as a Consequence the Recoil is so Absorbed in being Utilized that it has not the Usual Disturbing Effect.

POCKET MODEL, HAMMERLESS

Shot Lock Indicates when Arm is Locked. Automatic Safety Locks Action until Handle is Firmly Grasped when Pulling the Trigger.

25 Caliber. Blued or *Nickel Plated.

Shoots Automatic, Rimless, Smokeless Cartridges. Length of Barrel, 2 inches. Length over all 4½ inches. Rubber Stocks. Case Hardened Trigger.

25 Caliber—Capacity of Magazine, 6 Shots
Weight 13 ozs. Each $13 25

32 and .380 Calibers. Blued.

Shoots Automatic, Rimless, Smokeless Cartridges. Length of Barrel, 3¾ inches. Length over all 6¾ inches. Rubber Stocks.

32 Caliber—Cap. Magazine 8 Shots, Wt 23 ozs. Each $16 50
.380 Caliber—Cap. Magazine 7 Shots, Wt 23 ozs. Each 19 25

POCKET MODEL, HAMMER

38 Caliber. Blued.

Shoots Automatic, Rimless, Smokeless Cartridges. Length of Barrel, 4½ inches. Length over all, 7½ inches. Rubber Stocks.

38 Caliber—Capacity of Magazine 7 Shots.....
Weight 32 ozs. Each $22.00

MILITARY MODEL, HAMMER

38 Caliber. Blued.

Shoots Automatic, Rimless, Smokeless Cartridges. Length of Barrel, 6 inches. Length over all 9 inches. Rubber Stocks.

38 Caliber—Capacity of Magazine 8 Shots
..... Weight 38 ozs. Each $23 00

MILITARY MODEL, HAMMER

45 Caliber. Blued.

Shoots Automatic, Rimless, Smokeless Cartridges. Length of Barrel, 5 inches. Length over all, 8 inches. Checkered Walnut Stocks.

45 Caliber—Capacity of Magazine 7 Shots
..... Weight 34 ozs. Each $24.00

***45 Caliber. Blued. With Combination Stock and Holster.**

Shoots Automatic, Rimless, Smokeless Cartridges. The Combination Stock and Holster may be Quickly Converted into a Shoulder Piece, the Ammunition being Sufficiently Powerful to bring Down Large Game.

45 Caliber with Combination Stock and Holster.
Length over all, 19 inches
..Weight complete 57 ozs. Each $33 00

All above one in a box, with cleaning brush.

***Not Carried in Stock; can Only be Furnished by Shipment Direct from Factory.**

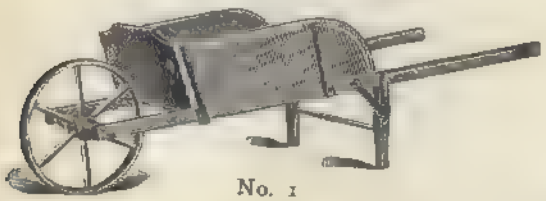
BAKER & HAMILTON

WOOD AXLE WAGONS

Nos 24, 26 and 28 Wagons

Locked corner bodies, iron tongue draw. All wheels have iron tires and tenoned spokes. Varnished on the wood, side lettered and decorated

		Per Dozen
No. 24.	Size 16x7½ inch body, 6 and 10 inch wheels ..... Price,	$6.00
No. 25.	Same as above, painted in vermilion.	7 00
No 26.	Size 18x9 inch body, 7 and 10 inch wheels . . . . Price,	7.50
No. 28.	Size 22x11 inch body, 8 and 12 inch wheels ..... Price	10.00



No. 1

BOYS' WHEELBARROWS

These are extra fine goods, made of best material and finished in accordance

		Per Dozen
No 0.	24 inch shafts, 4½ inch wheel, Price	$3 25
No. 1.	28 inch shafts, 7 inch wheel. . Price.	7.00
No. 4.	40 inch shafts, with 12 inch flat spoke wheel. . . . . Price,	15.00

WAGONS

Nos. 108 or 112

No. 1 Farm Wagon

Nos 108 and 112 are frame bottom wagons with ard wood sills and body braces, locked corners, square steel axles with turned bearings All have mortised hubs, shaved spokes heavy welded tires and nub caps No 108 Furnished with side boards and dasher, as shown in cut Size, 32x15 inch body, 12 and 18 inch wheels . . . . . Price $4 25 each

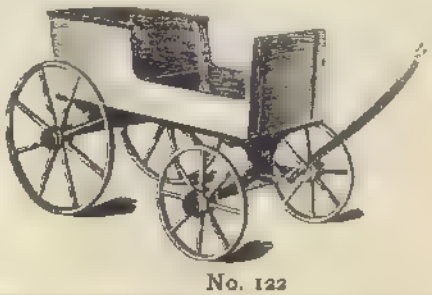
No. 112. Furnished with side boards and dasher, as shown in cut Size. 36x18 inch body. decorated and varnished on the wood, 15 and 21 inch wheels. . . . . Price $5.25 each

Seats, $4.00 per dozen extra for above wagons.

No. 1. Farm wagon with tongue. Size 36x18 inch body. All farm wagons have shaved spokes, welded tires, hub caps, wheels 15x21 inches; one wagon in a crate; weight, 60 lbs. each. . . . . Price $7.50 each

SPRING BOARD COASTERS

No. 84



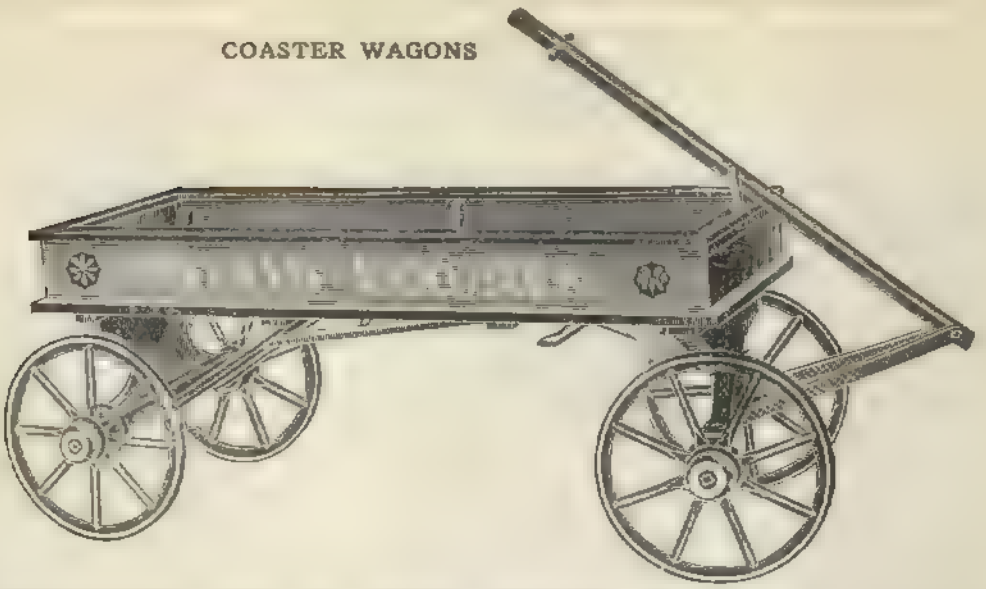
No. 122

No 84 One seat 42 inch body 12 and 18 inch wheels, with shaved spokes Price $5 75 each

No 85 Two seats Size, 42 inch body 12 and 18 inch wheels, with shaved spokes Price $7 50 each

No 122 This new wagon is especially designed for small children not quite large enough to ride in the Daisy wagon It makes a very inexpensive baby carriage. Size 26x13 inch body, 11 and 16 inch wheels, oval tires, shaved spokes hub caps, iron axles and nub boxes, painted in vermilion Price $2 75 each

COASTER WAGONS

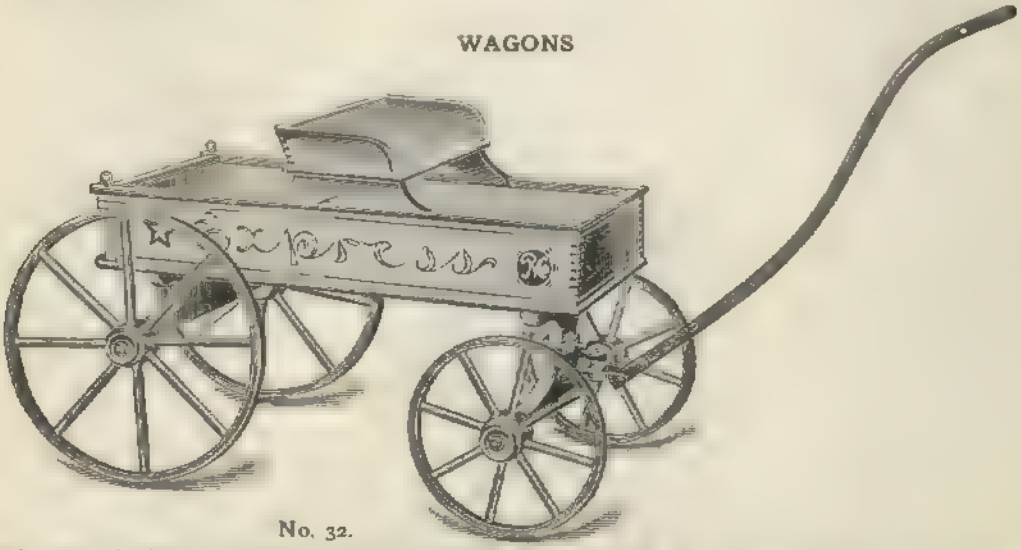


These wagons are very strongly built of the best of material The wheels are very solid, with heavy tires and hub bands, and will stand a lot of rough usage

The arrangement for taking off the top part of the body is especially convenient, as it is not necessary to take off any nuts or bolts.

		Per Dozen
No. 3A.	13x32, wheels 10 inches diameter.....Price,	$36.00
No. 4A.	14x34, wheels 11 inches diameter.....Price,	42.00
No. 5.	14x36, wheels 11 inches diameter.....Price,	54 00
No. 6.	16x38, wheels 11 inches diameter.....Price,	60.00
No. 7.	18x40, wheels 12 inches diameter.....Price,	70.00

WAGONS



No. 32.

Locked corner bodies, steel axles and boxes, iron tongue draw with pressed steel rocker plates

		Per Doz.
No 32	Size, 26x13 inch body varnished on the wood, 10 and 15 inch wheels, riveted tires. Seats $2.50 per dozen .....Price,	$15.00
No. 34	Size, 26x13 inch body, varnished on the wood, 10 and 15 inch wheels with hub caps and welded tires. Seats $2 50 per dozen extra .....Price,	18.00
No. 36	Size, 28x13 inch body, varnished on the wood, 11 and 16½ inch wheels, oval tires and hub caps Seats $2 50 per dozen extra .....Price,	24.00
No. 38	Size, 28x13 inch body varnished on the wood, 11 and 16½ inch wheels, with hub caps and welded tires, shaved spokes Seats $2.50 per dozen extra .....Price,	27.00
No 40	Size, 30x15 inch body, varnished on the wood, with strong brace from king bolt to body, 11 and 16½ inch wheels shaved spokes welded tires and hub caps. Seats $2 50 per dozen extra Price	30.00
No. 42	Size 32x15 inch body varnished on the wood, 12 and 18 inch wheels, with mortised hubs, shaved spokes, hub caps and welded tires Seats $2 50 per dozen extra .....Price,	36.00
No 44.	Size 32x16 inch body, varnished on the wood, 12 and 18 inch wheels, with heavy ¾ inch welded tires and hub caps, mortised hubs and shaved spokes, equal in style and finish to the full size carriage spokes Seats $3 50 per dozen extra .....Price,	40.00

On No 44 we use our new reach, connecting the front and rear axles

SAD IRONS

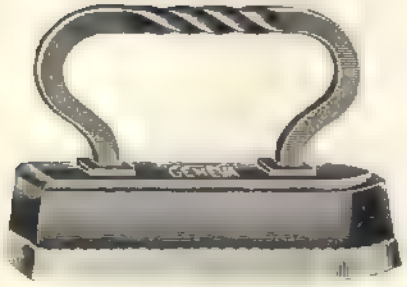
COMMON

Geneva—Cast Iron Base and Handle, Natural Finish Polished Face and Edges. Wrought Iron Shank. Weights 4, 5, 6, 7, 8, 9 and 10 lbs. Per pound $0 08

MRS. POTTS

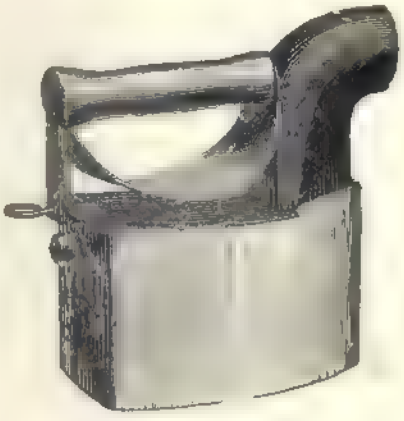
No. 50—Set Consists of Three Nickel Plated Double Point Irons Nos. 1, 2 and 3, one Iron Stand and one Detachable Handle, with Japanned Iron Stretcher and Walnut Case. Weight 14½ lbs. Per set $2 00
Six sets in a case

TAILORS' GEESE



Tailors' Geese—Cast Iron Base, Polished Face and Edges. Wrought Iron Twisted Handle. Weights, 14, 16, 18, 20, 22 and 24 lbs. Per pound $0 12

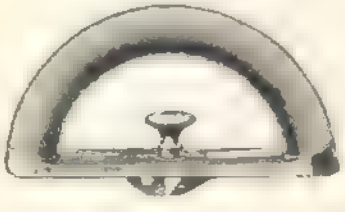
CHARCOAL



Self Heating.

No. 4—Polished Cast Iron Base; Cast Iron Top Piece and Chimney Nickel Plated. Hardwood Handle, with Tin Shield. Nickel Plated Draft Hole Cover. 4¼ inches wide, 9¼ inches long
..Weight 78 lbs. Per dozen $20 00

SAD IRON HANDLES

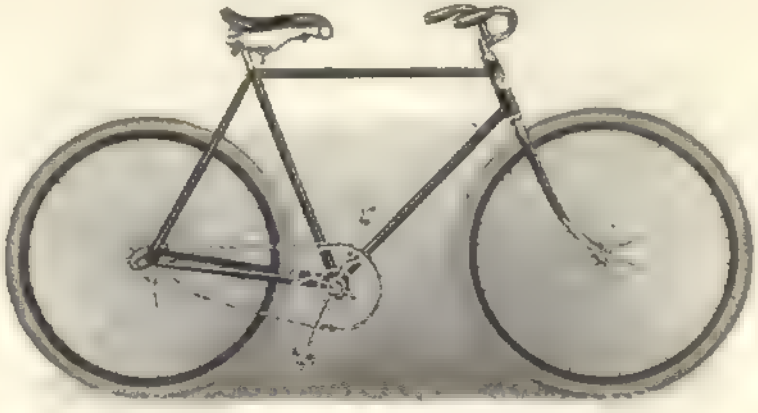


For Mrs. Potts Irons.

No. 1—Walnut Handle, Aluminum Finished Iron Stretcher .....Weight 5 lbs. Per dozen $1 50
No. 100—Walnut Handle, Tinned, Forged Iron Stretcher. " 5 " " " 3 50

HUDSON BICYCLES

MODEL 512. GENTS'



The Center Figure of the Model Number changes each year and denotes the year the Bicycle was manufactured

Model 512—Gents' Roadster. Heights 20, 22 or 24 Inches with Savage Special Tires. . . . . Each $40 00
Model 512— " " " 20, 22 " 24 " " Savage Puncture Proof Tires . . . . . " 40 00
Model 512— " " " 20, 22 " 24 " " G and J. Tires . . . . . " 45.00
Coaster Brake—On above Bicycles. Add each 5.00

SPECIFICATIONS.

Frame—Cold Drawn Seamless Steel Tubing, Flush Joints Throughout. Main Frame 19 Gauge 1-inch Tubing.
Wheel Base—42½ Inches.
Finish—Black Enamel with Double Gold Lines or French Grey with Red Lines. Nickel Plated Crown and Fork Tips.
Connections—Drop Forged Semi Arch Fork Crown. Extra Heavy Gauge Fork Sides, Strongly Reinforced. Extra Long Fish Mouth Reinforcements.
Crank Hanger—Celebrated D. & J.
Hubs—Hudson, Self Oiling. Turned from Solid Bar Steel.
Rims—Aluminum Finished with Garnet Stripes.
Sprockets—26 Tooth Front, 8, 9 or 10 Tooth Rear.
Chain—Diamond No. 31, ⅜-inch.
Handle Bars—Reversible. Extension 2½ Inch. Stitched Leather Grips.
Saddle—Eagle Peerless.
Pedals—Bridgeport Rat Trap.
Tool Bag—No 180 Grained Leather, Contains Wrench No. 10 and Oil Can.

MODEL 513. LADIES'

The Center Figure of the Model Number changes each year and denotes the year the Bicycle was manufactured.

Model 513 Ladies Roadster Heights 20 and 22 Inches with Savage Special Tires Each $40 00
Model 513— " " " 20 " 22 " with Savage Puncture Proof Tires . . . . . " 40.00
Model 513 " " " 20 " 22 " with G and J Tires " 45 00
Coaster Brake—On above Bicycles. . . . . Add each 5.00

SPECIFICATIONS.

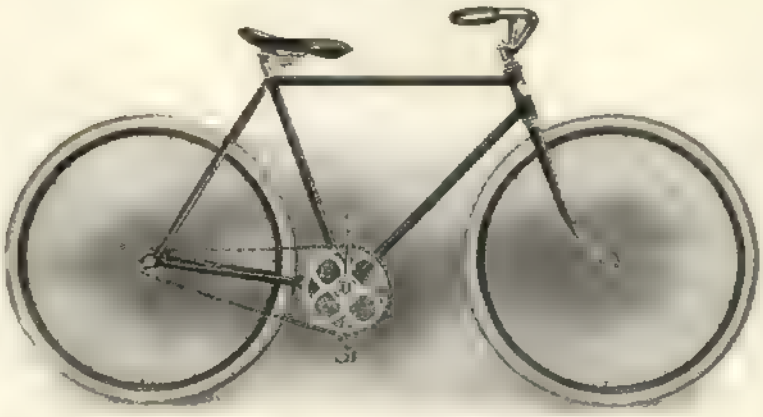
Frame—Cold Drawn Seamless Steel Tubing, Flush Joints Throughout. Main Frame 19 Gauge 1-inch Tubing.
Wheel Base 44 Inches
Finish—Black Enamel, Nickel Plated Crown and Fork Tips.
Connections—Drop Forged Semi-Arch Fork Crown. Extra Heavy Gauge Fork Sides, Strongly Reinforced. Extra Long Fish Mouth Reinforcements.
Crank Hanger—Celebrated D. & J. 6½ Inch Cranks.
Hubs—Hudson, Self Oiling, Turned from Solid Bar Steel.
Rims—Aluminum Finished with Garnet Stripes.
Sprockets—26 Tooth Front, 8, 9 or 10 Tooth Rear.
Chain—Diamond No. 31, ⅜-inch
Handle Bars—Straight Stem. Stitched Leather Grips.
Saddle—Wheeler, Extra.
Pedals—Bridgeport Rubber.
Guards—Enameled to Match Frame. Steel Chain, Wood Rear with Netted Lacing.
Tool Bag—No. 100, Contains Wrench No. 10 and Oil Can.

All above one in a crate. Average weight 45 lbs. per crate.

HUDSON BICYCLES

MODEL 514. GENTS'

The Center Figure of the Model Number changes each year and denotes the year the Bicycle was manufactured



Model 514—Gents' Roadster, Heights 20, 22 and 24 Inch	With Savage Roadster Tires	Each	$30 00
Model 514— " " " 20, 22 " 24 "	With Savage Puncture Proof Tires	"	30.00
Model 514— " " " 20, 22 " 24 "	With G. and J. Tires	"	35 00
Coaster Brake—On above Bicycles		Add each	5 00

SPECIFICATIONS.

Frame—Cold Drawn Seamless Steel Tubing. Flush Joints Throughout. Main Frame 19 Gauge 1-Inch Tubing.
Wheel Base—42½ Inches.
Finish—Hudson Red with Single Gold Strips. Nickel Plated Crown and Fork Tips.
Connections—Drop Forged, Semi-Arch Fork Crown. Extra Heavy Gauge Fork Sides strongly Reinforced. Extra Long Fish Mouth Reinforcements.
Crank Hanger—Hudson Special, Two Piece.
Hubs—Hudson Self Oiling, Turned from Solid Bar Steel.
Rims—Aluminum Finished, with Garnet Stripes.
Sprockets—26 Tooth Front, 8, 9 or 10 Tooth Rear.
Chain—Diamond No. 9, 3/16 Inch.
Handle Bars—Reversible. Extension, 2½ Inch. No. 75 Leather Grips.
Saddle—Sager Union.
Pedals—Standard Rat Trap.
Tool Bag—No. 200. Contains Wrench No. 10 and Oil Can

MODEL 515. LADIES'

The Center Figure of the Model Number changes each year and denotes the year the Bicycle was manufactured

Model 515—Ladies' Roadster, Heights 20 and 22 Inches	With Savage Roadster Tires	Each	$30.00
Model 515— " " " 20 " 22 "	With Savage Puncture Proof Tires	"	30 00
Model 515— " " " 20 " 22 "	With G. and J. Tires	"	35.00
Coaster Brake—On above Bicycles		Add each	5.00

SPECIFICATIONS

Frame—Cold Drawn Seamless Steel Tubing. Flush Joints Throughout. Main Frame 19 Gauge, 1-inch Tubing.
Wheel Base—44 Inches.
Finish—Black Enameled, Nickel Plated Fork Tips and Crown.
Connections—Drop Forged, Semi-Arch Fork Crown. Extra Heavy Gauge Fork Sides Strongly Reinforced. Extra Long Fish Mouth Reinforcements.
Crank Hanger—Hudson Special Two Piece, 6¾ Inch Crank.
Hubs—Hudson Self Oiling, Turned from Solid Bar Steel.
Rims—Aluminum Finished, with Garnet Stripes.
Sprockets—26 Tooth 3/16 Inch Front, 8, 9 and 10 Tooth Rear.
Chain—Diamond No. 9, 3/16 Inch.
Handle Bars—Chicago Adjustable Straight Stem. No. 75 Leather Grips.
Saddle—Garford No. 325.
Pedals—Standard Rubber.
Guards—Continuous Black Enameled, Net Lacing.
Tool Bag—No. 100. Contains Wrench No. 10 and Oil Can.

All above one in a crate. Average weight 45 lbs. per crate.

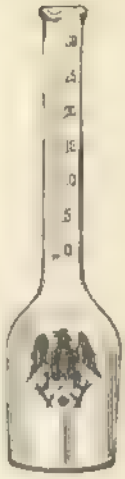
TEST BOTTLES

1000

1001

1011

1015


1005

1014

1007

Milk

		Each	Per Dozen
No. 1000	Babcock. Graduated 10% into 1/5%	$ .20	$1.50
No. 1001	" " 8% " 1/10%	.20	1.50
No. 1011	N. S. Wagner's Double Bore, Graduated, 1/100% for Skim Milk	.60	.
No. 1015	Ohlsson's Pat. " " " 1/20% " " "	.60	.

Cream

		Each	Per Dozen
No. 1005	Babcock, 6-in., Graduated, 30% into 1/2%	$ .25	$2.00
No. 1014	" 6 " " 50% " 1%	.25	2.50
No. 1006	" 9 " " 30% " 1/5%	.35	3.00
No. 1007	" 9 " " 35% " 1/20%	.35	3.00
No. 1008	" 9-gram " 50% " 1% Direct Reading	.35	3.00

No. 1008 has large capacity body, 9 C. C. of water and 17.5 C. C. of acid used.

1020

1025

PIPETTES

Directions for Using No. 1024 Automatic Pipette with the Babcock Test

The mouth is applied to the slanting tube and milk drawn up until it is above the glass cock, then the cock is closed and the measured milk is put into the test bottle. Should there be an overflow, same will be caught in the large glass overflow bulb or extension of slanting tube. This overflow bulb can be detached from the Pipette and emptied when desired

1042

1019

Milk and Cream

			Each
No. 1019	Plain Milk Pipette, 17.6 C. C.	Each	$0 20
No. 1021	" Milk and Cream Pipette, 17.6 C. C. and 18 C. C.	"	25
No. 1023	" Cream " 9 C. C.	"	20
No. 1020	Greiner Automatic " 17.6 C. C.	"	1 25
No. 1025	Russian " " 17.6 C. C.	"	1 25
No. 1024	Up-to-Date " " 17.6 C. C.	"	1 25

BAKER & HAMILTON

DIVIDERS

For Reading of Babcock Bottles with Steel Points — Made of Brass

Dividers — Each $0.45

MILK SAMPLERS

No. 1 Scoville's, with Automatic Valve, for taking Babcock Test Samples — Each $2.00

Milk Dipper

Milk Thief

No. 2—Milk Dipper, for taking complete test samples — Each $0 25
No. 3—Milk Thief, tinned copper, for taking test samples of milk.. " 1 00

COMPOSITE TEST JARS

With Glass Stoppers.

½ Pint	Per dozen	$1.50
1 Pint	"	2 00
1 Quart	"	2.50

With Tin Lightning Covers.

¼ Pint	Per dozen	$0 75
½ Pint		85
1 Pint	"	1 00

Sample Jar Brass Tags. Numbered — Each $0.03

MILK STIRRERS

SIMPLEX

Strongly made. Extra heavy rod with improved D handle.

Pattern	Each	Per Dozen
Cottage	$0 50	5 00
Lipped	50	5 00

Cottage Pattern

Lipped Pattern

SADDLES

MORGAN STYLE

No 55

MORGAN STYLE

No 55.

Tree—13 inch Muley or Horn.
Seat—Full covered.
Skirts—Fancy Embossed, 10x16 inches.
Stirrup Leathers—One inch.
Girth—Corded.
Stirrups—Three inch wood

Each $8.40

MOSBY STYLE

No 23.

Tree—13½ inches
Seat—Solid Seamed, Round Cantle, Round Hand Hold.
Fenders—8x16 inches
Tie Straps—One inch.
Stirrup Leathers—1¼ inches
Girth—Corded, Ring
Stirrups—Four inch Wood.

Each $12.70

MOSBY STYLE

No. 23.

TEXAS STYLE

RUSSET, No. 10

TEXAS STYLE

Tree—14 inches, Texas Covered Bars.
Seat—Sound stitched on.
Skirts—Tacked on Fancy Border, 8x13 inches.
Rig—Double 1 inch Straps.
Tie Straps—⅞ inch.
Stirrup Leathers—1 inch double around Stirrup.
Girths—Two Corded Ring.
Stirrups—Four inch Texas.
One of the neatest Saddles of this kind for the money to be found.

Texas Style No. 10 Each $14.70

McCLELLAN STYLE

Tree—Hide Covered, Regulation Style, with Brasses
Flaps—Sewed on, 13¼x14½ inches
Fenders—17x8½ inches.
Spiders—1¼ inches, Sewed.
Tie Straps—1¼ inch.
Cost Straps—⅝inch.
Stirrup Leathers—1¼ inch.
Girth—Corded.
Stirrups—Three inch Wood covered.

McClellan Style No. 2
Each $13.60

McCLELLAN STYLE

No. 2 Harness Leather only.

Write for our Special Catalog of Harness and Saddlery.

BRIDLES

No. 2S

No. 2S.

Cheeks—¾ inch
Blinds—Sensible or Cup.
Winker Brace—Round.
Crown Piece—⅞x¾ inch.
Reins—⅞ inch, Snap on one end
Throat Strap—¾ inch.
Front—Brass Band.
Rosettes—Brass.
Bit—Twisted Wire

Ornaments on Blinds.

No. 2S ..... Per dozen $26.00

IMPLEMENT

Cheeks—¾ inch.
Blinds—Extra Large and Heavy New Style Pigeon Wing
Winker Brace—¾ inch Buckle to Crown Piece.
Crown Piece—⅞x¾ inch.
Reins—¾ inch, Extra Long, Snap in End
Throat Strap—¾ inch
Bit—No. 47, Buckle in with Bit Strap
Bit Strap—⅝ inch.
Nose Band—⅞ inch.

This Bridle is made up with two Leather Loops on Cheeks. Leather Loops on all other parts hand sewed in. Are the best selling Bridles on the market.

No. 1 Implement ..... Per dozen $28.40

No. 1 IMPLEMENT

HARVEY

HARVEY

Cheeks—¾ inch.
Blinds—Sensible or Cup.
Winker Brace—¾ inch, Buckle to Crown Piece.
Crown Piece—⅞x1 inch.
Reins—¾ inch, Extra Long Snap on one End ... Buckle on other.
Throat Strap—¾ inch.
Face Piece—Waved and Ornamented.
Front—1 inch, Metal.
Rosettes—2 inch, Metal.
Bit—Twisted Wire.

Harvey ..... Per dozen $29.00

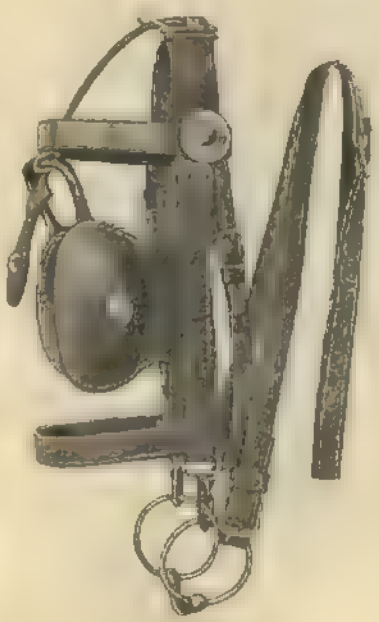
Can furnish with Red Blinds at same price.

No. 15.

Cheeks—1 inch, Imperial Snap to snap in Bit
Blinds—Sensible or Cup.
Winker Brace—Round, Red Patent Leather Face Drop
Crown Piece—1x⅝ inch.
Reins—1 inch, Snap on one End, Buckle and Billet on other.
Throat Strap—⅝ inch
Front—1 inch Brass Band.
Rosettes—Brass.
Bit—No. 47.
Nose Band—1 inch.

No. 15 ..... Per dozen $38.00

This Bridle is Brass Trimmed throughout and is made up with Harness Leather, Loops hand sewed in, Brass Ornamented, a good looker.



No. 15

Write for our Special Catalog of Harness and Saddlery.

BOX COFFEE MILLS

No. 300.

No.	Dimensions, inches.	Per dozen.
300	4x4½x4	$11.50

Half dozen in a Case.

No. 430 IRON TOP, WITH HANDLE

No.	Dimensions, inches.	Per dozen.
430	4⅜x4⅛x4¾	$11.50

Half dozen in a Case.

No. 555 RAPID GRINDER.

WOOD TOP, SUNKEN HOPPER

Canister Holds one Pound of Coffee.

No.	Dimensions, inches.	Per dozen.
555	5¼x6¾x7	$8.00

Half dozen in a Case.

No. 540 and 541 RAPID GRINDER.

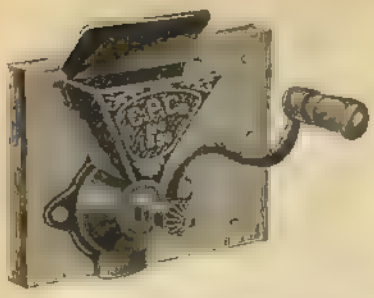
IRON TOP, WITH HANDLE

Canister Holds one Pound of Coffee.

No.	Dimensions, inches.	Per dozen.
540	5 x5 x6¾	$14.00
541	5¼x5¾x7¾	15.00

Half dozen in a Case.

SIDE COFFEE MILLS, WOOD BACK



No. 1350.

No 50, 60 and 70.

No. 350

No. 1350	Wood Back, Cast Iron, Japanned	Per dozen	$5.00
" 50	Small Size, Wood Back, Cast Iron, Sheet Steel Hopper, Japanned	" "	7.50
" 60	Medium " " " " " " " " "	" "	8.50
" 70	Large " " " " " " " " "	" "	10.00
" 350	Small " " " Coppered Iron	" "	8.00

No. 1350, one dozen in a Case; other numbers, half dozen.

COFFEE MILLS

No. 77.

ROYAL SIDE MILLS

Japanned Iron

No.		Dimensions, inches.	Per dozen.
77	With Cup	7½x9x14	$6.25
77½	Without Cup	6¼x9x14	5.55

Half dozen in a Case.

No. 0012.
UNIVERSAL SIDE MILLS

No. 0010 Height, 8¾ inches; same as 0012, but without Canister . Per dozen $9.00
No. 0012 Height, 13¾ inches; with Canister, as illustrated per dozen 11.00

Half dozen in a Case.

No. 0014
UNIVERSAL, TO CLAMP ON TABLE

No. 0014 Height, 11½ inches; without Canister, as illustrated Per dozen $11.00
No. 012 Height, 16¼ inches, same as 0014, but with Canister Per dozen 12.50

Half dozen in a Case.

No 00.

"ENTERPRISE" COFFEE MILLS

No. 00. TO SCREW TO WALL

Capacity of Hopper 4 ounces of Coffee. Grinds 6 ounces of Coffee per minute. Height, 9 inches. Weight, 6 pounds.

No. 00 "Enterprise" Each $1 25

Twelve in a Case

No. 0. TO CLAMP ON TABLE

Capacity of Hopper, 4 ounces of Coffee. Grinds 6 ounces of Coffee per minute. Height, 11⅝ inches. Weight, 6 pounds.

No. 0 "Enterprise" Each $1.50

Twelve in a Case.

No 0.

DOUBLE BITTED AXES

ROBERT MANN'S

Young's Pattern

Humboldt Pattern

California Reversible Pattern

Hand Made, Natural Gun Metal Finish. Extra Quality Crucible Cast Steel Bits. This Axe has been on the Market for over Forty Years and enjoys the Reputation of being the Best Double Bit Axe in the World. Warranted.

Robert Mann's

Young's Pattern, Unhandled

Weights, 3½, 3¾, 4, 4¼ and 4½ lbs. . Base. Per dozen $20.00

Humboldt Pattern, Unhandled

Weights, 3½, 3¾, 4, 4¼, and 4½ lbs . Base Per dozen $20.00

California Reversible Pattern, Unhandled

Weights, 3¼, 3½, 3¾, 4, 4¼ and 4½ lbs Base. Per dozen $20.00

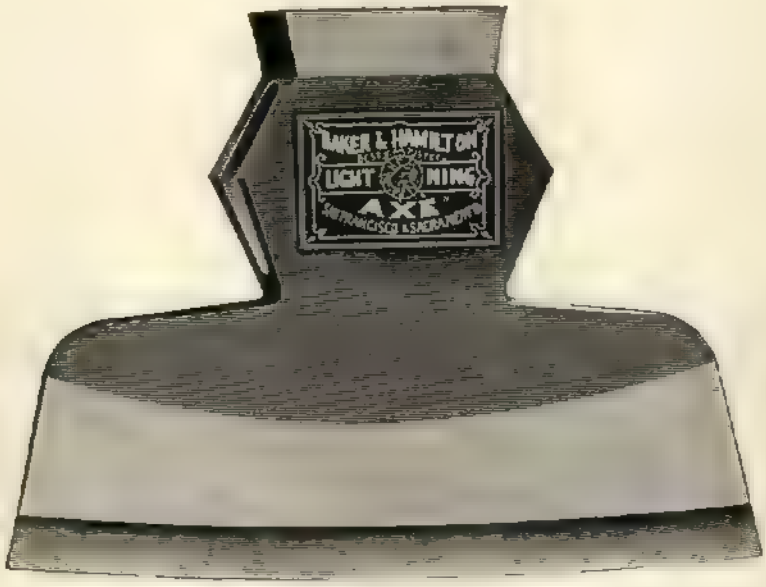
In ordering the above Axes, Specify Pattern and Weights wanted.

One dozen in a case. Average weight 60 lbs. per case.

For Warranty and Classification of Advances over Base Prices on Axes, see Page 2.

BROAD AXES

LIGHTNING



California Pattern

LIGHTNING—Gold Bronzed Body, Polished Head. Best Crucible Cast Steel Polished Bit. Ground Sharp Ready for Use. Warranted.

Width of Cut—Inch...	9½ to 11	11½ to 13½
Weight—Each, lbs	5 to 6½	7 to 9
Per dozen	$32 00	35 00

SHIP AXES

HUNT'S

Hunt's—Gold Bronzed Body, Polished Head. Best Crucible Cast Steel Polished Bit. Ground Sharp Ready for Use. Warranted.

Width of Cut—Inch	**5½ to 6½**
Weight—Each, lbs	5 to 6
Per dozen	$30 00

WHITE'S

White's—Black Body, Polished Head. Extra Quality Crucible Cast Steel Polished Bit. Ground Sharp Ready for Use. Warranted.

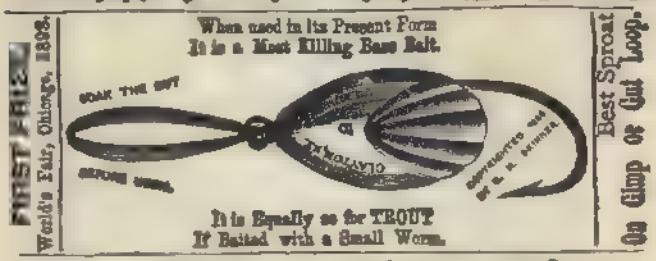
Width of Cut—Inch	5½ to 6½
Weight Each, lbs	5 to 6
Per dozen.	$48 00

All above one-half dozen in a case.

SKINNER'S CELEBRATED CASTING SPOONS

Skinner's New Casting Spoon.

With White Enamel Spoon this Bait will catch Bass when everything else fails



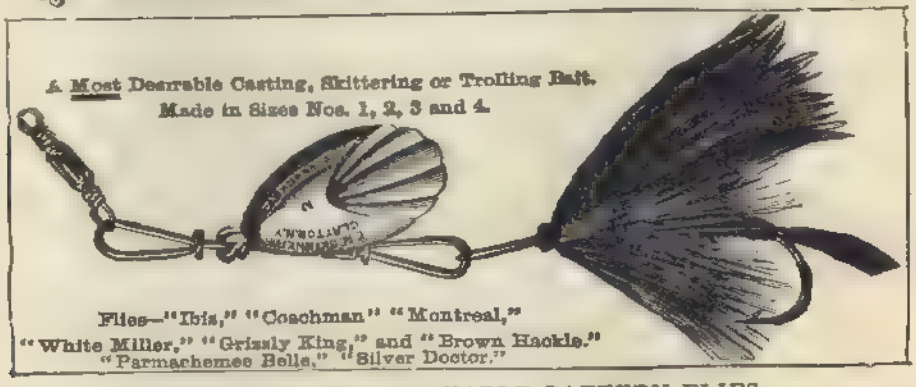
Include some White Enamel Spoons when making up your order.

Used With or Without Bait

		White Enamel or Nickel	Silver	Gold
No. 1.	Mounted on Bartlett's No. 1½ Sprout Hook, ... per dozen	$2.25	$5.00	$5.50
No. 2.	Mounted on Bartlett's No. 2-0 Sprout Hook, ... per dozen	2.25	5.00	5.50
No. 3.	Mounted on Bartlett's No. 3-0 Sprout Hook, ... per dozen	2.25	5.00	5.50
No. 4.	Mounted on Bartlett's No. 4-0 Sprout Hook, ... per dozen	2.25	5.00	5.50

SKINNER'S NEW "FLY" SPOON.

For Bass

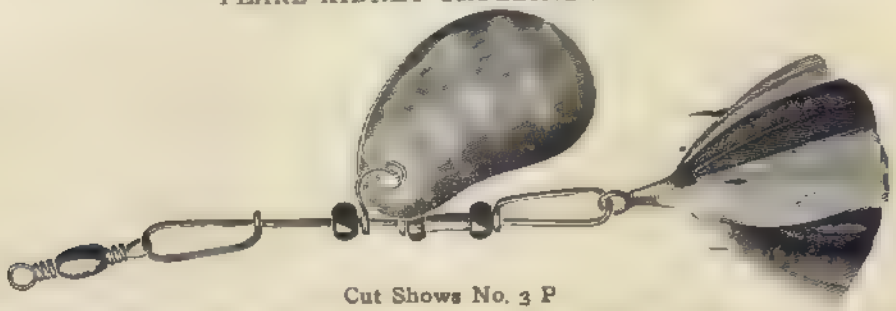


For Lake Trout

WITH INTERCHANGEABLE PATTERN FLIES

Best Quality Flies tied on Bartlett's Best Sprout Hooks. Nickel Spoon $4.00, Gold, $7.50 per dozen
Nos. 1 to 3 mounted with Fly or No. 1 Hook. Nos. 2, 3 and 4, are mounted with Flies on No. 1-0 Hooks.
Extra Flies, $1.25 per dozen.

PEARL KIDNEY TROLLING BAITS



Cut Shows No. 3 P

Best salt water Pearl Spoons, metal eyelets spun in the back, hollow point, extra filed Ringed Treble Hooks, special fine feathering on hooks. Spring brass snaps and best quality brass box swivels.

No.	Size of Spoons	No. of Hooks.	Per Dozen.
1 P.	1 inch long	6	$2.35
2 P.	1¼ inch long	2	2.35
3 P.	1½ inch long	1	2.35
4 P.	1¾ inch long	1-0	2.50
5 P.	2 inches long	4-0	2.75
6 P.	2¼ inches long	5-0	3.50

BUEL'S SPOONS

TWO-BLADED FLY SPOON

This bait has two kidney-shaped blades, one revolves to the right and the other to the left. Furnished in Rolled Silver Plate, Brass or Copper.

Nos.	9	8	7	6	5	4	3	
Length of each blade	¾	⅞	1⅛	1¼	1½	1⅝	2	inches
	$3.60	4.20	4.20	5.40	5.40	6.00	6.00	doz.

BUEL'S FLY SPOON

Furnished in Rolled Silver Plate, Brass and Copper Packed one half dozen in a box.

Nos.	9	8	7	6	5	4	3	2	1	1-0	2-0	
Length of blade	⅞	1	1⅛	1¼	1½	1¾	2	2¼	2½	2¾	3	inches
	$3.60	3.60	3.60	4.80	4.80	4.80	6.60	6.60	6.60	7.80	7.80	doz.

"JOLIET" SPINNER BAIT

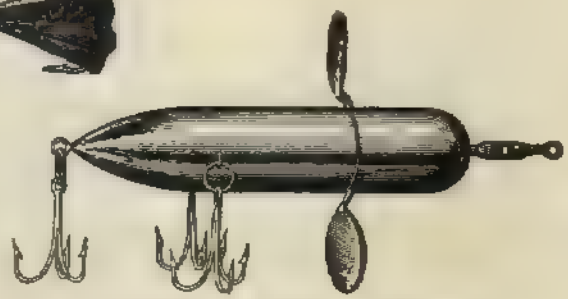
Length 5½ inches. This bait revolves in the water, and when in action is a perfect and exact imitation of a minnow. Used for bass and other game fish.

Per dozen..... $2.50

FLUTED CASTING SPOON

Finished with Fine Spear Pointed Sproat Hooks, fine quality Double Gut, Finished in Nickel and White Enamel or Copper.

	Per doz.
Nos. 1 2, 3. Nickel Plated Fluted Spoons..	$1.50
No. 4. Nickel Plated Fluted Spoons	2.00



ALUMINUM FISH PHANTOM

		Per doz.
72	3½ inches long, plaited	$12.00
72½	3½ inches long, polished	12.00

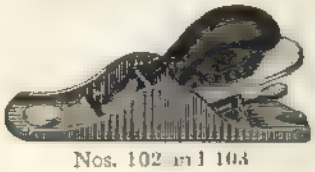
IRON BLOCK PLANES

Special Iron Bodies. Best Quality Tool Steel Cutters, Ground Sharp, Ready for Use.

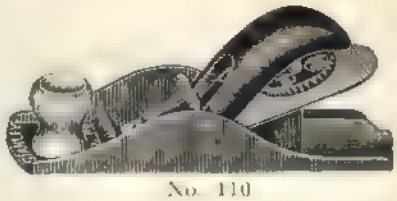
STANLEY

No. 101

No. 100

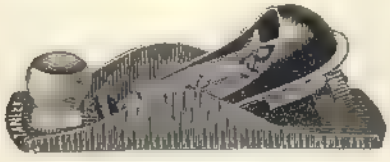


Nos. 102 and 103



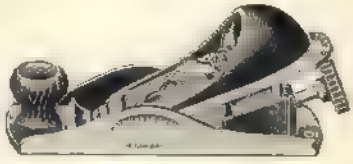
No. 110

No. 101	Length 3½ inches.	Cutter 1 inch.	Japanned		Weight ¼ lbs.	Each $0 20
No. 100	" 3½ "	" 1 "	"	With Iron Handle	" ⅜ "	" 25
No. 102	" 5½ "	" 1⅝ "	"		" ½ "	" 40
No. 103	" 5½ "	" 1¼ "	"	Endwise Lever Adjustment	" ½ "	" 55
No. 110	" 7½ "	" 1⅝ "	"		" ⅜ "	" 55



Nos. 120 and 220

No. 130



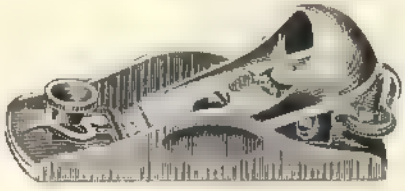
No. 203

No. 120	Length 7½ inches.	Cutter 1⅝ inches	Japanned.	Endwise Lever Adjustment	Weight 1⅜ lbs.	Each $0 75
No. 220	" 7½ "	" 1⅝ "	"	Endwise Screw Adjustment	" 1⅜ "	" .75
No. 130	" 8 "	" 1⅝ "	"	Double Ended	" 1⅜ "	" 75
No. 203	" 5½ "	" 1¼ "	"	Endwise Screw Adjustment	" 1¼ "	" .85

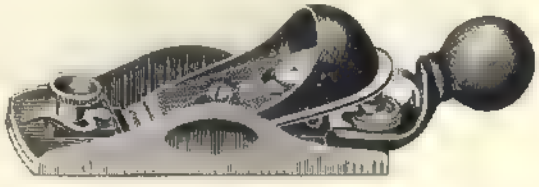
No. 101 Six; Balance one in a box

BAILEY ADJUSTABLE

With Throat, Endwise Screw and Lateral Lever Adjustments.



Nos. 9½, 15, 16 and 17



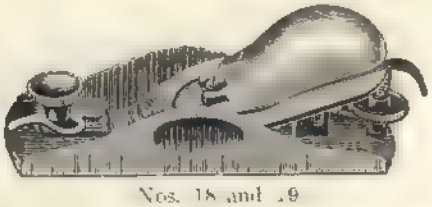
Nos. 9¾ and 15½

No. 9½	Length 6 inches.	Cutter 1⅝ inches.	Japanned Trimmings		Weight 1½ lbs.	Each $1.10
No. 15	" 7 "	" 1⅝ "	" "		" 1⅝ "	" 1 20
No. 16	" 0 "	" 1⅝ "	Nickel Plated Trimmings		" 1½ "	" 1 25
No. 17	" 7 "	" 1⅝ "	" " "		" 1⅝ "	" 1 35
No. 9¾	" 6 "	" 1⅝ "	Japanned Trimmings, Rosewood Handle		" 1⅝ "	" 1 30
No. 15½	" 7 "	" 1⅝ "	" " "		" 1⅝ "	" 1 40

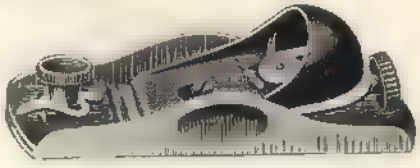
Knuckle Joint

Low Angle

With Throat and Endwise Screw Adjustments.



Nos. 18 and 19



Nos. 60, 60½, 65 and 65½

No. 18	Length 6 inches.	Cutter 1⅝ inches.	Nickel Plated Trimmings.	Lateral Lever Adjustment	Weight 1⅝ lbs.	Each $1 30
No. 19	" 7 "	" 1⅝ "	" " "	" "	" 1⅝ "	" 1.40
No. 60	" 6 "	" 1½ "	" " "		" 1¼ "	" 1 25
No. 60½	" 6 "	" 1½ "	Japanned Trimmings		" 1¼ "	" 1 10
No. 65	" 7 "	" 1⅝ "	Nickel Plated Trimmings		" 1⅜ "	" 1 35
No. 65½	" 7 "	" 1⅝ "	Japanned Trimmings		" 1⅜ "	" 1 20

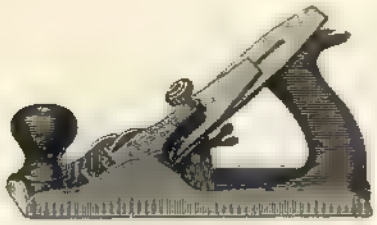
One in a box

For Extra Parts see Page 106.

ADJUSTABLE PLANES

STANLEY

Steel



Non-Breakable, Pressed Steel Bottoms, Japanned Inside. Rosewood Handle and Knob. Light Weight and Especially Adapted for Use on Soft Woods. Double Cutters, Adjustable Endwise by Lever. Japanned Iron Caps.

No. 104 Smooth—Length 9 inches. Cutter 2⅜ inches. Weight 3⅛ lbs. Each $2 05

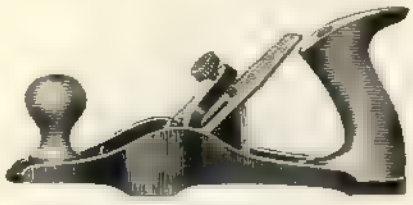
No. 105—Jack—Length 14 inches. Cutter 2⅜ inches. Weight 3⅞ lbs. Each 2.60

Low Angle Iron Block

Special Iron Body, Japanned Inside. Rosewood Handle and Knob. Adjustable Throat Opening. The Cutter is set on a very Low Angle, which is a Great Advantage when Working Across the Grain on Heavy Work, and is Adjusted Endwise by a Screw. Nickel Plated Cap.

No. 62—Length 14 inches. Cutter 2 inches. Weight 3⅝ lbs. Each $2 85

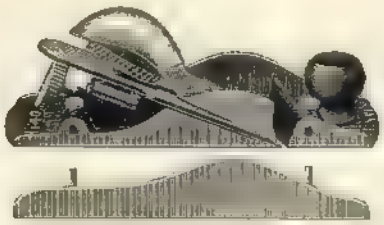
Furring



Special Iron Body, Japanned. Beechwood Handle and Knob. Japanned Iron Cap. This Plane is Used for Preparing Lumber as it comes Rough from the Mill, to Remove the Fur and Grit Before Using a Smooth Plane.

No. 340—Length 10 inches. Cutter 2 inches. Weight 2½ lbs. Each $1 65

Rabbet Block

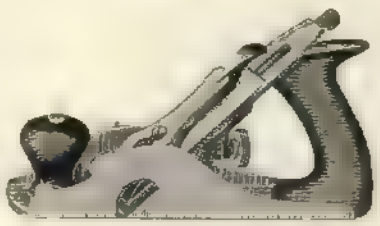


Special Iron Body, Polished Outside and Japanned Finished Inside. Nickel Trimmings. Rosewood Knob.

Has a Detachable Side, so that it may be Changed Easily and Quickly from a Block Plane to a Rabbet. The Cutter is set on a Skew, and has Endwise Screw Adjustment.

No. 140—Length 7 inches. Cutter 1¾ inches. Weight 1⅛ lbs. Each $1.40

Carriage Makers'



Special Iron Body, Japanned Inside. Rosewood Handle and Knob. Double Cutter, with Endwise Screw Adjustment and Lateral Lever Adjustment. Polished Lever Cap. Especially Designed for Heavy Work and Framing.

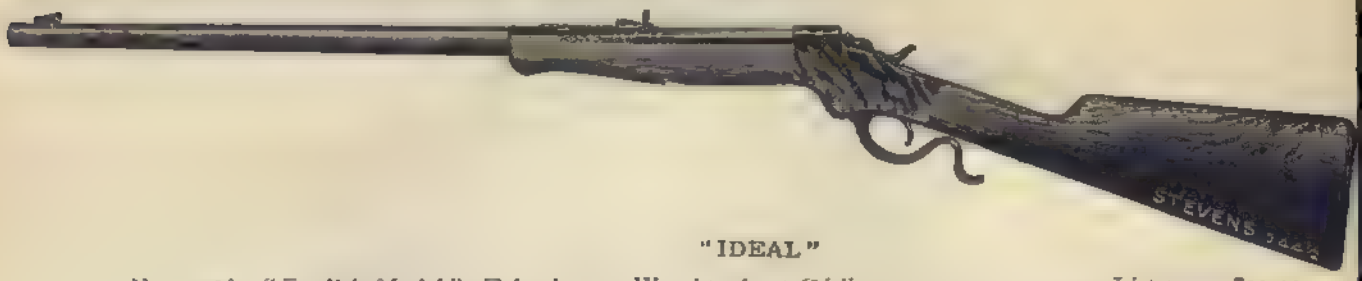
No. 10—Length 13 inches. Cutter 2⅜ inches. Weight 4¼ lbs. Each $3 30

No. 10½—Length 9 inches. Cutter 2⅜ inches. Weight 3 lbs. Each 2 75

All above one in a box.

For Extra Parts see Pages 105 and 106.

STEVENS SINGLE SHOT RIFLES



"IDEAL"

No. 044½. "English Model." Take-down. Weight, about 6½ lbs. .....List price, $12.00
Barrel — Half octagon; extreme tapered; length, rim fire 24 inches, center fire 26 inches.
Frame — Drop forged; case-hardened.
Action — Plain lever, automatic ejector in regular .22 caliber only; plain extractor in other calibers, drop-down breech block.
Stock — Walnut shotgun butt with rubber butt plate, length 13½ inches, drop 2½ inches, walnut fore end.
Sights — Rocky Mountain front and Sporting rear.
Ammunition — Rim fire, .22 long rifle, .22 short, .25 Stevens, .32 long; center fire, 25/20 Stevens, 32/20. Made to order at $2.00 extra list for .22 W. R. F., 22/15/60, 25/21, 25/25, 28/30/120.

MARBLE'S GAME GETTER GUN

One style of Marble Game Getter Gun Shoots all of the above Cartridges
Target Rifle — Pistol — Big Game Gun — Shot Gun

The Game Getter can be safely used with smokeless powder.
The .44 barrel is cylinder bored. The recoil is slight.
With the .44 barrel an average of 70 No. 8 shot and 125 No. 10 strike a 12 inch square at 50 feet. The No. 8 shot range from 60 to 80 per target. There are about 100 to the load.
Flying or running game can be bagged as easily as with any gun of its bore.
A .44 ball penetrates 7 inches of pine at 15 feet. Is sure to kill a deer or black bear up to 50 yards. Most deer are killed within 50 yards. We know of at least two deer having been killed during 1900 at about 100 yards, and a moose at 35 yards, with one shot from a Game Getter.
The .22 barrel shoots as strongly and accurately as any make or length of barrel of its caliber.
The Game Getter's utility, simplicity of construction, careful design, perfect safety, absolute reliability and superior accuracy are the qualities which are making it famous the world over.

No. B 12.	12 inch barrels, lock leaf sight, "gold" bead sight and holster	$15 00
No. B 15.	15 inch barrels, otherwise same as No. B 12.	16.00
No. B 18.	18 inch barrels, otherwise same as No. B 12.	17.00
No. A 12.	12 inch barrels, flexible rear sight, with target slide, lock leaf sight, "gold" bead sight and holster.	18.00
No. A 15.	15 inch barrels, otherwise same as No. A 12.	19.00
No. A 18.	18 inch barrels, otherwise same as No. A 12.	20.00

STEVENS SINGLE SHOT RIFLES

STEVENS "FAVORITE" RIFLE No. 27

No. 27. Take-down. .22, .25 or .32 caliber. Weight, 4½ pounds. 24-inch full octagon barrel. Automatic ejector in .22 caliber. Lever action blued frame, Rocky Mountain front and Sporting rear sights. Full oval walnut stock, rubber butt plate. Price, $6.00.

No. 17. Same specifications as above, except half octagon barrel. Price, $5.50.

"FAVORITE" TARGET MODELS

No. 18. Same specifications as No. 17, but fitted with Beach combination front, Stevens leaf and Vernier peep sights. List price, $8.00.

No. 28. Same specifications as No. 27, but fitted with Beach combination front, Stevens leaf and Vernier peep sights. List price, $8.50.

No. 19. Same specifications as No. 17, but fitted with No. 5 Lyman front, Stevens leaf and No. 1A Lyman combination rear sights. List price, $8.50.

No. 29. Same specifications as No. 27, but fitted with No. 5 Lyman front, Stevens leaf and No. 1A Lyman combination rear sights. List price, $9.00.

"FAVORITE" SHOTGUN

No. 20. Shotgun front sight, adapted for .22 or .32 rim fire SHOT cartridges, otherwise same as No. 17; automatic ejector in .22 caliber only. List price, $6.00.

STEVENS "IDEAL" SPORTING AND HUNTING RIFLE No. 44

Automatic Ejector in .22 Caliber

Half octagon barrel, oiled walnut stock and forearm, rifle butt, case-hardened receiver. Sporting rear and Rocky Mountain front sights. Made only in the following styles, to take the cartridges noted below.

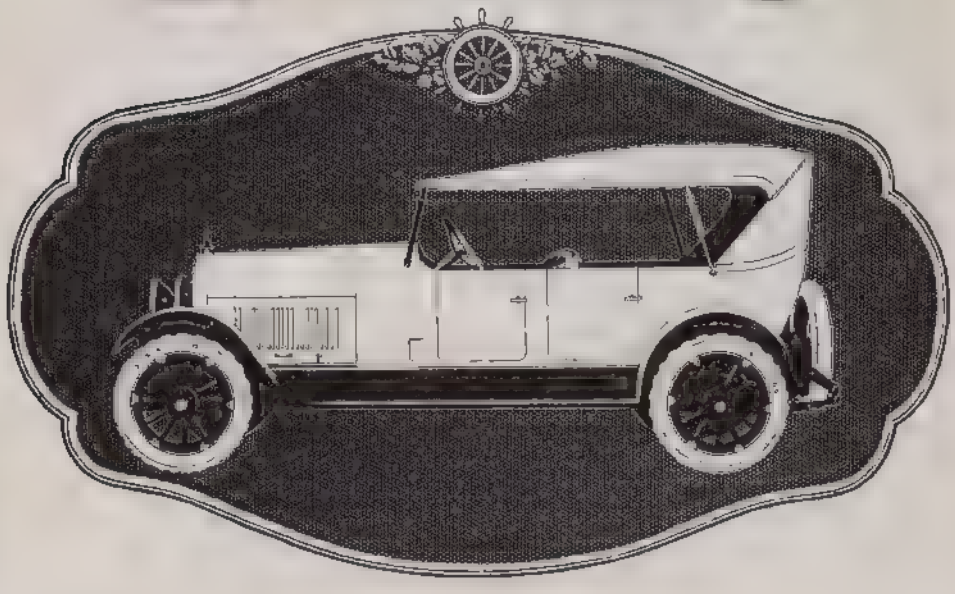
.22 Long-rifle R. F., .25 Stevens R. F. and .32 long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight, 7 pounds.

.25/20 Stevens C. F.; 32/20 C. F. Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¼ pounds. ..... List price, $10.00

Ideal No. 44½. Same style and appearance as No. 44 but with improved frame and mechanism, which, in rim fire with a 24 inch barrel is chambered for the .22 long rifle .25 Stevens and .32 long, and in center-fire with 26 inch barrel, is chambered for .25/20 Stevens, 32/20, and 32/40 cartridges ..... List Price, $12.00

Pilot

THE CAR AHEAD



Makes Friends of Owners

To be salable—to be a profit-maker for the dealer, the motor car of today must be beautiful—powerful—flexible—durable—economical in operation—moderate in first cost and low in after cost. But it must be more than that.

It must be built and sold by an organization which is able to meet existing conditions—which recognizes the importance of the problems confronting the dealer today.

The new PILOT SIX FIFTY is everything a truly fine motor car should be. It is built by a manufacturing organization which for twelve years had produced high-grade motor cars continuously and successfully.

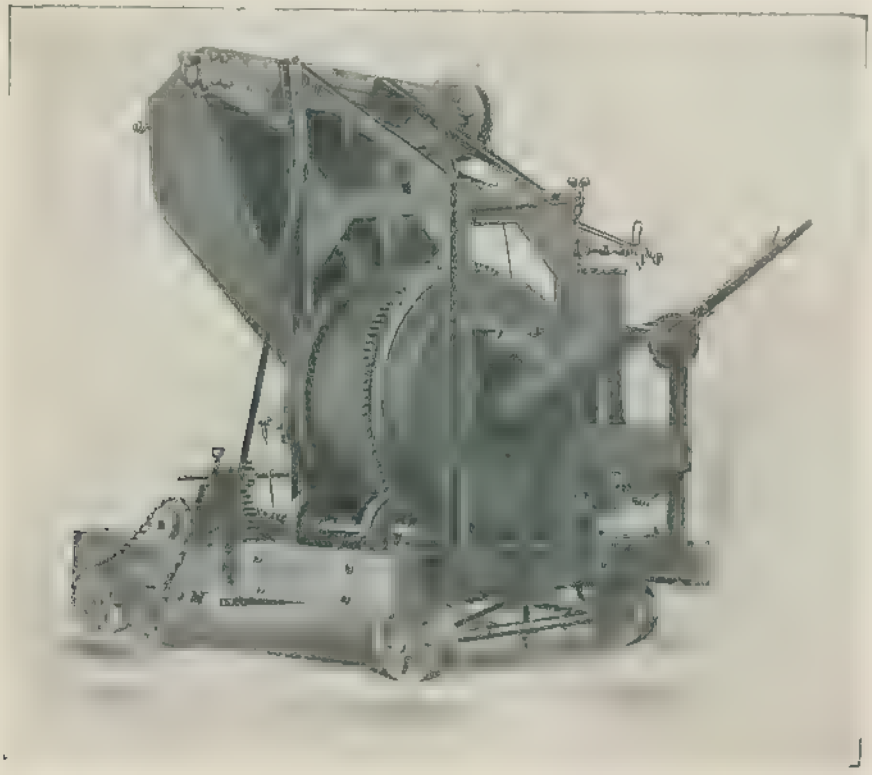
Recognizing the importance of present-day conditions, PILOT is prepared to lend every assistance to the dealer in the solution of his selling problems and in the development of business in greater volume.

PILOT MOTOR CAR COMPANY *Richmond, Ind., U.S.A.*

HERE'S THE NO. 60

RANSOME STREET MIXER

It means the entire elimination of some of your paving and road building troubles



Whether you are an official in a big city, or a small city, or a growing town or village, you have the problem of street construction and maintenance to face.

Do you know how much the No. 60 Ransome Street Mixer can do to reduce the cost of your pavements and roads and to make them more solid and durable?

The slip below, if cut off and mailed to the Ransome Concrete Machinery Co., Dunellen, N. J., will bring the "Ransome Red Book."

Cut Across Here

RANSOME CONCRETE MACHINERY COMPANY, Dunellen, N. J.

Please send to the address in margin below a copy of the "Ransome Red Book" as advertised in THE AMERICAN CITY.

"Enjoy a trip to Foreign America"

12 DAY ALL EXPENSE NORTHERN CRUISE $60.00 UP

Seeing the Wonderful Northlands and Foreign America

including all essential expenses, visiting HALIFAX, NOVA SCOTIA, the land of Evangeline, and ST. JOHNS, NEWFOUNDLAND, the Norway of America.

This cruise to these foreign lands on the new steamships "STEPHANO" and "FLORIZEL" of the

Red Cross Line

will prove the most novel, delightful and health-giving vacation you ever experienced. The foreign cities of Halifax and St. Johns, with the beautiful Nova Scotia and grand Newfoundland scenery, are sights never to be forgotten.

The ships are built especially for tourists; are fitted with every modern device to insure safety and comfort.

Splendid cuisine, orchestra and sea sports. You spend 7 days at sea and 5 days in port, giving ample time for sight-seeing. No hotel bills or transfers. You live on the ship. Send now for handsome booklet 18.

Reduced rates for superior accommodations in May and June.

BOWRING & CO., 17 Battery Place, New York

Rowe 3 Ton High-Speed Chassis, Equipped With 30 Passenger Bus Body

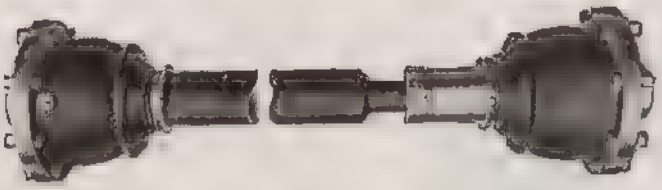
Complete line of passenger buses—1½, 2 and 3 ton capacity.
Bodies designed to carry 18 to 30 passengers.
Also complete line of commercial trucks—1½ to 5 ton capacity.
Valuable territory open to dealers.
Write for catalog.

Rowe Motor Mfg. Co.

LANCASTER, PA.

Spicer

UNIVERSAL JOINTS AND PROPELLER SHAFTS

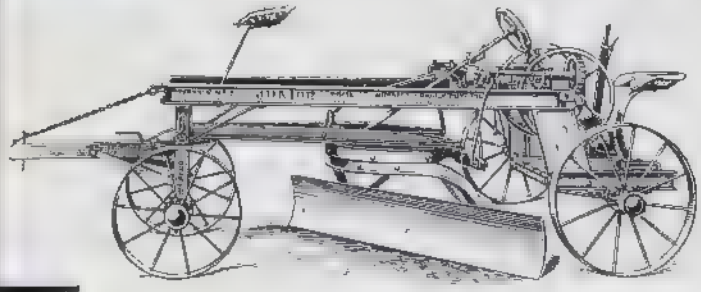


SPICER MANUFACTURING CORPORATION
SOUTH PLAINFIELD NEW JERSEY

Russell Road Machines
Most Efficient Line On Earth

THE RUSSELL MACHINES are fully warranted, not only as to material and workmanship, but we also guarantee satisfaction to the user. Such a warranty backed by Russell reputation insures every machine.

RUSSELL JUNIOR Reversible Road Machine



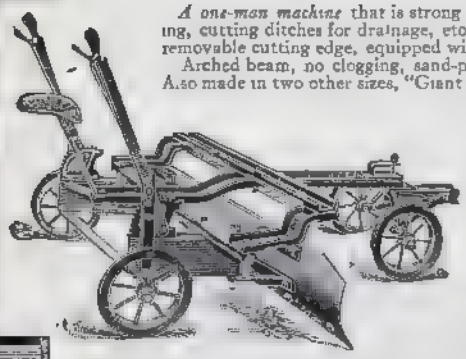
Most practical and efficient four-horse machine for general light road work. It has strength, durability and is just as complete in every detail of its construction as our larger machine, "Standard" or "Tractor Special". Receding platform; one-piece axle both rear and front; patented rear axle shift. Blade, 6 ft. Steel wheels with removable boxes, sand-proof hubs and hard oil cups. Weight, 1500 lbs.

This type machine also made in two large sizes. Standard Russell Reversible for eight horses, weight 3,000 lbs., and the Traction Special, for engine power, weight 3,500 lbs.

SIMPLEX RUSSELL Reversible Road Machine

A one-man machine that is strong enough for four or six horses. Has no equal in grading roads, eveling, cutting ditches for drainage, etc. All steel, full-sized blade, 7 feet, 3 inches long, 16 inches wide, removable cutting edge, equipped with flanged wheels to avoid skidding, and has no side draft.

Arched beam, no clogging, sand-proof hubs, powerful lever lifts, no neck weight, weight, 850 lbs. Also made in two other sizes, "Giant Simplex", 975, and the "Kid", 450. Free trial on request.

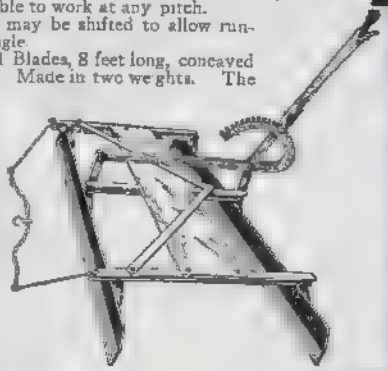


RUSSELL REVERSIBLE All Steel ROAD DRAGS

Combine strength, durability, efficiency and ease of operation. Blades are adjustable to work at any pitch.

The "Grab Link" may be shifted to allow running drag at any angle.

High Carbon Steel Blades, 8 feet long, concaved like a grader blade. Made in two weights. The one shown here is our No. 4, which is an ideal drag for two horses, while the No. 5 is especially adapted to work with four horses, and other heavy service.

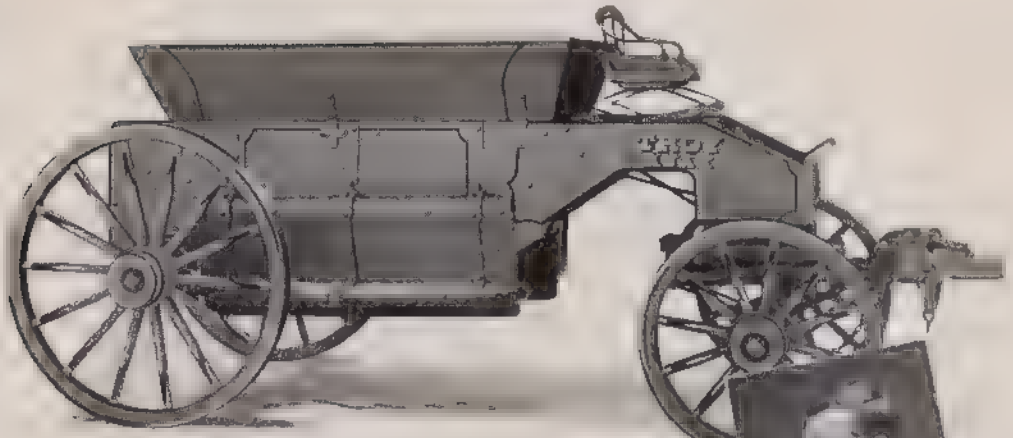


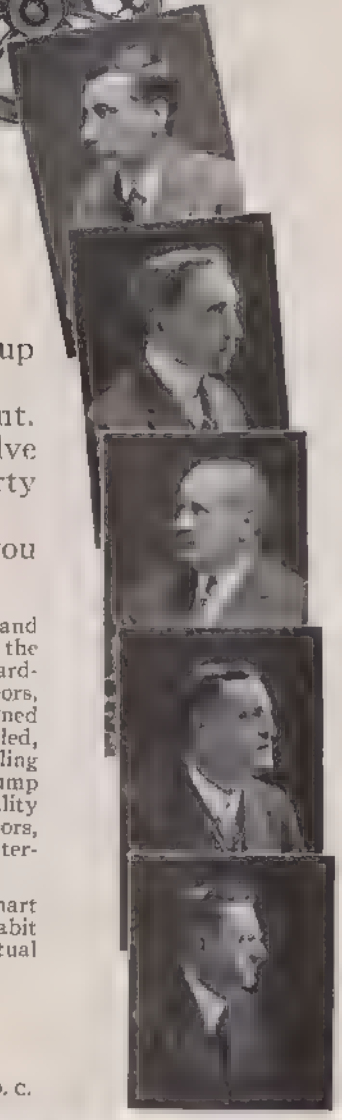
We make a full line of earth-handling and road-building machinery—Elevating Graders, Road Machines of all sizes and prices Buck Scrapers, Wheel and Drag Scrapers, Road and Railroad Plows, Road Drags, Grader Disc Plows, Snow Plows, Corrugated Metal Culverts, Culvert Molds, Steel Bridges, etc.

Our 72 page book on road machinery, with many pointers on road building, ditch construction, grade or embankment work, wagon loading, cost table, installing bridges with concrete floors, concrete culverts, etc. sent FREE. Write for it today.

RUSSELL GRADER MFG. COMPANY

2238 University Ave., S. E., Minneapolis, Minn.





Dignifying the Dump Wagon

Here are some of our Engineers. They have dug up bed-rock facts on Dump Wagon Construction.

What the contractor has to have is the starting point.

Ajax Dump Wagons are the result, with twelve major points of superiority and one hundred and thirty reasons for satisfactory service.

Hitch your team to an Ajax Dump Wagon and you are ready to tackle anything.

Ajax Dump Wagons are Today's Wagons—built by engineers after an actual study of contractors' requirements in the field. Guesses are taboo. Figures alone talk.

These men have investigated road and hauling conditions; have built Ajax Wagons to meet them on an engineering basis.

Drive up to a steam shovel with an Ajax without fear. Pull under a loading bin and take what comes, safely, surely. Pull away with an easy draught and the doors hold tight. Dump instanter with the positive, easy front wind device, move away with plenty of door and axle clearance and close up on the go. Arched axles. Water level yardage. Extra reinforced neck, doors, hinges and axles. Best air-seasoned timber throughout. Short-coupled, strong-tongued, low for shoveling and high for clearance—Ajax Dump Wagons are the wagons of quality and durability. Self-raising doors, optional wooden or steel, and interchangeable.

Send for the Ajax Point Chart 2AC. Don't buy wagons by habit or accident—buy them by actual comparison of merits.

The Troy Wagon Works Company

TROY, MIAMI COUNTY, OHIO

NEW YORK	CHICAGO	DETROIT	WASHINGTON, D. C.
50 Church St.	Lytton Bldg	319 Hammond Bldg.	505 Rigge Bldg

Troy Dump Wagons Reversibles Farm Wagons Trailers

When writing to Advertisers please mention THE AMERICAN CITY.

The City of St. Paul's Thawing Outfit

The City of St. Paul has discovered a new and very profitable use for the TROY Trailer.

They have mounted a special generating outfit on a TROY 1½ ton Trailer. It thaws out frozen water pipes in ten minutes as against three hours under any previous method. By using a Trailer for this purpose, the truck is available for other work except for a very few days in the year.

TROY Trailers are especially suitable to municipal work. Nearly every city needs TROY Trailers to deliver the full efficiency of their motor trucks.

Get Catalogue 4-A.C.

The Troy Wagon Works Company

Troy, Miami County, Ohio

New York
1876 Broadway

Detroit
113 First Street

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331 Amer. Nat'l Bank Bldg.

Washington
505 Rigga Building

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49 Pall Mall

Unseen Strength

In concrete roofs and floors, in plaster ceilings and partitions, in stucco walls and sidings—for countless structures of every size and kind, from silo to factory building, from residence to skyscraper—Hy-Rib is the unseen strength.

HY-RIB

is a steel sheathing, combining in a single unit, lath, studs, reinforcement and forms. Hy-Rib construction insures permanence, fireproofness and economy. Its use is simplicity itself. The easily handled sheets are fastened to the supports, and the plaster or concrete is applied. All forms are eliminated.

No matter what you intend to build, it will pay you to learn about Hy-Rib. Write for Hy-Rib Handbook—Free.

TRUSSED CONCRETE STEEL CO.
Dept. H 6
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HY-RIB SIDINGS, PARTITIONS, ETC.
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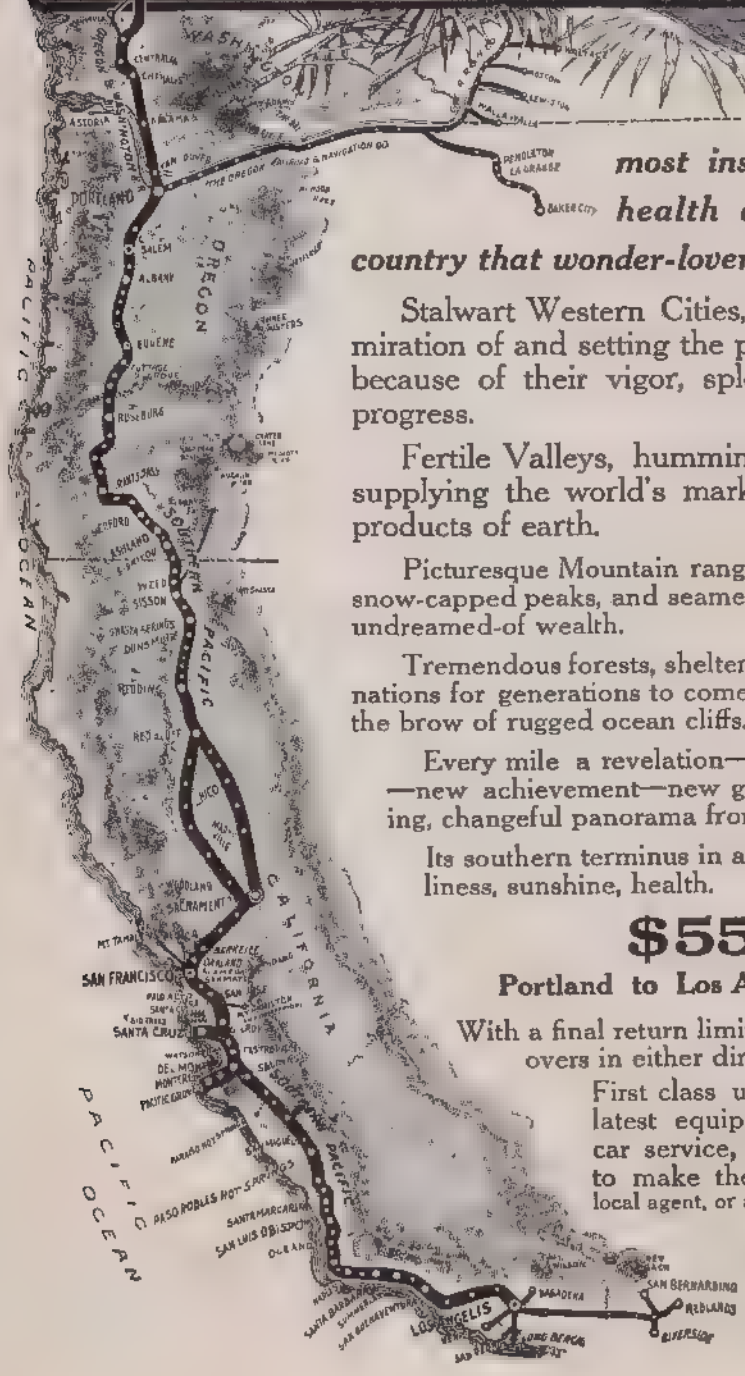
TRUSSED CONCRETE STEEL CO.

CALIFORNIA

VIA THE ROAD OF A THOUSAND WONDERS



1500 miles through the most inspiring, educational, health and wealth giving country that wonder-lover can imagine.

Stalwart Western Cities, commanding the admiration of and setting the pace for all the nation, because of their vigor, splendid enterprise and progress.

Fertile Valleys, humming with industrial life, supplying the world's markets with the choicest products of earth.

Picturesque Mountain ranges, studded with famous snow-capped peaks, and seamed with mineral ledges of undreamed-of wealth.

Tremendous forests, sheltering the lumber supply of nations for generations to come, miles and miles along the brow of rugged ocean cliffs.

Every mile a revelation—new coloring—new life—new achievement—new greatness; a vivid, absorbing, changeful panorama from start to finish.

Its southern terminus in a land of semi-tropic loveliness, sunshine, health.

$55.00

Portland to Los Angeles and Return

With a final return limit of six months, and stopovers in either direction.

First class up-to-date trains, with the latest equipment, unexcelled dining car service, and everything that goes to make the trip pleasant. Call on local agent, or address

WM. McMURRAY
Gen. Passenger Agent
PORTLAND OREGON

Nearly A Hundred Watsons
in Use by One City

Real Ash Wagons

Here are a few carloads of 5-yard special Watson Ash Wagons. Twenty such carloads of Watsons are in use by the Rochester Department of Public Works. They are used to collect the city's ashes and refuse.

In the last issue of AMERICAN CITY we published a list of about one hundred cities in all parts of America that are using Watsons.

This is the wagon you can't buy on competitive bids where low price is the main thing. It may take a little courage for you to insist on Watsons—but you'll be glad of it in the end. Better get the printed matter. It may give you a new viewpoint on the dump wagon proposition. Try it.

WATSON WAGON COMPANY
CANASTOTA, N. Y.

The World's Largest Builders of Dumping Wagons

BRANCH OFFICES:

NEW YORK, 256 Broadway
PHILADELPHIA, 604 Witherspoon Building
PITTSBURGH, 1102 Farmers' Bank Building
BUFFALO, 1377 Main Street

WILLAMETTE
IRON & STEEL WORKS.

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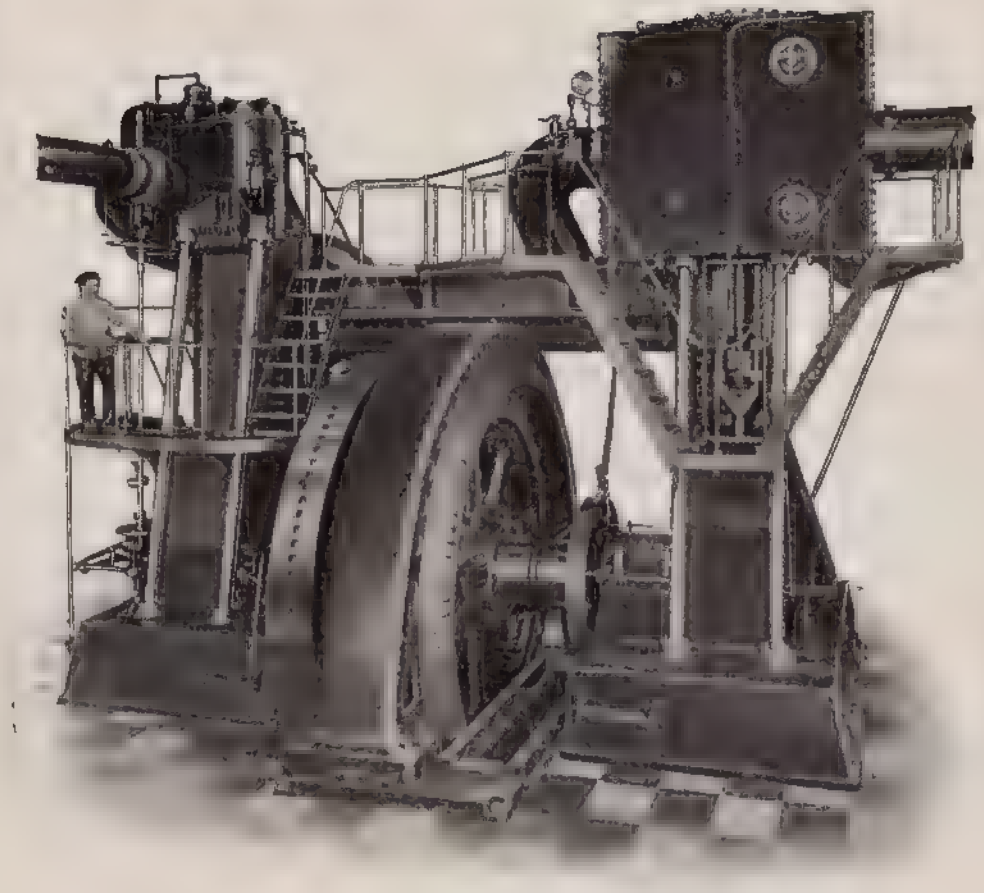
PORTLAND, OREGON, U.S.A.



26"—53"—36" STROKE

Direct Connected Electric Lighting Engines

Two of these built for the Portland General Electric Co.
2200 Horse Power each.

The September

American Boy

"The Biggest, Brightest, Best Magazine for Boys in All the World

Price 25 Cents

A Town as It Ought to Be—*By Harrison Cady*

STORIES of RAILROADING, FLYING, TAKING NEWS FILMS, A SEA "GHOST"

A Boy's Chance to Become an Athletic Coach—Football Changes This Fall—Broadcasting Secrets

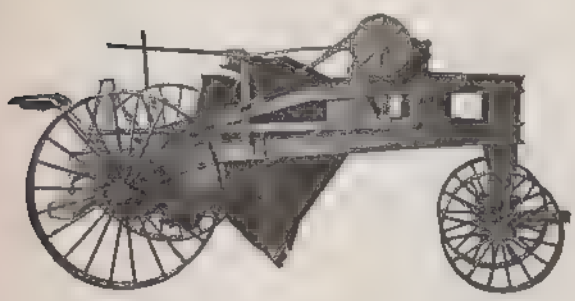
THE BAKER MANUFACTURING CO.

SPRINGFIELD, ILLINOIS

Earth Moving Specialties, Road Tools and Snow Plows

Baker Maney Self-Loading Scrapers, Baker Backfillers, Rotary Scrapers, Road Maintainers and Snow Plows for Motor Trucks and Tractors

BAKER MANEY SELF LOADING SCRAPERS



Baker Maney Scraper Model 'D" 1¼ C. Yd

Baker Maney Self Loading Scrapers are used directly behind a tractor in single units or in trains of four to six scrapers. They are made in two sizes: Model "D" 1¼ yard capacity and Model "H" ¾ yard capacity

Power Required to Load—A tractor developing 25 to 30 H P. at the draw bar should load and haul three to four Model "D" Scrapers. Tractors of 40 H P. at draw bar should handle four to six Scrapers. Model "H" Scrapers are handled by tractors up to five ton in trains of two or three scrapers.

Number of Men Required—One scraper man and one tractor operator are all that is required on a three scraper train On trains of four to six scrapers, two men are needed

Short Turning—A train of Baker Maney Scrapers turns in a space of twenty feet. Perfect trailing is accomplished with even the longest trains, holding the scrapers in alignment at all times.

Loading—Both models of scrapers in trains are loaded by the tractor one at a time In the case of a long train the man on the first scraper drops the pan for loading As soon as the pan is filled he throws in the wheel clutches which cause the pan to rise and at once passes to the third scraper, the pan on the first scraper continuing to rise until automatically tripped to loaded position. The man on the second scraper goes through the same operation and passes to the fourth scraper, and so on until all are loaded. Two men handle any length train, loading a scraper every fifteen seconds

Dumping—The scrapers are dumped instantly from the rear, one at a time as they pass the operator, by simply pulling a chain attached to a lever which releases the pin connecting end gate and pan very similar to dumping arrangement on steam shovels.

Yardage—The following table of yardage pertains to a four scraper train of Model 'D' 1¼ cubic yard Scrapers making five cubic yards to a trip. Three, five and six scrapers will move yardage in proportion

Length of Haul in feet	300	500	700	900	1100	1320
Average round trip time in minutes	4¾	5¾	6¾	7 65	8¾	9¾
Number trips per 10-hour day	126	104	90	78	70	63
Cubic Yards per 10-hour day	630	520	450	390	350	315

The above table is not to be accepted as an infallible guide but will give a good idea of yardage to be expected under average conditions where there are no unexpected delays. Model 'H" ¾ yard scraper will move in proportion to its capacity.

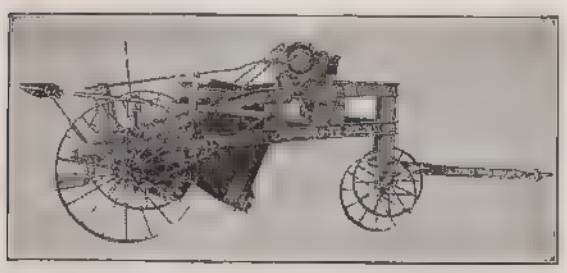
Oiling Facilities—All wheel boxings as well as the king pin are equipped with Alemite fittings for quick lubrication thus dispensing with the necessity of removing the wheels or other parts for greasing or oiling This is in addition to regular oil cups.

Packed Fill Little Settlement—Experience of all Engineers and Contractors with fills made with Baker Maney trains show that there is practically no settlement on a "Maney" fill due to the roller like action of the heavy scrapers, which tamp the loads in shallow layers

Train of Baker Mareys being loaded

THE BAKER MANUFACTURING CO.

BAKER MANEY SELF LOADING SCRAPERS (Cont.)



Baker Maney Scraper Model "H" ¾ Yd. Capacity

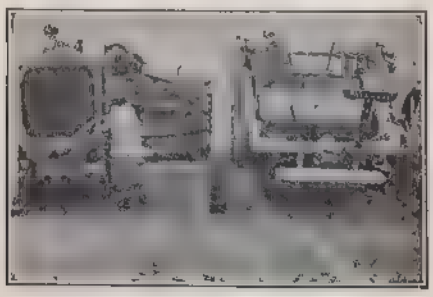
How Road Contractors Use Them—Road Contractors use Baker Maney Scrapers on cut and fill work on road construction and very often on widening roads in connection with blade graders. They are also extensively used for cleaning up grade in front of the mixer on permanent road construction.

Road Officials' Use for Baker Maneys—While Road Officials use the scrapers in the same manner as contractors on grade reduction work, they find that they can carry along one or two scrapers with their blade grader and tractor outfit using the same force of men. When there is dirt to move, they unhitch the grader from the tractor and proceed to move the dirt. Since they are especially constructed for heavy tractors, the combination of grader and scrapers saves the expense of an additional crew of men

Brief Specifications

		Model D	Model H
Wheels	Tires	6 in.	6 in.
	Diam. (Front)	30 in.	24 in.
	Diam. (Rear)	46 in.	42 in.
Axles		2½ in. Sq.	2 in. Sq.
Wheel Base		7'—10½"	6'—7"
Weight		4200 Lbs.	2550 Lbs.

Tongue—Model D has cast steel tongue of unusual strength
Model H has 4 in. steel channel reinforced with T iron



Baker Maney Train turning in 18 foot pace

BAKER ROTARY SCRAPERS

Baker One Man Rotary Scraper
Dumping Position

The Baker One-Man Automatic Rotary Scraper is made for use behind any tractor, for short haul dirt moving.

One Rope Control—All operations are controlled with one rope in the hands of the tractor operator. This rope controls a lever which causes a latch to engage or disengage with stop on a center control circle on the scraper pan

Full Revolving Bowl—With the Baker Rotary Scraper the bowl makes a complete revolution in passing from one loading position to the next

Automatic Draft Control—By means of the draft control the scraper pan automatically rises to loading position when it is fully loaded. This saves time for the operator and allows the scraper to be operated without stopping to load.

No Backing Up To Dump—Dumping or spreading is done by simply pulling the rope and disengaging latch from stop while still moving forward. No stopping for backing up is necessary

Four Sizes—The Baker Rotary Scrapers are made in four sizes as follows.

No. 4—4' Wide	Weight 490 lbs
No. 5—5' Wide	Weight 540 lbs
No. 6—6' Wide	Weight 940 lbs
No. 7—7' Wide	Weight 1635 lbs

Baker Rotary Scraper Dumping Load

THE BAKER MANUFACTURING CO.

BAKER BACKFILLER
(or Bulldozer)

Baker Backfiller for Fordson

Baker Backfillers or Bulldozers are made for attachment to the leading makes of industrial tractors.

Uses—They are used for a variety of work including backfilling of trenches and ditches, leveling city dumps, pushing dirt over fills, filling in around bridges and other classes of work involving the pushing of material ahead.

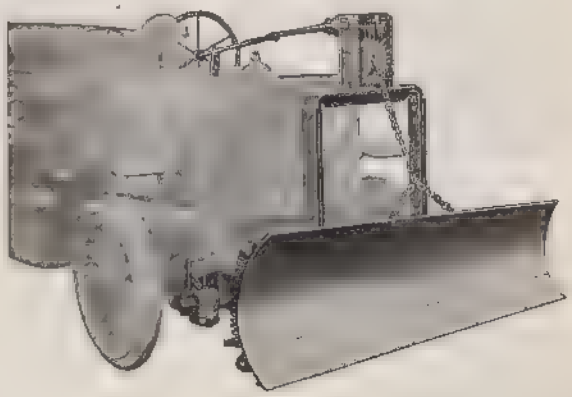
Various Types—While every Baker Backfiller consists of a blade attached ahead of the tractor, the manner of attaching to the tractor will vary with the make and model of the tractor used. They are made to fit the tractor usually without drilling of holes and provided with a lifting device for transporting the backfiller from job to job.

On Road Work—The use of Baker Backfillers or Bulldozers on road work is mainly that of pushing dirt over banks after being deposited by dump wagons or trucks. Another effective use of Baker Backfillers is that of filling in around bridges. They are very often used for spreading stone or gravel after being dumped on the road bed. On road work where grading is done over a series of short and steep hills, the Backfillers used with the heavier tractors are exceptionally valuable. The dirt in this case is plowed and then pushed directly ahead down the steep banks without the necessity of transporting the dirt in scrapers or wagons.

Information on the various types of Baker Backfillers will be furnished by the manufacturer on request.

Special type Baker Backfiller at work

BAKER SNOW PLOWS



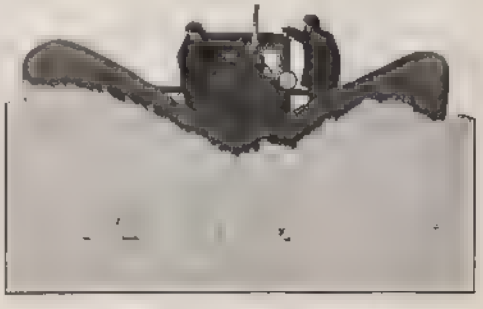
Baker Auto Truck Snow Plows

Baker Snow Plows are made for attachment to any standard motor truck or leading industrial tractor in straight blade or "V" types.

Auto Truck Snow Plows—This is the straight blade type for attachment to any motor truck by means of axle clamps and adjustable frame. It is equipped with patent tripping blades in two-foot sections, spring supported, and hinged to the blade proper. They spring back when striking obstructions such as manhole covers, crossings, etc. Worm and worm gear lifting device is attached to the frame and controlled from cab of truck providing easy raising of plow. They are made in two sizes with 8 foot and 10 foot blades.

Baker "V" Truck Snow Plows—This type has the same axle clamps and adjustable frame for attaching to any truck as the Auto Truck Snow Plow. The plow is 36 inches high and cuts a path nine feet wide. This type plow is also made with adjustable wings which permit moving snow to a width of fifteen feet.

Tractor Snow Plows—Baker Snow Plows both "V" and blade type are made for attachment to leading industrial tractors. The plows for the lighter tractors are made with worm and worm gear lift with hand wheel. The plows for 5 and 10 ton tractors are built with frame around the tractor, connection being only on tractor draw bar. They are lifted by means of a hydraulic pump located near driver's seat.



Baker "V" Tractor Snow Plow

Write for Illustrated Catalog on BAKER *Snow Moving Equipment*

IT show various tractors, trucks and horse-drawn models as used in State Highway, City, Country, Park, Cemetery, University and large Industrial snow clearing work. For 15 years BAKER Equipment has been considered standard and foremost.

Baker Auto Truck Snow Plow, as illustrated here, provides an efficiency, an economy unlike that of any other for it universally fits all standard motor trucks, old or new, without drilling or changing front end construction.

The only snow moving device with the patent sectional safety tripping blades. Prevents shock or injury to the plow or truck in passing over manholes or other irregularities on pavements.

Write for descriptive literature and prices.

The BAKER MANUFACTURING CO.
503 Stanford Avenue, SPRINGFIELD, ILLINOIS

THE BARNES MANUFACTURING COMPANY

MANSFIELD, OHIO

Distributors in All Principal Cities

Contractors Portable Pumps and Compressors

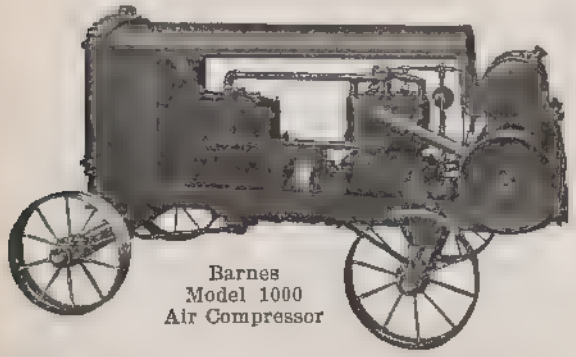
Road Builders' High Pressure Pumps for Water Supply on Concrete Road Construction. Portable Air Compressors, Diaphragm Trench Pumps and Plunger Trench Pumps, Piston and Plunger High Pressure Force Pumps and Centrifugal Pumping Units.

HIGH CAPACITY CENTRIFUGAL PUMPS

BARNES MODEL 706 CENTRIFUGAL PUMP
Pumping 2,500 gals. per min. at 14 ft. lift

Barnes Centrifugal pumping Units are recommended for handling large volumes of water from trenches and excavations. The pump and engine shafts are direct connected through a durable coupling, the pump being maintained in perfect alignment by means of an intermediate casting between engine and pump shell. Special cradle blocks support the weight of the pump and suction line Furnished in 12 sizes from 4 inch to 10 inch suction.

PORTABLE AIR COMPRESSORS



Barnes
Model 1000
Air Compressor

Barnes Portable Air Compressors are designed to meet the heavy requirements of construction work. They are mounted on steel or rubber tired wheels, with cast steel frame, large radiator area, receiver and gas tank. The compressor and engine are direct connected through a flexible shaft coupling. The complete unit is housed with sliding panel sides. Built in two sizes, 118 cu. ft. and 160 cu. ft.—90 to 100 lbs. pressure.

POWER DIAPHRAGM PUMPS
The Most Economical Trench Pumps

Barnes Power Diaphragm Pumps are built in single and double 4 inch sizes also single 3 inch size, with capacities from 5,000 Gal. per hour for the 3 inch units, to 12,000 and 22,000 Gal. for the 4 inch units.

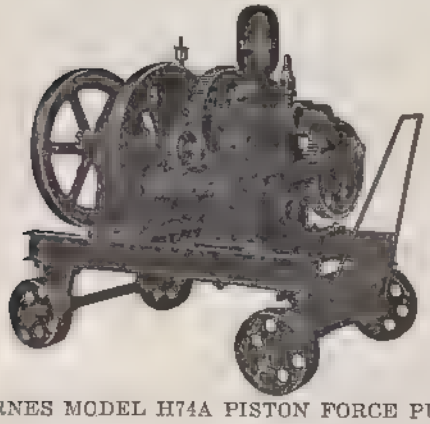
BARNES MODEL H 302S DIAPHRAGM PUMP

The single and double 4 inch Anti-Splash Pumps are equipped with special accessible valves, drop forged steel crankshafts, babbitted take-up bearings and extra heavy stub tooth gears which insure long and reliable service. Diaphragms give long service in these pumps and can be replaced without disturbing the spout or working parts of the pump. This feature is found on no other pump of this kind

Powered with Le Roi engines fully housed or with Fuller & Johnson or Hercules Horizontal engines

THE BARNES MANUFACTURING COMPANY

PORTABLE FORCE PUMPS

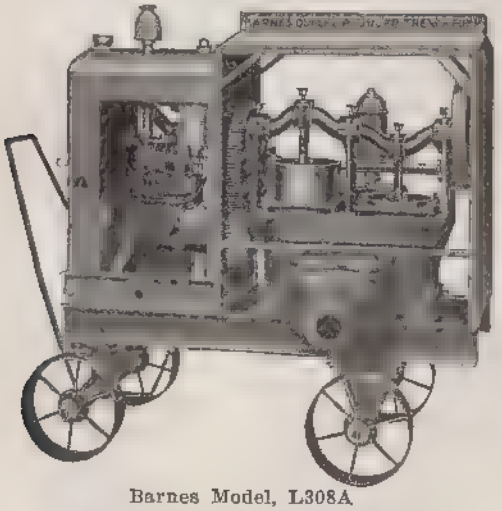


BARNES MODEL H74A PISTON FORCE PUMP

Barnes Piston and Plunger Force Pumps are used to jet piling into place, also for general water supply systems on construction work. Built in 10 sizes with pressures from 125 lbs. to 500 lbs. and capacities from 15 Gal. to 60 Gal. per minute.

Powered with Le Roi or Hercules or Fuller & Johnson Engines.

PLUNGER TRENCH PUMPS



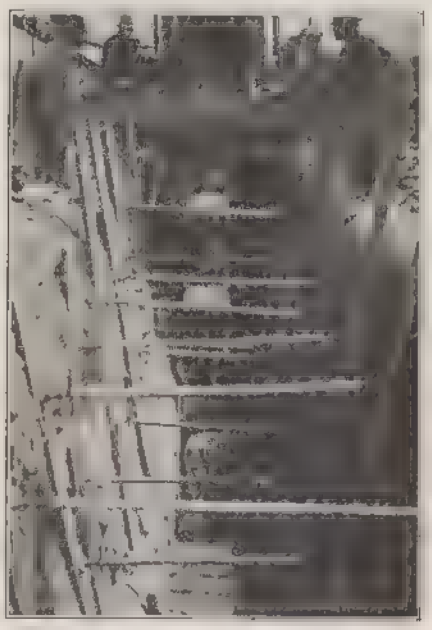
Barnes Model, L308A
DUPLEX PLUNGER TRENCH PUMP
Capacity 1200 1500 Gallons Per Hour

Barnes Plunger Trench Pumps are built for special high vacuum pumping such as handling well point systems or open pit pumping where a high suction lift is required. The Duplex Plunger Trench Pump will produce a 26 inch vacuum. These pumps are used extensively to handle Sludge in sewage disposal plants on account of their strong suction, non-clogging ball valves and durable construction. The plungers give long service even in handling gritty water, consequently Barnes Plunger Trench Pumps are used on all kinds of drainage pumping where it is desired to discharge through a hose or pipe

The above photograph illustrates a typical well point pumping job on trench work in sandy soil. Although the average depth of this trench is 17 feet with the water standing normally only 3 feet below the surface, complete dewatering was secured without the use of sheet piling. Each model L-308-A pump handles from 40 to 80 Well Points.

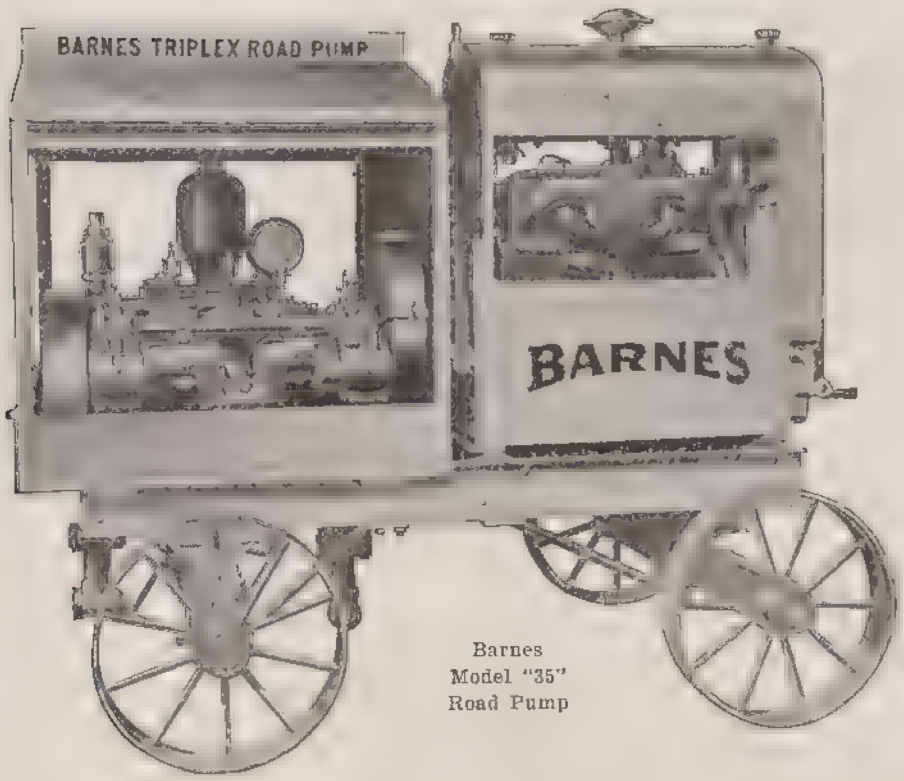
Well point systems are used with excellent results on dewatering excavations in sandy soil, this method frequently resulting in great economy as compared to open pit pumping.

We can furnish complete layouts of equipment and fittings necessary for this work.



Note the dry and workable condition of the trench as illustrated above.

THE BARNES MANUFACTURING COMPANY



Barnes
Model "35"
Road Pump

Barnes High Pressure Pumps have an enviable reputation for supplying water to concrete Highway jobs, because of their reliable service under the most severe conditions.

Barnes Road Pumps are built in both Triplex and Quadruplex types and furnished in six sizes with capacities from 40 to 90 gallons per minute and working pressures up to 500 lbs. per square inch.

The Model "35" Triplex Outfit illustrated above is recommended for supplying 27 E Paver Jobs. It has a capacity of 70 to 80 gallons per minute and a working pressure of 400 to 500 lbs. It will pump 1,150 feet high if necessary, or through as much as ten miles of pipe line—it insures an abundant supply of water for your 27-E paver as well as water sprinkling, etc. keeping the job running full speed

SPECIAL FEATURES

The Hercules 35 H.P. Power Unit driving the pump is demountable and can be easily handled at overhaul time.

A multiple disc clutch between the engine and pump gives flexibility and instant control.

The pump, built for 500 lbs. pressure, enables you to install smaller diameter pipe and still get the desired volume of water—while a lower pressure pump requires larger, more expensive pipe.

The intermediate shaft and crank shaft are provided with bronze backed replaceable shell bearings This refinement in construction will be appreciated if bearing repairs are required.

A weather proof steel housing protects the pump the panel sides sliding into the top out of the way when the outfit is in service

The pump plungers, which must stand the hardest wear, are guaranteed five years, insuring you against replacements.

The outfit comes to you complete in every detail including gauges, relief valve, blow-off valve, and even pipe connections. Every outfit is tested at full load pressure before it leaves our factory.

The Model "35" represents the greatest value in the road pump field.

CURTIS PNEUMATIC MACHINERY COMPANY

1989 KIENLEN AVE., ST. LOUIS, MO.

Branch Offices: 5518K Hudson Terminal, New York

Curtis Portable Compressor for the Fordson

AIR COMPRESSORS, INDUSTRIAL CRANES, AIR HOISTS, ETC.

Economy of this Portable Compressor results from the same moderate speed design, and simple rugged construction which makes Curtis Compressors standard for industrial service

Low overhead expense results from small capital investment, long life with low maintenance cost, well understood Fordson engine and simple compressor which does not require expert attention.

(1)

Mounting is an all-steel riveted frame on two wheels, coupling by six-bolts to rear axle and steering gear of any standard Fordson tractor. Power is transmitted by self adjusting endless belt with tightening idler from regular size take-off pulley back to compressor fly wheel Motive power always available from same Fordson engine through regular tractor transmission

Compressed air is cheaply and quickly provided by this Curtis Fordson Combined Unit wherever a Fordson can go Movable under one man control

Using low priced kerosene for fuel, the Fordson engine is at its best and drives the Curtis portable at a considerably lower cost than gasoline driven compressor outfits.

One Curtis unit complete with Fordson ties up less money than the ordinary engine driven portable of same capacity which has no motive power

Operating at distant points two (2) 120-foot Curtis units complete are a more economical purchase than one (1) 200-foot unit subject to expensive pipe line losses.

On progressive work, the Curtis unit shows big savings, since progress is not interrupted by drafting men from other jobs to move compressor

LONG LIFE

Moderate speed Curtis design is built to outlast compressors direct connected to high speed engines and to provide an outfit of extra life at nominal cost.

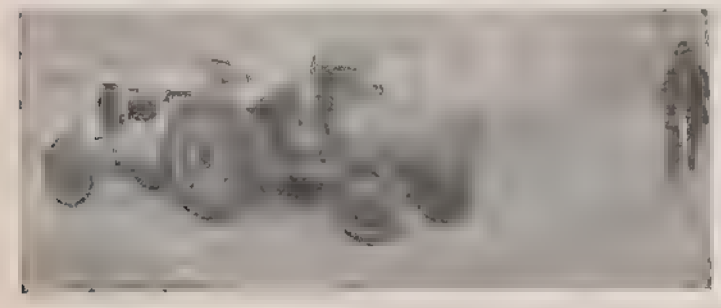
Fully enclosed crank case protects working parts from dust and grit, decreasing wear and lengthening life.

CURTIS EXCLUSIVE FEATURES

Built-in Platform Supports—Jack legs enable one man to easily couple compressor to Fordson tractor Provide steady support against vibration or rocking during compressor operation

Cooling Water System—Equipped with own natural thermo-syphon circulating system without pumps or valves—Minimum over heating and vaporizing of lubricating oil or baking and gumming valves, in cools, etc.

Automatic Lubrication -Curtis has the only lubricating system with controlled splash and with regulatable sight feed to cylinders—Assures sufficient lubrication with least oil, attention or trouble



Self Adjusting Belt—Fly wheel always aligned with Fordson pulley Tightener idler and spring fit on standard take-off flange—Maintains proper tension and avoids slipping and wearing belt—Endless belt provided with guard and horizontal adjustment for variation in length

CURTIS PNEUMATIC MACHINERY COMPANY

DATA ON CAPACITY OF OPERATING COSTS

The Curtis-Fordson combined unit is rated at 120 cu. ft. piston displacement of free air per minute at 80 lb pressure at the compressor discharge. Both pressure and capacity may be changed somewhat by governor regulation.

Below is shown in handy tabular form experience with the more popular pneumatic tools as operated by it, resulting often in saving the time of a half-dozen to a dozen men as compared with hand labor

Ordinary intermittent service is assumed, kerosene taken at 15c per gallon, total fuel and oil at 45c per hour at full load and tools based on sizes which, when operating separately at 80 lbs. pressure, will not require more air than noted in tabulation

Costs per tool are for lubrication and 15c kerosene
Corrections are to be made for other fuel costs

No. of Tools	Air per Minute Each Separately	Per Tool Per Hour	Typical tools of corresponding size in common use About 20% excess air available for Contingencies *
1	Rock Drill	$0 45	Jack Hammer Type 10 to 12 foot depth (advise size and make
2	45 cu ft each	22	Paving Breakers—Rock Drills 4 to 5 foot depth
3	30 cu ft each	15	Back Fill Tampers—Rivet Hammers—Trench Spades
4	25 cu ft each	11	Heavy Caulking and Chipping Hammers Reamers and Drills
5	20 cu ft each	.10	Medium Caulking and Chipping Hammers Light Riveters

*For high altitude, ask for capacity correction.
Sand blasts and many other tools may be operated as long as total is within capacity of outfit.

SPECIFICATIONS

CURTIS PORTABLE COMPRESSOR

Compressor—6" x 6" double cylinder, single acting, Model A, water cooled with controlled splash lubrication and sight feed regulations, speed regulatable up to 600 R.P.M.

Compressor Cooling System—Complete and separate from tractor system Thermo-syphon circulation. Extra large piping and special radiator cooled by fan flywheel.

Air Pressure Control—The Curtis Standard governor, adjustable for pressure and with all necessary piping. Air Receiver 24" x 30" with safety valve and gauge. Suitable for working pressure up to 125 pounds.

Mounting—Two-wheel trailer of structural steel with suitable steel connections for coupling to tractor. Standard Fordson type axle. Steering knuckles connect with tractor steering wheel

Jack Leg Supports Built in adjustable legs provide steady support when compressor is operating and permit one man to easily connect or disconnect

Belt Connections—Flexible belt connection at suitable tension provided by spring idler belt tightener with Timken bearings. Belt guard and endless drive belt are standard equipment. Horizontal adjustment provided for variation in length

TRACTOR AND ACCESSORIES

Standard Fordson Tractor—Speed governor and Ford type power take-off pulley. Speed up to 15 miles per hour with rubber wheels. (Steel wheels standard.)

Rubber Tires—Small wheel 24" x 3", large 40" x 5". Dimensions of Curtis-Fordson Combined Unit Height 5 feet, length 12½ feet, width 5½ feet.

COMPRESSOR AND FORDSON EASILY COUPLED

Connection is made by screwing down jack legs thus raising front end of portable compressor so that couplings are above level of the tractor rear axle

Tractor is then backed in position, outfit lowered on jack legs, lug bolts slipped through couplings and nuts (2) tightened Tractor front wheels and wheels of compressor outfit lined up by eye straight ahead,

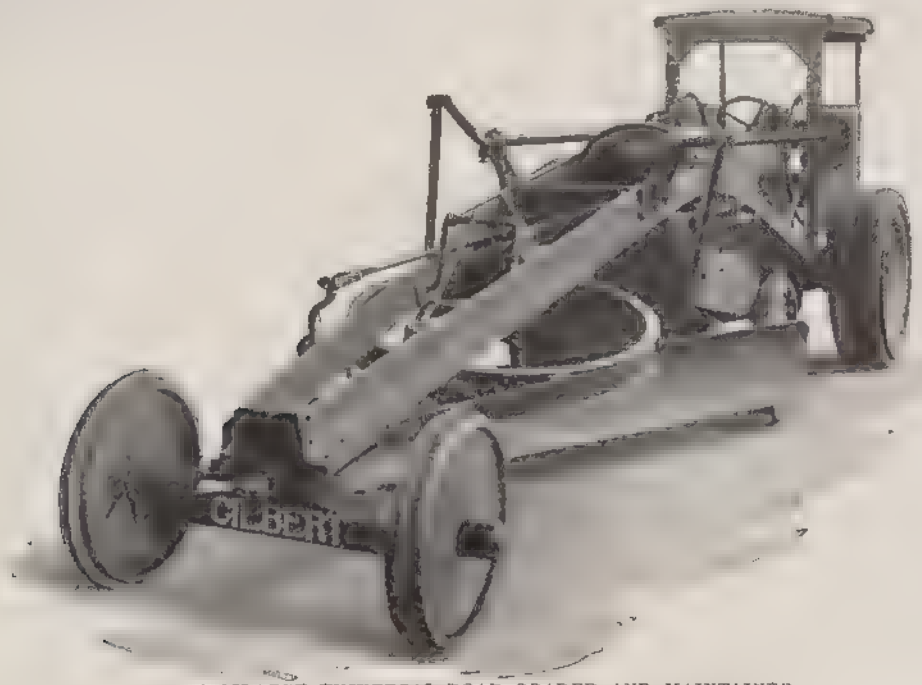
clamp attached to steering arm (4 nuts) wheel rolled over belt, and belt slipped in place. This completes connection (10 minutes).

When belt guard tightener and clutch hold-down clips are bolted on, these need no further attention. Fordson must have speed governor (1250 R.P.M.) and power take-off pulley. Any Ford dealer can provide and attach these standard accessories

GILBERT MANUFACTURING CO.

ABERDEEN, SOUTH DAKOTA

Gilbert Universal Road Machines, Front End Scarifiers, and Rear End Scarifiers for Fordson and McCormick-Deering Tractors. Tractor Cabs for the Fordson, Fit-M-All Fresno Shoes, and Contractor's Equipment.



THE GILBERT UNIVERSAL ROAD GRADER AND MAINTAINER
ATTACHED TO McCORMICK DEERING 10—20 TRACTOR

Space does not permit a full description of these road machines now made for the Fordson and McCormick-Deering Tractors. The Gilbert Universal Graders are built along the most advanced lines of road machine construction, and embody the results of twenty-five years of experience in building this kind of equipment.

The Gilbert Universal comes as a complete machine and may be connected to or disconnected from the tractor instantly. The tractors are not dismantled in any way to interfere with their use for other purposes. The complete cab enclosure is an integral part of the road machine, not an awkward makeshift furnished as an extra. Standard equipment includes side curtains, and sliding glass windows may be had at an extra charge. These graders when attached to the Fordson and McCormick-Deering Tractors have all the advantages of the old style pull grader as far as detachability is concerned, and besides have all the features of the push type grader which has grown so popular in the last few years

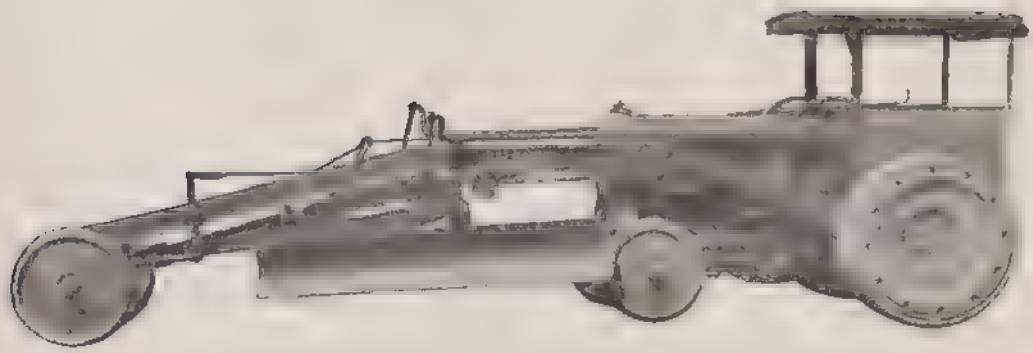
The plow frame and circle are of the latest type anti chatter construction. There are few parts, and the friction circle band is guaranteed for the life of the machine.

They are equipped with different length mouldboards including our special three-point suspension long blade. Complete front axle assemblies are furnished with T-Flanged wheels. At a small additional cost rubber-tired wheels can be substituted.

The grader and tractor steer as easily together as the tractor alone. This is due to the fact that the two sets of wheels are perfectly synchronized, and that the front wheels of the tractor, running behind the mouldboard, travel on a smooth surface.

IMPORTANT: Another outstanding feature of this road machine is that the engine is not rigid within the grader frame, but is left free to oscillate. This is not only a help in steering the outfit, but, in case the cutting edge comes in contact with some un-

GILBERT MANUFACTURING CO.

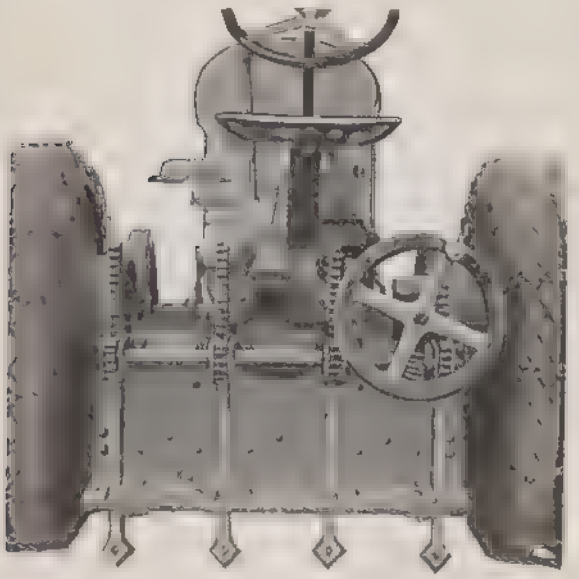


THE GILBERT UNIVERSAL ROAD GRADER AND MAINTAINER ATTACHED TO FORDSON TRACTOR

usually solid object, the drive pinion in the axle housing will climb the ring gear and act as a shock absorber. This gives the same effect as a big spring would located between the rear axle and the cutting edge. This is one of the reasons why the tractor stands up so well when used with the Gilbert machine

The Universal Grader will turn on a shorter radius than similar machines. Driving it is agreeable to the operator because he sits on the seat furnished with the tractor and has all the operating mechanism at his finger tips

GILBERT REAR END SCARIFIER



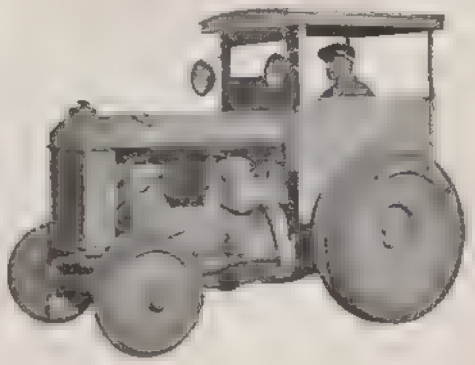
THE GILBERT REAR END SCARIFIER ATTACHED TO THE McCORMICK DEERING 10 20 TRACTOR THIS SCARIFIER IS ALSO MADE FOR THE FORDSON

The Gilbert Rear End Scarifier may be used independently or with the Universal Road Machine. It is easily operated from the driver's seat and will do work possible only with much larger outfits. The scarifier arcs with the rear axle housing of the tractor so that an even depth is scarified at all times The teeth are at such an angle, that they dig rather than scratch the surface. Heavy coil springs prevent damage to the tractor from heavy jolts

The supporting frame is constructed of high carbon steel, is heat treated and joined together with hot rivets The gears and shanks are made of a special alloy steel. The teeth are of an exclusive design and are made of American Manganese steel. These teeth are reversible and self-sharpening in eight different positions.

We also manufacture a front end scarifier to attach to the draw bars of the grader. This scarifier has nine teeth and may be used with the blade or independently

CAB FOR FORDSON TRACTOR



A well built tractor cab that is easily attached to the Fordson. It is completely enclosed in front, rear, and sides, and is equipped with a glass ventilating windshield. The side openings may be furnished with either side curtains or sliding glass windows. The metal sides shut off splash from tires. May be used with either agricultural or rubber-tired wheels

KEYSTONE DRILLER COMPANY

Cable Address "Driller"

Beaver Falls, Pa.

Manufacturers of Excavators

BRANCH OFFICES: New York, N. Y. 170 Broadway. Waukegan, Ill. Joplin, Mo. Birmingham, Ala.

AGENTS

Baltimore, Md. Thomas M. Brown, 106 S. Gay St.
Worcester, Mass. George R. Conyne, 123 Stafford St.
Canandaigua, N. Y. Z T. Darrow & Son.
Columbus, Ohio. Consolidated Eq. Co., 157 W. Main St.
Joplin, Mo. Keystone Driller Co.
New Orleans, La. Equitable Equipment Co., 410 Camp St.
Phila. Pa. Inter-State Machy. Co., Commercial Trust Bldg.
Portland, Oregon. J. L. Latture Eq. Co., 312 E. Madison St.
Salt Lake City, Utah. F. C. Richmond Mchy. Co., 117 W. 2nd South St.
Youngstown, Ohio. J. Walker Wilson, Mahoning Bk. Bldg.

Products: EXCAVATORS.
Also Well Drills and Pumps.

WELL DRILLS AND EXCAVATORS
TRADE MARK
KEYSTONE
REGISTERED U. S. PATENT OFFICE
KEYSTONE DRILLER CO., BEAVER FALLS, PA.

The Keystone Excavator is the Skimmer-Pullscoop power shovel. It is comparatively light, low priced and is exceptionally portable and versatile. Powered with a four cylinder gas engine developing 57 H. P. at 800 R. P. M. it has an abundance of reserve power for heavy duty in hard digging. In digging the machine itself does not revolve; but the 18 ft. boom swings through an arc of 180 degrees. It is mounted on half caterpillars, the crawlers being carried upon a 6-inch steel axle under the boom fulcrum, or digging end of the machine. Equipped with four readily interchangeable scoops, Skimmer, Ditcher, Dipper and Clam, it is adaptable to a wide range of uses. Its proper and hardly disputed fields are, however, (1) shallow street and road excavation with the Skimmer and, (2) ditching, all widths and depths to 20 feet, with the Pull Stroke ditcher.

New Model 4-Front Crawler. The new Model 4 is the result of years of experience in the manufacture of the lighter and more portable type of excavating shovel. It weighs 17 tons, which is not excessive for a modern road or ditching unit. The wheelbase is 15 ft. 8 in., which effects a desirable distribution of weight and increases stability. A half-length crawler, or caterpillar traction, of approved design is mounted under the boom fulcrum, where the greatest strains, weights and stresses are centered. This machine has surprising tractionability. It will negotiate any passable road in low speed and under more favorable conditions will go ten or fifteen miles per day. The half circle swing offers certain advantages in rigidity and economy of operation. It also lends itself most readily to the application of gas engine drive and the half crawler traction.

Skimmer Bucket. The skimmer bucket is a heavy and effective scoop of ⅝ cu. yd. capacity, carried on six chilled rolls, with a dropping bottom, hinged at the toothed end. Because of its 14 ft. horizontal crowd there is no machine like it for shallow repaving jobs, tearing up old concrete, macadam, paving blocks, etc. It is also especially well adapted for heavy highway cutting. In cuts 15 and 20 feet deep the skimmer bucket will fill the trucks with 40 yards or more per hour. The bucket overcuts the boom and hence will notch a bank at any height. It will dig in shale, soapstone or soft rock without blasting. Another economy lies in the fact that it eliminates most hand trimming, leaving the street or road finished to grade, ready for the road base.

Pull-Scoop Ditcher. The Pull-Scoop ditcher also has a bottom hinged at the toothed end, which swings free in dumping. The bucket is self-cleaning, so that even the narrowest bucket, 8 in., can be operated in gumbo and sticky clay. 11 sizes, up to 68", are manufactured, all usable on the same machine with the same set of attachments. The 26" and 32" buckets are most commonly used for ditching and cellar digging. In digging cellars or ditches the machine stands always on the solid ground, is never taken into the pit. Will also handle a ½ yd. clamshell. The Skimmer and Pull-Stroke ditcher are fully covered by patents issued and pending. All buckets have Electric Trip.

Model 4—Front Crawler Gas Drive—17 Tons

CODE WORD—EXAFRY

SPECIFICATIONS

Engine: Climax four-cylinder, Model TU, 5½x7 inches. Develops 57 H. P. at 800 R. P. M., the normal operating speed. Has reversing jack shaft transmission with twin disk clutch.

Gas Tank over engine holds 60 gallons.

Traction: The crawlers, or apron wheels are 40 inches high, 22 inches across tread and 4 feet long on the ground; 7 feet, 4 inches long over-all.

Traction Speeds: One mile and two and three-quarter miles per hour.

Front Axle: Crawler mounting at boom pivot end of machine, 6-inch diameter axle steel. Length over-all, 9 feet, 10½ inches.

Steering Wheels: 36-inch diameter, ⅝-inch tire 16 inches wide with removable cutter bands, at boiler end.

Steering Axle: 8-inch steel I-beam, 28-lb. with auto-type knuckle steering joints, 7 feet, 6 inches over-all. Spindles, 3¼ inches in diameter, cast steel, at boiler end.

Wheel Base: 15 feet, 8 inches.

Boom is 18 feet long, made of two 8-inch 18-lb. I-beams. Swings through an arc of 180 degrees. Gives horizontal crowding movement of 14 feet.

Frame is of structural steel. Sills, 8-inch, 25-lb. I-beam.

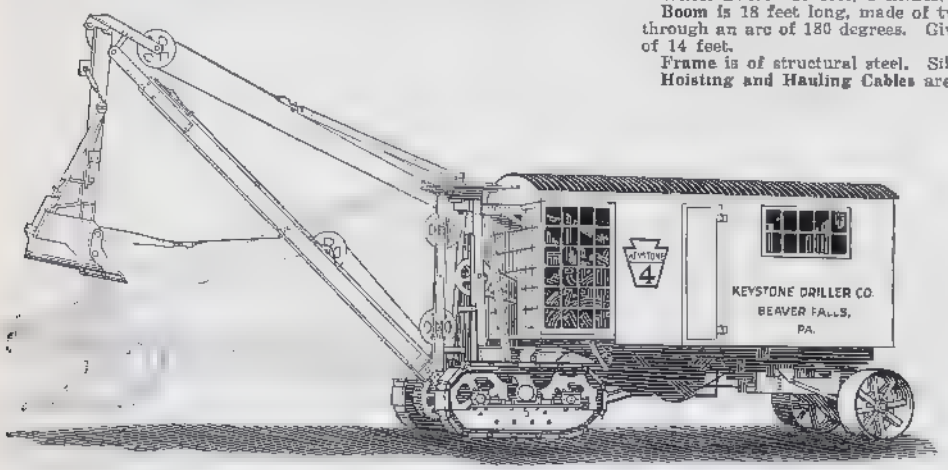
Hoisting and Hauling Cables are 55 feet long; ⅝-inch by ¾-inch armored steel.

Lubrication: Alemite system and grease cups.

Boom Swing has improved composition friction cones.

Weight: 17 tons. **Length** over-all, except boom, 24 feet, 7 inches. **Height** over-all, 11 feet, 7 inches. **Width** over-all, 10 feet.

Scoops and Buckets: The machine is equipped, as specified, with three styles of scoops, improved ⅝-yard **Six-Roll Skimmer** with cylindrical rolls, **Drop-Bottom Ditcher**, and half-yard **Clamshell.**



KEYSTONE DRILLER COMPANY

Established 1882

BEAVER FALLS, PA.

Cable Address "Driller"

Cable Address "Driller"

BRANCH OFFICES

New York, N. Y., 170 Broadway.
Chicago, Ill., Monadnock Block
Joplin, Missouri

AGENTS

Jacksonville, Fla. Z T Darrow & Son
Baltimore, Md. Thomas M. Brown, 20 Knickerbocker Bldg
Birmingham, Ala. R A. Boothe
Worcester, Mass. George R. Conyne, 123 Stafford Street.
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Columbus, Ohio Consolidated Eq Co., 206 Clinton Bldg
Dallas Texas. W. A. Browning Machinery Co, 3027 Elm St.
Denver, Colo. Hendrie & Boltoff
Detroit, Mich. Frank G. Kuhn, 705 Detroit Savings Bk. Bldg
Grand Rapids, Mich. West Mich. Eq. Co., 303 Bridge St., N W
Los Angeles, Cal. Harron Rickard & McCone. 225 S San Pedro
Minneapolis, Minn
New Orleans, La. Equitable Equipment Co
Phila., Pa. Inter-State Machy. Co, Commercial Trust Bldg
Portland, Oregon. J. L. Latture Co, 354 Belmont St
Salt Lake City, Utah F. G Richmond Mchy. Co., 117 W. 2nd South St
San Francisco, Calif Harron Rickard & McCone, 149 Townsend St.
St Louis, Mo. Arthur King Federal Commerce & Trust Bldg.
Spokane, Wash. General Machinery Co
Thomasville, Ga. W. R. McGrew
Youngstown, Ohio. J. Walker Wilson, Mahoning Bk. Bldg

Excavators, Well Drills and Pumps

THE KEYSTONE GAS CRAWLER SHOVEL

(A 17 ton Skimmer Pull-stroke Ditcher Machine)

The Skimmer—Pull-stroke Ditcher type of power shovel was produced upon purchase of patents and direct development by the Keystone Driller Company, in 1912. Lightness, portability and versatility were the features mainly sought by the designers of the machine, and the first Keystone Excavator weighed only eight tons, about half the weight of any other steam shovel then, or for several years thereafter, placed upon the market. It was of the *mast* and *swing circle* design with one central power plant (a small single cylinder steam engine and a 34 x 66 inch upright boiler) and in these respects followed on a small scale the designs of the earliest steam shovels of Otis and John Souther. Its novel and patented features were (1st) a skimmer bucket with hinged bottom hung upon trolleys and sliding upon a boom (instead of the well known bucket and dipper stick construction) and (2d) a reverse action, or pull-stroke, ditcher scoop, mounted upon a stick hinged to the end of the boom, for excavation below grade. The early Keystone Model 3—10 ton Excavator, despite its manifold evident defects, had a wide vogue. Its lightness and long wheelbase gave it portability in road and sewer construction enjoyed by no revolving shovel, and, with its two buckets it was equally good for excavation above and below grade.

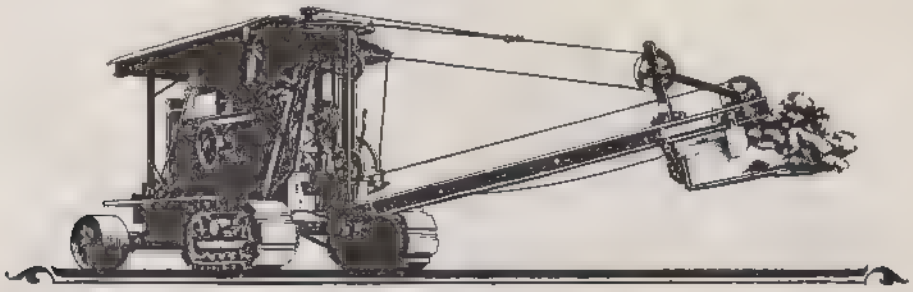
The outstanding development in steam shovel designs in the decade from 1880 to 1890 was the application of three steam engines, instead of one, to the three movements of hoist, crowd and swing. This improvement rested upon a firm foundation so long as coal and water continued in favor as a means of generating power; but, with the astounding sweep of engineering sentiment toward the internal combustion engine, which made itself felt and in fact carried everything before it, in 1922 and 1923, the three engine machines were brought face to face with an almost insoluble problem. They could not mount a multiplicity of gas engines where needed on their machines and were driven at once into complicated and expensive systems of power generation, transformation and application. Single power unit machines, such as the Keystone, were more fortunate. Their problem was simply that of replacing a boiler and double steam engine with an approved gas motor.

KEYSTONE DRILLER COMPANY

In a machine of the Keystone type the full revolving feature of accepted steam-shovel design, which appeared about 1897, did not seem of essential value, and it would have been purchased at the expense of lightness, portability, low set center of gravity and other operating qualities. Keystone, therefore, adhered to the half swing.

The Keystone Excavator is a general utility power shovel. It is a flexible tool especially adapted for road work and ditching, is comparatively light and portable, and at the same time has rugged strength, power and efficiency. It can be equipped with three different, readily interchangeable buckets; skimmer for road work, ditcher for excavating ditches, and clamshell for handling sand, gravel and similar material.

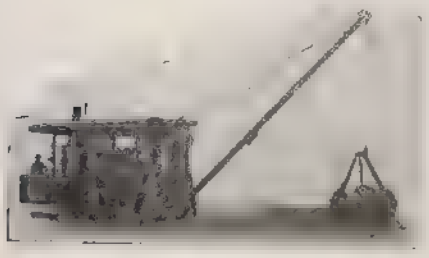
Skimmer Bucket. The skimmer bucket is a heavy scoop of ⅝ cu. yd. capacity, carried on six chilled rolls, with a dropping bottom, hinged at the toothed end. Because of its 14 ft. horizontal crowd it is particularly indicated for shallow repaving jobs, tearing up old concrete, macadam, paving blocks, etc. It is also well adapted for heavy highway cutting. In cuts 15 and 20 feet deep the skimmer bucket will fill the trucks with 40 yards or more per hour. The bucket overcuts the boom and hence will notch a bank at any height. It will dig in shale, soapstone or soft rock without blasting. The skimmer eliminates most hand trimming, leaving the street or road finished to grade, ready for the road base.



Mode 4 Gas Crawler

Model 4 Gas Crawler. The Model 4 is constructed entirely of steel and weighs 17 tons, which is not excessive for a modern road or ditching unit. The wheelbase is 15 ft. 8 in., which effects a desirable distribution of weight and increases stability. A half-length crawler, or caterpillar traction, of approved design is mounted under the boom fulcrum, where the greatest strains, weights and stresses are centered. This machine has surprising tractionability. It will negotiate any passable road in low speed and under more favorable conditions will go ten or fifteen miles per day. The half-circle swing offers certain advantages in rigidity and economy of operation. It also lends itself most readily to the application of gas engine drive and the half crawler traction.

Pull Stroke Ditcher



Skimmer Bucket

Pull-Stroke Ditcher. The Pull Stroke ditcher also has a bottom hinged at the toothed end, which swings free in dumping. The bucket is self-cleaning, so that even the narrowest bucket, 8 in. can be operated in gumbo and sticky clay. Eleven sizes, up to 68 in. are manufactured, all usable on the same machine with the same set of attachments. The 26 and 32 in. buckets are most commonly used for ditching and cellar digging.

KEYSTONE DRILLER COMPANY

In digging cellars or ditches the machine stands always on the solid round, is never taken into the pit. Will also handle a ½ yd. clamshell. The Skimmer and Pull-Stroke ditcher are fully covered by patents issued and pending.

Construction. As can be seen from the following specifications, these machines are well constructed entirely of steel.

They are relatively low in cost, and their flexibility and varied uses make them a profitable investment for any contractor.

KEYSTONE TRACTION EXCAVATOR

THE BUCKET *has ample dumping clearance*

MODEL 4—FRONT CRAWLER, GAS DRIVE—17 TONS

Code Word—Exafry

SPECIFICATIONS

Engine—Climax four-cylinder, Model TU, 5½ x 7 inches. Develops 57 H.P. at 800 R.P.M., the normal operating speed. Has reversing jack shaft transmission with twin disk clutch.

Gas Tank over engine holds 60 gallons.

Traction—The crawlers, or apron wheels are 40 inches high, 22 inches across tread and 4 feet long on the ground; 7 feet, 4 inches long over all.

Traction Speeds—One mile and two and three-quarter miles per hour.

Front Axle—Crawler mounting at boom pivot end of machine, 6-inch diameter axle steel. Length over-all, 9 feet, 10½ inches.

Steering Wheels—36-inch diameter, ⅝-inch tire 16 inches wide with removable cutter bands, at boiler end.

Steering Axle—8-inch steel I-beam, 23-lb. with auto-type knuckle steering joints, 7 feet, 6 inches over-all. Spindles, 3¼ inches in diameter, cast steel, at boiler end.

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Boom is 18 feet long, made of two 8-inch 18-lb. I-beams. Swings through an arc of 180 degrees. Gives horizontal crowding movement of 14 feet.

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Lubrication—Alemite system and grease cups.

Boom Swing has improved composition friction cones.

Weight—17 tons. *Length* over-all, except boom, 24 feet, 7 inches. *Height* over-all, 11 feet, 7 inches. *Width* over-all, 10 feet.

Scoops and Buckets—The machine is equipped, as specified, with three styles of scoops, improved ⅝-yard *Six-Roll Skimmer* with cylindrical rolls, *Drop-Bottom Ditcher,* and half yard *Clamshell.*

LITTLE RED WAGON MFG. CO.

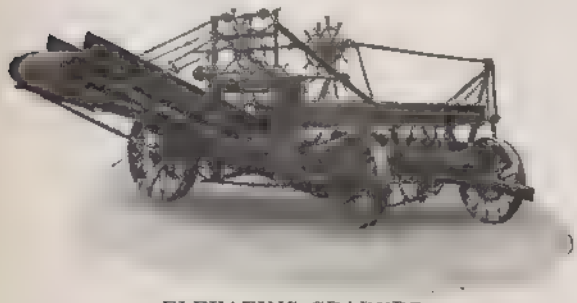
OMAHA, NEBRASKA

AGENTS LOCATED AT

Atlanta	Columbus.	Memphis.	Phoenix	Salt Lake City	Sioux Falls
Butte	Dallas	Milwaukee.	Pittsburgh	San Antonio.	Spokane.
Cedar Rapids	Denver	New Orleans.	Raleigh	San Francisco.	Toledo.
Chicago.	El Paso.	New York City.	Portland.	Seattle.	Urbana.
Cincinnati.	Kansas City.	Oklahoma City.	St. Louis	Shreveport.	Winnipeg
Cleveland.	Los Angeles.	Philadelphia	St. Paul.		

LIST OF FOREIGN AGENTS ON REQUEST

Elevating Graders, Dump Wagons, Fordson Trailers, Fordson Elevating Grader, Road Maintainer, Tractor Drawn Dump Wagons, Slip Scrapers, Drag Scrapers, Wheel Scrapers, Fresno Scrapers, Mormon Scrapers, Bulldozer Scrapers, Road Plows and Road Drags.



ELEVATING GRADERS

The Stroud elevating grader is a machine which plows a furrow of dirt and throws it on an endless rubber belt. The belt carries the dirt to the end of carrier and either drops the dirt into an embankment or into wagons or other conveyances so that the dirt may be used elsewhere.

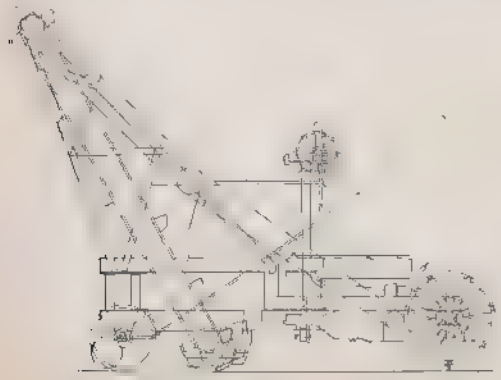
These graders are pulled either by 10 ton or sixty horse power tractors or by horses or mules.

These graders are made in four sizes: Special or Senior with 36 inch wide belt, Jumbo with 40 inch wide belt, Heavy Duty with 42 inch wide belt.

The Stroud elevating grader is an ideal machine for building highways, railroads, levees, streets, subgrades for concrete paving, dams, ditches, embankments, real estate subdivisions, oil wells, fire walls, oil storage basins, removing sod from large areas, etc.

We have been manufacturing elevating graders for over 25 years and have constantly improved them from ideas submitted by contractors until Stroud graders are without doubt the superior of any elevating graders on the market.

Elevating graders are the chief item of manufacture in our factory. Other elevating graders are made as side line. Send for complete catalog



ALLEY RAT

This machine is a light elevating grader which attaches to a Fordson tractor and is designed for moving dirt from alleys and city streets and other small jobs where the larger elevating graders are not practical. See cut at bottom of previous page.

The dirt is plowed up and thrown into a pan and elevated from the pan by buckets and dropped into a hopper in front of the machine and discharged into trucks or dump wagons either in front or at the side of the machine.

The Alley Rat can be used also for grading for curbs or for building up the earth shoulders of paved roads by using dirt from the ditches, etc

DUMP WAGONS

These are bottom dump horse drawn wagons. They can be used in hauling dirt, gravel, sand, asphalt, rubbish, etc When wagon comes to dump a lever is pulled which releases doors in the bottom and quickly discharges the load. The doors are wound up by another lever as the wagon is taken back for a new load. Wagons may be equipped with stub tongues for tractor hauling.

These wagons are made in 1½, 2, 2½, and 3½ yard sizes for horse hitch and in 5½ and 11 yard sizes for tractor hitch. Send for complete catalog

FORDSON TRAILER

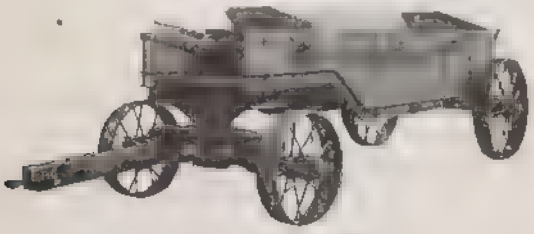
This is a bottom dump trailer for Fordson tractor with body similar to the dump wagons described above

LITTLE RED WAGON MFG. CO.

These trailers and the dump wagons described herein are made in three models. Model A has the chains through the sides of the wagon, the doors hang inside the bed and ride the load when dumped. This model is designed especially for dirt work

In model B the doors hang outside the bed. The chains work under the doors. This model should be used where a sand tight box is desired or in rock work under steam shovels where the rocks are large enough to break the chains in Model A

Model C is similar to A except there are two chains to each door. Write for catalogue explaining fully



TRACTOR DRAWN WAGONS

This is a bottom dump wagon similar in construction to the horse drawn wagon shown above except it holds 5½ yards heaped 30° with two sideboards and is designed to be drawn by thirty horse power or five ton tractor or two or three wagons may be trailed behind a ten ton or sixty horse power tractor

This wagon is made with either oak body or all steel body. The front gear and front axle are joined by large ball and socket joint. The tongue is equipped with shock absorber. The wagon has steel wheels, steel axles and roller bearings.

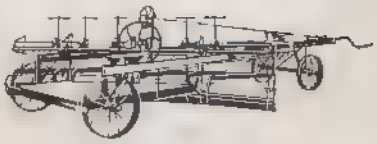
We also construct a similar wagon holding 11 yards with sideboards.

STROUD TRAILING DEVICE

By using a Stroud trailing device with a train of wagons you can make a square turn or a sharp loop turn and each wagon will trail behind the wagon in front.

The front wagon in the train attaches directly to the tractor. All the other wagons in the train are attached to a chain which attaches to the tractor.

Each wagon guides the wagon behind but does not have to pull the wagon behind.



ROAD MAINTAINER

This is an ideal machine for maintaining dirt roads and keeping them in condition, by cutting off bumps and ridges and using the excess to fill up ruts and depressions

It can be used on either dirt or gravel roads. It requires only one operator and is pulled either by five ton or thirty horse power tractor or by four ton truck or by horses or mules.

It is equipped with either straight blade or multiple blade Straight blade maintainers come in 12 foot, 14 foot or 16 foot lengths. Multiple blade maintainer consists of four blades of four feet each cutting a swath 12 feet, 8 inches wide.

SMALL TOOLS

Stroud drag or slip scrapers are especially constructed for contractor's and other heavy use and must not be confused with the lighter and cheaper scrapers on the market. They are made with either square backs or round bowl. The square back scrapers are constructed from one sheet of heavy scraper steel bent and riveted with double bottom, and hold either four or seven cubic yards The round bowl scrapers are pressed in a special die from a single sheet without lap or joint and are equipped with runners and hold either 3½, 5, or 6 cubic feet.

The Stroud fresno scraper or buck scraper is especially designed for use in leveling land, building canals, railroads or on any construction work where drag scrapers can be used but where a longer haul is desired. It has an exceptional light draft, is easy on stock and is easy to operate. Is made in 2½ foot, 3 foot, 3½ foot, 4 foot and 5 foot widths.

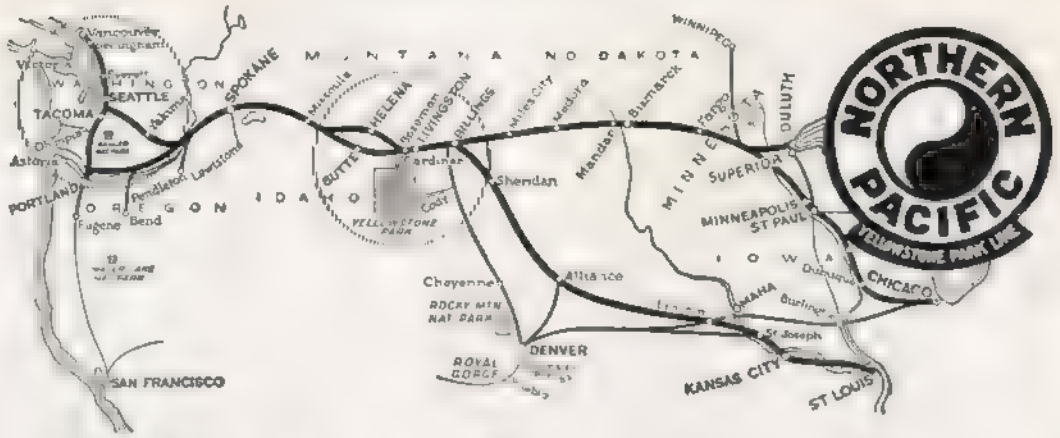
Stroud Mormon scraper or tongue scraper is used in leveling dumps and filling ditches. The driver fills and dumps his own load with ease. Is furnished with cutting edge 48 inches wide.

Stroud road drags are made in 7 or 8 foot widths. They are constructed on proper lines and their use insures a perfect road with minimum effort. They are strong and durable and stand the roughest usage. No castings used except one small one on the latch handle. Blades are of high carbon steel adjustable at any angle, regulated by strong easily moved lever.

Stroud Road or Grading Plows are made of extra quality wrought steel for railroad and highway work and must not be confused with light farm plows. Made in three sizes: 10 inch plow for two horses; 11 inch plow for four horses; or 12 inch plow for twelve horses.

Stroud Wheel Scrapers have a removable sleeve over the axle which can be turned to give new wearing surfaces. The hubs are in two parts bolted to the wheel. The wheel boxing revolves around the sleeve and not on the axle. These parts can be readily and cheaply replaced without disturbing the wheel. Stroud wheelers are strong, durable, easy running and easy to operate

Stroud bulldozer scraper is constructed for use on fills where wagons or trucks cannot go down the dump and where it is necessary to dump the dirt on top of the fill and then push it over the side



Fill Out the Coupon

*"We'll do the rest"**

Mr. A. B. Smith, Pass. Traffic Mgr.,
941 Northern Pacific Bldg., St. Paul, Minn.

Dear Mr. Smith:

This summer, I expect to spend my vacation in the Pacific Northwest, leaving here.....and getting back.....

Will you please outline for me a trip that will include
(Check—√—cities, or resorts in which you are particularly interested.)

The Minnesota Lakes	Flathead Lake Country
Helena	Tacoma
Montana Rockies	Butte
Seattle—Alaska	Spokane
Portland	Rainier National Park
Yellowstone Park	Colorado

The purpose of my trip is primarily:
(*Check*) √ Pleasure Health Sight seeing Business All Four
but I should also like to see something of these phases of Western life:
(*Check*) √ Mining Irrigation Fruit-raising Cowboys
Lumbering Indians Wild Animals

I prefer to spend a good part of my vacation:
(*Check*) √ Fishing Camping Out In the Mountains
Golfing Beside the Sea In Cities
In Yellowstone and Rainier Parks

I understand that, this summer, the Northern Pacific will offer exceedingly low rates to Yellowstone Park and the Pacific Northwest. Please tell me what a ticket will cost from.....to ..... and return.

I understand, too, that all your through trains are equipped with observation cars and that your dining car service has the reputation of being the most satisfactory of any western railroad. Give me, please, details of these features of your service.

Name.....

Street and No.....

City and State.....

*Your vacation should be the happiest experience of the year.
Let me help you make it so. A. B. Smith.

Northern Pacific Ry.

"2000 Miles of Startling Beauty"

THE OHIO POWER SHOVEL CO.

DIVISION OF LIMA LOCOMOTIVE WORKS, INC.

Lima, Ohio

Manufacturers of Power Shovels, Draglines, Clamshells, Cranes and Drag Shovels

Eastern Offices, 2351 Graybar Building, New York, N. Y.
Western Offices, 846 Straus Building, Chicago, Ill.

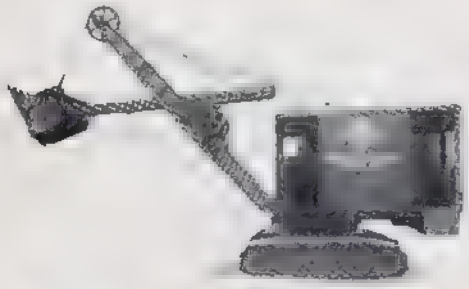
The Lima "101" is a one and one-quarter yard and one yard heavy duty gasoline, Diesel or electric shovel convertible to clamshell, dragline and drag shovel by changing booms. It is the only full Timken Bearing equipped excavator on the market and is made in one of the world's largest plants manufacturing excavating equipment.

Gas Shovel: The Lima "101" Gas Snovel is equipped with a Waukesha Motor of 92 H.P. at 850 R.P.M. (Ricardo head) Electric Self-Starter, Batteries and 70 gallon fuel tank. (Approximate weight complete 78,000 lbs.)

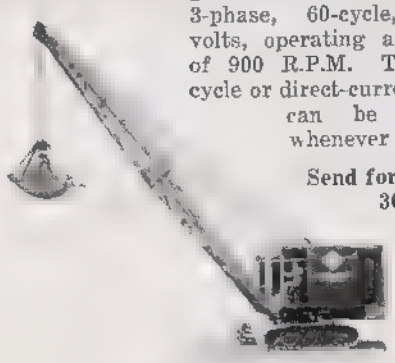
Diesel Shovel: The Lima "101" Diesel Shovel is equipped with a Buda M.A.N. Diesel Motor of 94 H.P. at 850 R.P.M. with gas engine starter (no batteries unless lights are ordered), and 70 gallon fuel tank. (Approximate weight complete, 81,000 lbs.)

Electric Shovel: The Lima "101" Electric Shovel is equipped with a Westinghouse or General Electric 3-phase, 60-cycle, 220-440 volts, operating at a speed of 900 R.P.M. Twenty-five cycle or direct-current motors can be furnished whenever necessary.

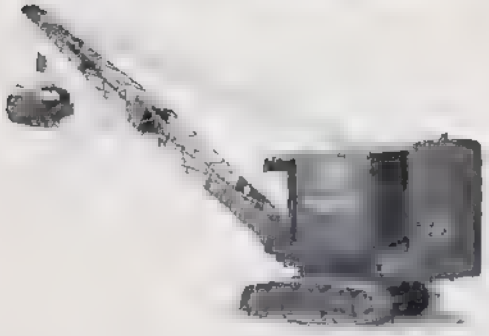
Send for Bulletin 301



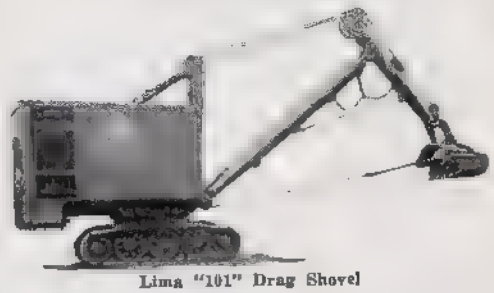
Lima "101" Shovel



Lima "101" Clamshell



Lima "101" Dragline



Lima "101" Drag Shovel

ABRIDGED SPECIFICATIONS, LIMA "101"

	SHOVEL		DRAGLINE			CLAMSHELL			DRAG SHOVEL	
Capacity of Bucket	1¼ yd.	1 yd.	1¼ yd.	1 yd.	¾ yd.	1¼ yd.	1 yd.	¾ yd.	1 yd.	¾ yd
Length of Boom	21'0"	21'0"	40 ft.	45 ft.	50 ft.	40 ft.	45 ft.	50 ft.	20'3½"	20'3 ½"
Length of Dipper Handle	17'0"	17'0"							11'0"	13'3½"
Normal Angle of Boom	45° to 50°		30° to 60°			20° to 40°				
Radius of Rear End of Cab	9'9"		9'9"			9'9"			9'9"	
Height of Cab Above Bottom of Crawlers	11'6"		11'6"			11'6"			11'6"	
Overall Width of Cab	9'9"		9'9"			9'9"			9'9"	
Horsepower of Engine	92		92			92			92	
Size of Engine	6½" x 7"		6½" x 7"			6½" x 7"			6½" x 7"	
Type of Ignition	Magneto		Magneto			Magneto			Magneto	
Cooling System	Radiator & Pump		Radiator & Pump			Radiator & Pump			Radiator & Pump	
Starting System	Electric Self Starter		Electric Self Starter			Electric Self Starter			Electric Self Starter	
Capacity Fuel Tank	70 Gal.		70 Gal.			70 Gal.			70 Gal.	
Overall Width of Crawlers	9'2"		9'2"			9'2"			9'2"	
Width of One Crawler Belt	24"		24"			24"			24"	

Diamond Bracelets

101—6 Fine White Diamonds, 14k and Platinum, delicately pierced design $300.00

102—4 Fine White Diamonds, 4 Synthetic Sapphires, 14k and Platinum, delicately pierced design $375.00

103—3 Fine White Diamonds, 14k and Platinum, delicately pierced design $195.00

104—3 Fine White Diamonds, 1 Genuine Stop-Free, 14k and Platinum, delicately pierced design $180.00

105—3 Fine White Diamonds, Mounted in Genuine Carved Crystal, 14k and Platinum, delicately pierced design $120.00

106—2 Fine White Diamonds, 3 Synthetic Sapphires, 14k and Platinum, delicately pierced design $135.00

107—1 Fine White Diamond, 2 Synthetic Sapphires, Mounted in Genuine Carved Crystal, 14k and Platinum, delicately pierced design $80.00

108—1 Fine White Diamond, 2 Synthetic Sapphires, 14k and Platinum, delicately pierced design $100.00

Diamond Bracelets

109—1 Fine White Diamond, 4 Synthetic Sapphires, 14k and Platinum, delicately pierced design $190.00

110—1 Fine White Diamond, 12 Synthetic Sapphires, 14k and Platinum, delicately pierced design $215.00

111—1 Fine White Diamond, 14k and Platinum, delicately pierced design $210.00

112—1 Fine White Diamond, 9 Synthetic Sapphires, 14k and Platinum, delicately pierced design $155.00

113—1 Fine White Diamond, 4 Synthetic Sapphires, 14k and Platinum, delicately pierced design $150.00

114—1 Fine White Diamond, 3 Synthetic Sapphires, 14k and Platinum, delicately pierced design $125.00

115—1 Fine White Diamond, 14k and Platinum, delicately pierced design $140.00

116—2 Fine White Diamonds, 4 Synthetic Sapphires, 14k White Gold, delicately pierced design $75.00

117—1 Fine White Diamond, 2 Synthetic Sapphires, 14k White Gold, delicately pierced design $60.00

118—1 Fine White Diamond, 2 Synthetic Sapphires, 14k White Gold, delicately pierced design $80.00

119—1 Fine White Diamond, 2 Synthetic Sapphires, 14k White Gold, delicately pierced design $57.00

14 K. Cameo Sautoir-Brooches

All brooches on this page furnished with finely pierced sautoir attachments and can be used as pendants.

C 101—Fine Cornelian Cameo, 14k White Gold pierced front and sides, set with 1 White Diamond $45.00

C 102—Fine Cornelian Cameo, 14k White Gold pierced front and sides $45.00

C 103—Fine Cornelian Cameo, 14k White Gold pierced front and sides $27.00

C 104—Fine Cornelian Cameo, 14k White Gold pierced front and sides $33.00

C 105—Fine Cornelian Cameo, 14k White Gold pierced front and sides, set with 1 White Diamond $39.00

C 106—Fine Cornelian Cameo, 14k White Gold pierced front and sides, set with 1 White Diamond $30.00

C 107—Fine Cornelian Cameo, 14k White Gold pierced front and sides $36.00

C 108—Fine Cornelian Cameo, 14k White Gold pierced front and sides . . . $25.00

Cameo Brooches

C 109—Fine Cornelian Cameo, 10k White Gold pierced mounting $16.50

C 110—Fine Cornelian Cameo, 10k White Gold pierced mounting $21.00

C 111—Fine Cornelian Cameo, 10k White Gold pierced mounting, set with 1 White Diamond $33.00

C 112—Fine Cornelian Cameo, 10k White Gold pierced mounting, set with 1 White Diamond $27.00

C 113—Fine Cornelian Cameo, 10k White Gold pierced mounting $28 50

C 114—Fine Cornel an Cameo 10k White Gold pierced mounting $15 00

C 115—Fine Cornelian Cameo, 10k White Gold pierced mounting $14.00

C 116—Fine Cornelian Cameo, 10k White Gold pierced mounting, set with 1 White Diamond... .....$27.00

C 117—Fine Cornelian Cameo, 10k White Gold pierced mounting, set with 1 White Diamond $24.00

C 118—Fine Cornelian Cameo, 10k White Gold pierced mounting, set with 1 White Diamond $25.50

C 119—Fine Cornelian Cameo, 10k White Gold pierced mounting $20.00

C 120—Fine Cornelian Cameo, 10k White Gold pierced mounting $12 00

DAVID MAYDOLE HAMMERS

ADZE EYE NAIL, ROUND

FIG. 329

No.....	0	1	1½	2	3
Weight.....	1 lb. 10 oz.	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per dozen	$11.50	8.75	8.00	7.50	6.75

ADZE EYE NAIL, BELL FACE

FIG. 330

No.....	10	11	11½	12	13	14
Weight	1 lb. 9 oz.	1 lb. 5 oz.	1 lb.	12 oz.	7 oz.	5 oz.
Per doz.	$11.50	8.75	8.00	7.50	6.75	6.40

ADZE EYE NAIL, STRAIGHT CLAW, ROUND

FIG. 331

No.....	701	701½	702
Weight.....	1 lb. 4 oz.	1 lb.	18 oz
Per dozen.....	$8.75	8.00	7.50

ADZE EYE NAIL, STRAIGHT CLAW, BELL FACE

FIG. 332

No.....	711	711½	712	713	714
Weight..	1 lb. 8 oz.	1 lb.	12 oz.	7 oz.	5 oz.
Per dozen	$8.75	8.00	7.50	6.75	6.40

BRAD HAMMERS, OCTAGON

FIG. 333

No.....	226	227	228
Weight.....	4 oz.	3 oz.	2 oz.
Per dozen.....	$5.25	5.00	4.80

BRICKLAYERS' ADZE EYE

FIG. 334

No.....	561	562	563	564
Weight	2 lbs. 4 oz.	1 lb. 14 oz.	1 lb. 8 oz.	1 lb.
Per dozen..	$13.00	12.00	11.00	10.00

Weights do not include Handles.

Bricklayer's Hammers, one-third dozen in a Box, others half dozen.

DAVID MAYDOLE HAMMERS

MACHINISTS' BALL PEIN HAMMERS

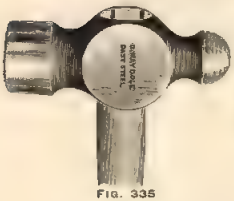


FIG. 335

Face, Sides and Pein Polished.

No.....	70	70½	71	72	73	74	75
Weight....	3 lbs.	2¾ lbs.	1⅞ lbs.	1¾ lbs.	1⅝ lbs.	1 lb.	13 oz.
Per doz..	$20.00	17.00	15.00	13.50	12.25	11.25	10.50

No.....	76	77	78	79	79½	79¾
Weight....	10 oz.	7 oz.	5 oz.	3 oz.	2 oz.	1 oz.
Per dozen	$10.00	9.50	9.25	9.00	9.00	9.00

One-third dozen in a Box.

PLAIN EYE RIVETING HAMMERS

NOS. 10 TO 14

FIG. 336

No.....	40	41	42	42½	43	44
Weight.....	1 lb. 8 oz.	1 lb. 2 oz.	13 oz.	10 oz.	7 oz.	4 oz.
Per dozen	$8.50	7.25	6.00	5.50	5.25	5.00

NOS. 266 TO 269

FIG. 337

No.....	266	267	268	269
Weight.....	4 oz.	3 oz.	2 oz.	1 oz.
Per dozen	$5.00	4.80	4.65	4.50

Weights do not include Handle. Half dozen in a Box.

NAIL HAMMERS

H. LAWRENCE SOLID STEEL ADZE EYE

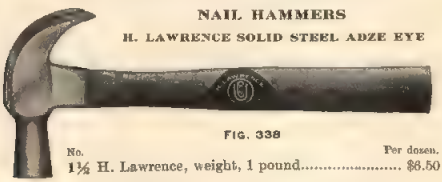


FIG. 338

No.	Per dozen.
1½ H. Lawrence, weight, 1 pound.....	$8.50

Weights do not include Handles. Half dozen in a Box.

CAST ADZE EYE, NO. 900

FIG. 339

No.	Per dozen.
900 Full Polished Steel Finished, Oiled Hickory Handles	$2.60

Half dozen in a Box.

DISSTON

CROSS-CUT SAWS

PLAIN OR PEG TOOTH

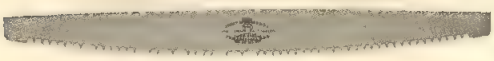


FIG. 12

No.	Length, feet	4	4½	5	5½	6	6½	7	7½	8
1	Each	$2.52	2.84	3.15	3.46	3.78	4.10	4.41	4.72	5.04
2	"	2.32	2.61	2.90	3.19	3.48	3.77	4.06	4.35	4.64

TENON TOOTH

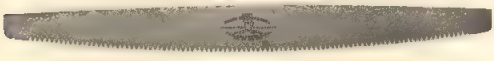


FIG. 13

No.	Length, feet	4	4½	5	5½	6	6½	7	7½	8
1	Each	$2.52	2.84	3.15	3.46	3.78	4.10	4.41	4.72	5.04
2	"	2.32	2.61	2.90	3.19	3.48	3.77	4.06	4.35	4.64

GREAT AMERICAN TOOTH

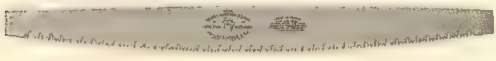


FIG. 14

No.	Length, feet	4	4½	5	5½	6	6½	7	7½	8
1	Each	$2.72	3.06	3.40	3.74	4.08	4.42	4.76	5.10	5.44
2	"	2.48	2.79	3.10	3.41	3.72	4.03	4.34	4.65	4.96

CHAMPION TOOTH

FIG. 15

No.	Length, feet	4	4½	5	5½	6	6½	7	7½	8
1	Each	$2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80
2	"	2.16	2.43	2.70	2.97	3.24	3.51	3.78	4.05	4.32

1 Saws are ground four Gauges thinner on Back than on Tooth Edge.
2 " " " two " " " " " " " " "
1 Great American are ground five Gauges thinner on Back than on Tooth Edge.
2 " " " " two " " " " " " " "

DISSTON

NARROW CROSS-CUT SAWS

TRIUMPH GREAT AMERICAN TOOTH

FIG. 16

Length, feet	4	4½	5	5½	6	6½	7
Each	$1.68	1.89	2.10	2.31	2.52	2.73	2.94

Diamond Tooth same price as Great American.

TRIUMPH CHAMPION TOOTH

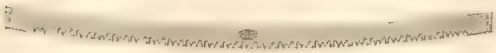


FIG. 17

Length, feet	4	4½	5	5½	6	6½	7
Each	$1.44	1.62	1.80	1.98	2.16	2.34	2.52

TRIUMPH, PLAIN TOOTH

Length, feet	4	4½	5	5½	6	6½	7
Each	$1.44	1.62	1.80	1.98	2.16	2.34	2.52

ONE-MAN CROSS-CUT SAWS

GREAT AMERICAN TOOTH

FIG. 18

Length, feet	3	3½	4	4½	5	5½	6
Each	$2.55	2.85	3.25	3.65	4.10	4.55	5.00

CHAMPION TOOTH

FIG. 19

No.	Length, feet	3	3½	4	4½	5	5½	6
2	Each	$2.25	2.60	3.00	3.35	3.70	4.10	4.45

TENON TOOTH

No.	Length, feet	3	3½	4	4½	5	5½	6
2	Each	$2.25	2.60	3.00	3.35	3.70	4.10	4.45

One-man Saws in quarter dozen Bundles.

HOWARD

RAILROAD WATCHES

Montgomery dials supplied on railroad watches on request without extra charge

HOWARD RAILROAD STANDARD

Keystone Extra Case

No		Retail	List
1095	21J White Screw Butler	$80	$108
1095	21J Gr. Screw Butler or P. P	90	108
95	23J White Screw Butler	125	150
95	23J Gr. Screw Butler or P.P.	125	150

HOWARD RAILROAD STANDARD

Open Face Jointed-Inside Cap, 14K Yellow Only

No.		Retail	List
1035	21J 14K Gold P P.	$135	$162
35	23J 14K Gold P.P.	170	204

HOWARD RAILROAD WATCHES were developed for railroad men, field engineers and others who demand time-keeping accuracy under the most severe conditions.

The Howard Railroad Chronometer, is a 16 size, 21 Jewel lever set movement, closely adjusted to 5 pos., temperature and isochronism.

All pivots running in extra hard Rubigust olive-shaped bearings. Pallet stones, impulse pin and end stones of Rubigust. Howard Bi-metallic balance wheel especially hard tempered, proof against jar and vibration.

Howard Railroad Watches are fitted in the famous Keystone Railroad Case with many special features. The pendant is spun on the center. Heavy stock, long thread on the screws. Narrow bezel with bead gives more hand room under the glass Dust Proof Nut Pendant, Non pull-out Bow

The 23 Jewel movement and the 21 Jewel Series No. 10 movement have selected rubies and sapphires with oriental sapphire pallet stones and banking pins. Train and balance have olive hole-jewels. Recessed steel escape wheel. Closely adjusted to 5 pos., temperature and isochronism.

Note thin edge view

HOWARD RAILROAD CHRONOMETER

Jas. Boss 10K Gold Filled

No.		Retail	List
1195A	21J Yellow Screw P.P.	$70	$80

Keystone Extra

No.		Retail	List
1195	21J White Screw Butler	$80	$96
1195	21J Gr. Screw Butler or P P.	80	96
1195	21J Yellow Screw P.P.	80	96

Made by KEYSTONE WATCH CASE CORPORATION, *Riverside, New Jersey*

Twelve Size HOWARD

PERIOD WATCHES

DORIC

The Howard 12 size 17 Jewel Period Watches take their inspiration from the great historic architects and appeal particularly to those who appreciate fine things.

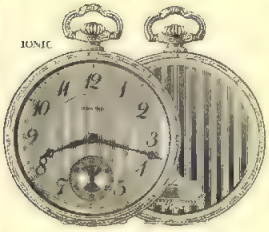
17 selected sapphire and ruby jewels. Train and balance have olive hole jewels. Double roller escapement and steel escape wheel. Adjusted to 3 positions, temperature and isochronism.

Keystone Extra

No.		Retail	List
765	Doric 17 J White or Green, Cap	$65	$78

Supplied with Butler or Engraved back.

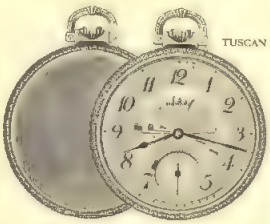
IONIC



Keystone Extra

No.		Retail	List
795	Ionic 17 J White or Green	$60	$72

A most attractive and very popular model.
Supplied with Butler or Engraved back.



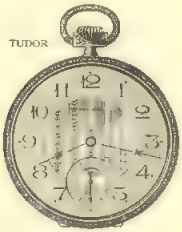
TUSCAN

Keystone Extra

No.		Retail	List
793	Tuscan 17 J White or Green	$60	$72

A new model of great distinction.
Supplied with Butler or Engraved back.

TUDOR



Keystone 14K Gold

No.		Retail	List
705	Tudor 17 J Wh. or Gr.	$100	$120

Supplied with Butler or Engraved back.

VICTORIAN

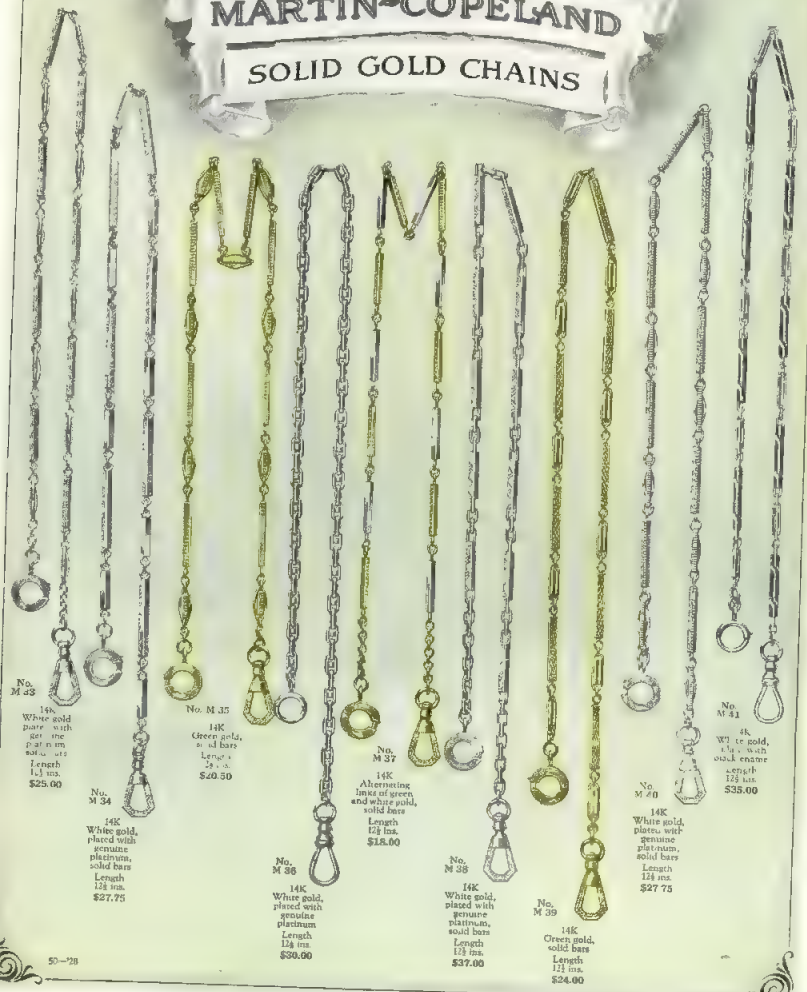
Keystone Extra
Yellow or Green

No.		Retail	List
756	Victorian 17 J, Cap	$65	$78

Made by KEYSTONE WATCH CASE CORPORATION, *Riverside, New Jersey*

MARTIN-COPELAND

SOLID GOLD CHAINS



No. M 33
14K White gold plated with genuine platinum, solid bars
Length 14½ ins.
$25.00

No. M 34
14K White gold, plated with genuine platinum, solid bars
Length 14½ ins.
$27.75

No. M 35
14K Green gold, solid bars
Length 14½ ins.
$20.50

No. M 36
14K White gold, plated with genuine platinum
Length 12½ ins.
$30.00

No. M 37
14K Alternating links of green and white gold, solid bars
Length 12½ ins.
$18.00

No. M 38
14K White gold, plated with genuine platinum, solid bars
Length 12½ ins.
$37.00

No. M 39
14K Green gold, solid bars
Length 12½ ins.
$24.00

No. M 40
14K White gold, plated with genuine platinum, solid bars
Length 12½ ins.
$27.75

No. M 41
14K White gold, plated with black enamel
Length 12½ ins.
$35.00

50—28

MARTIN-COPELAND
SOLID GOLD CHAINS
No. M 51
10K White gold
Length 12½ ins.
$7.00
No. M 52
12K White gold
Length 12½ ins.
$10.50
No. M 53
10K Green gold, solid bars
Length 12½ ins.
$10.50
No. M 54
10K White gold
Length 12½ ins.
$13.50
No. M 55
10K Green gold, solid bars
Length 12½ ins.
$11.00
No. M 56
14K White gold
Length 12½ ins.
$11.50
No. M 57
10K Green gold, solid bars
Length 12½ ins.
$15.00
No. M 58
10K White gold
Length 12½ ins.
$10.50
No. M 59
10K White gold
Length 12½ ins.
$11.00

WALTHAM
WRIST WATCHES

3/0 Size Strap Watches

Fitted with Waltham No. 367 17-jewel Adjusted —No 365 15-jewel —and No 361 7-jewel Movements

Dial No. 724
Luminous or Plain

Dial No. 301
Luminous or Plain

Dial No. 712
Luminous or Plain

Dial No. 690
Luminous or Plain

Illustrations seven-eighths actual size

Dial No. 51-S
Plain

Dial No. 680

Luminous or Plain Dials

Dial No. 304

Dial No. 303
Luminous or Plain

WALTHAM

WRIST WATCHES

Brocaded
Dial No. 609

Dial
No. 64B7/8
Etched or
Plain

Dial No. 672
Luminous,
Etched or
Plain

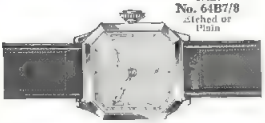
Dial No. 61
Luminous,
Etched or
Plain

Dial No. 668
Luminous

6/0 Size

Strap and Ribbon Wrist Watches

Fitted with Ruby 17 Jewel Adjusted Sapphire 15 Jewel and No. 561 7-Jewel Movements. Luminous Etched and Plain Dials. Dials No. 672, 706 and 61 supplied in 18K Gold Applied Figures or Sterling Silver.



Dial No. 600
Luminous,
Etched, or
Plain

Dial No. 706
Luminous,
Etched, or
Plain

Dial No. 683
Luminous,
Etched, or
Plain

Illustrations seven-eighths actual size

10 Ligne

Strap and Ribbon Wrist Watches

Fitted with Lady Waltham 15 Jewel and No. 561 7 Jewel Movements. Luminous, Etched, or Plain Dials.

Brocaded
Dial No. 1002

Dial No. 694
Luminous,
Etched or
Plain

Dial No. 709
Luminous,
Etched, or
Plain

Dial No. 1003
Etched or
Plain

Applied 18k
Raised Figure
Dial

Dial No. 709
Luminous,
Etched, or
Plain

Dial No. 711
Embossed
Raised Figures

Dial No. 707
Luminous or
Plain

WALTHAM WATCH COMPANY ~ WALTHAM ~ MASSACHUSETTS

COES' GENUINE WRENCH

Standard List

KNIFE HANDLE—BLACK FINISH

Handle—Cast semi-steel frame, hardwood sides, secured at both ends by insertion under metal and riveted under pressure. The soundest, strongest wood handle made.

Screw—Steel, hardened and in one piece. Imitations are sometimes in two or three parts.

Jaw—Semi-steel casting. Hardened.

Bar—Steel, of special analysis and fully hardened. All parts interchangeable. Ten to fifteen per cent stronger than any imitation or substitute made by others.

Inches	6	8	10	12	15	18	21
Per Dozen List	$15.00	$18.00	$22.00	$28.00	$35.00	$48.00	$58.00
Per Dozen							

Half Dozen in a Box

AGRICULTURAL, OR STANDARD, WROUGHT IRON WRENCH

Standard List

These Wrenches are well finished, forged and are especially adapted to the wants of the general trade.

Inches	6	8	10	12	15
Per Dozen List	$10 00	$12 00	$14 00	$18 00	$24.00
Per Dozen					

Half Dozen in a Box

THE ORIGINAL WESTCOTT ADJUSTABLE "S" WRENCH

Made of a Special Grade Steel. Handle Malleable Iron, Jaw Forged Steel

Nos.	76	78	80	82
Inches	6	8	10	12
Opens in	¾	1	1⅜	1⅝
Per Dozen List	$13 75	$17.27	$20 68	$31 02
Per Dozen				

Half Dozen in a Box

PIPE WRENCHES

STILLSON PATTERN

Standard List

Drop Forged from High Grade Tool Steel, 6 to 14 inch, Wood Handles.

Length, inches open	6	8	10	12	14
For Pipe in.	⅛ to ¾	⅛ to ¾	⅛ to 1	¾ to 1¼	¼ to 1½
Each List	$2 00	$2 25	$2 50	$3 00	$3 50
Each					

Half Dozen in a Box

PIPE WRENCHES

Steel Handles, 18 to 24 inches. Standard List.

Length, inches open	18	24
For Pipe in.	¼ to 2	¼ to 2½
Each List	$5 00	$7 25
Each		

Half Dozen in a Box

"TRIMO" PIPE WRENCH

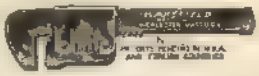
Standard List

Drop Forged, Movable Jaw, All Steel Handle

Length in	6	8	10	14	18	24
For Pipe in	⅛ to ½	⅛ to ¾	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½
Each, List	$2 00	$2 25	$2 50	$3 50	$5 00	$7.25
Each						

Half Dozen in a Box

BICYCLE WRENCHES

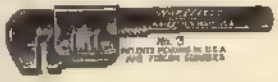


Hardened Steel, Knurl Guard Protection, Satin Finish

No.	Length Inches	Opens Inches	Thickness of Jaws Inches	Weight Ounces
1	5	1⅝	3/16	4
Per Dozen List				$2 40
Per Dozen				

Each in a Carton

BICYCLE WRENCHES



Made from High Grade Steel, Knurled Nut is Guarded, Cannot Lose the Adjustment, Polished and Mottled

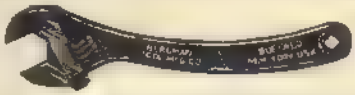
No. **3.** Length 5½ inches. Opens 1½ inches. Jaws ¼ inch thick.

Each, List ..... $ .66

Each

One in a Carton

QUEEN CITY ADJUSTABLE WRENCH



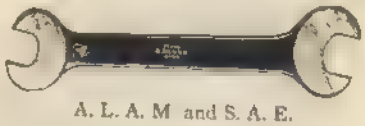
Fits the Hand, Angle 22½ Degrees, Fully Warranted

Made from drop forged steel. Adjusting screw, case hardened and heavily knurled. Jaw made from steel of special high tensile strength. Square hole in handle serves as a solid wrench. Highly polished, with center web, black oil finish.

Inches	4	6	8	10	12
Capacity in.	½	¾	15/16	1⅛	1⅜
Solid Wrench in.	⅜	¼	5/8	⅝	⅞
Per Dozen List	$11 55	$11 55	$14 19	$17.82	$26 73
Per Dozen					

Packed in Individual Cartons

STRAIGHT BAR WRENCHES 15° ANGLE



A. L. A. M. and S. A. E.

Drop Forged, Ends Ground and Polished, Bodies Black Enameled

168

Nos.	Opening Parallel Inches	For A. L. A. M. Standard Nuts and Cap Screws, Size of Bolts for Cap Screws	Extreme Length Inches	Each List	Each
731A	3/4 & 3/8	1/4 & 3/8	7 3/4	$0 66	
33C	1/2 & 1	5/16 & 7/16	9 1/4	82	
		For S. A. E. Standard			
725	3/4 & 1/2	1/4 & 5/16	4 7/8	.38	
727	5/8 & 3/4	3/8 & 1/2	5 1/2	46	

Half Dozen in Box

BONNEY No. 60. DROP FORGED WRENCH ASSORTMENT

Contains three each of ten different drop-forged wrenches of the most popular sizes. Suitable for farm, machine and automobile use. There are seven sizes of 22½-degree General Purpose Wrenches Nos. 700, 702, 704, and seven sizes of Universal Thin Jaw Engineers' Wrenches each numbered. These sizes are Nos. 21, 23, 25, 27, 29, 31 and 34. The numbers indicate length, size of opening, etc.

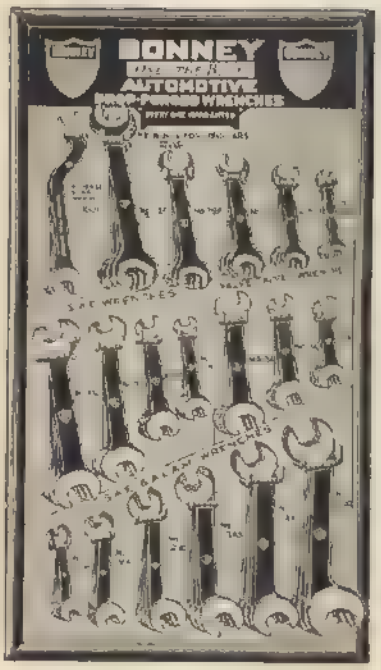
All of the wrenches are hardened and the ends are ground and polished. The bodies are finished in dead-black enamel. The display board is equipped with hooks to hold three wrenches of each size, and the number as well as the suggested resale price is found at the side of each set of hooks. Size of display board 7½x26 inches; shipping weight of display board and thirty wrenches, 20 pounds. The wrenches may be bought separately.

No. 60. Assortment Complete, Display Board and Thirty Wrenches

List Each..... $13.75

Each.....

Packed One Set in a Carton



BONNEY No. 70 AUTOMOTIVE WRENCH ASSORTMENT

This Assortment contains four each of nineteen different Bonney Special Finished Drop Forged Wrenches. The wrenches are classified in four groups.

Group 1—A complete range of sizes and patterns to turn all nuts on a Ford car, including a special wrench for brakes and reverse gear

Group 2—Four sizes, eight different openings, the most used 15-degree angle wrenches in S. A. E. millings

Group 3—Three sizes, six different openings, of wrenches for S. A. E. Valve Tappets

Group 4—A common sense range of openings in six 22½-degree angle wrenches, which covers the most generally used nuts in U. S., S. A. E., and A. L. A. M. standards from 5/16 inch to 7/8 inch inclusive.

The purpose of this assortment is to furnish the dealer, at a reasonable price, a complete stock of the most generally used, and most salable sizes of Drop Forged wrenches, together with a display fixture which will actually assist the owner in making sales.

A full description of the Wrenches in this assortment are given under the classified listings of the various patterns.

The wrenches supplied with this assortment are all Drop Forged highest quality steel openings milled, and wrenches case hardened all over. The heads are polished, and bodies are finished in black enamel. The quality, workmanship and finish is guaranteed to be the highest, and all wrenches are warranted.

The display board is made of soft wood, covered with heavy gauge metal, highly lithographed in colors. The metal covering is securely held by a moulding 1½ inches high, and the lithographic process is permanent and will not crack or peel. It may easily be cleaned with a damp cloth. The size of the board is 31½ inches high by 16½ inches wide by 1½ inches thick.

Each board is packed in an individual shipping container. The wrenches are packed in cardboard cartons, and each assortment in an individual shipping container.

No. 70. Assortment Complete, Display Board and 76 Wrenches

Each List..... $49.50

Each

TWIN "CROCODILE" WRENCHES

No. 10

Drop Forged, teeth milled diag[illegible] polished. The steel used is high in carbon and [illegible]

No.	10
Length, Inches	10
Holds Pipe, Inches	[illegible] to ¾
Holds Round Iron, Inches	⅛ to 1
Each List	$1 10
Each	[illegible]

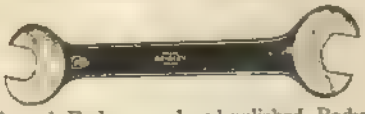
GENERAL PURPOSE WRENCHES

--15 Degrees Angle
Drop Forged Ends ground and polished, Bodies Dead Black Enamel

No.	Openings Finished Inches	Extreme Length Inches	Each List	Each
500	[illegible]	[illegible]	$0 40	
502	[illegible]	[illegible]	44	
504	[illegible]	[illegible]	1 48	

Half Dozen in a Box

ENGINEERS' WRENCHES



Drop Forged, Ends ground and polished, Bodies Dead Black Enamel

No.	For U. S. Standard Nuts Size Inches	Openings Metric	Extreme Length	Each List	Each
21	[illegible]	[illegible]	[illegible]	$0 24	
23	[illegible]	[illegible]	[illegible]	33	
25	[illegible]	[illegible]	[illegible]	38	
27	[illegible]	[illegible]	[illegible]	46	
29	[illegible]	[illegible]	[illegible]	55	
31	[illegible]	[illegible]	[illegible]	66	
34	[illegible]	[illegible]	[illegible]	66	

Half Dozen in a Box

FORD CAR WRENCHES

15-Degree Angle. Nos. 23F, 25F, 27F, 29F, 33F

No. 100F. Reverse Gear

Drop Forged, Ends Ground and Polished, Bodies Black Enameled

Nos.	Openings Finished	For Nuts and Cap Screws	Length Inches	Each List	Each
23F	[illegible]	[illegible]	4½	$0.31	
25F	[illegible]	[illegible]	5	.38	
27F	[illegible]	[illegible]	6	.46	
29F	[illegible]	[illegible]	6¾	.55	
33F	[illegible]	[illegible]	9	.82	
Reverse gear 100F	[illegible]		8¾	.77	

Half Dozen in a Box

AUTOMOBILE WRENCHES

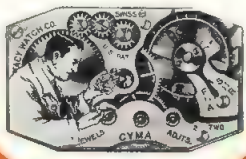
22½ Degree Angle. U. S., S. A. E. A. L. A. M.
Drop Forged Ends Ground and Polished, Bodies Black Enameled

No.	Openings	Length	PITS S. A. E.	PITS A. L. A. M.	PITS U. S. Bolt Size	PITS Hex Cap	Each List	Each
550AS	[illegible]	4¾	[illegible]	[illegible]	[illegible]	[illegible]	$0 24	
551AS	[illegible]	5¾	[illegible]	[illegible]	[illegible]	[illegible]	46	
552AS	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	60	
553AS	[illegible]	8¼	[illegible]	[illegible]	[illegible]	[illegible]	.77	
554AS	[illegible]	9⅜	[illegible]	[illegible]	[illegible]	[illegible]	1.06	
555AS	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	1 41	

Half Dozen in a Box

World Famous CYMA WATCHES

On time all the Time



THE DIFFERENCE IS INSIDE

CY 900 CYMA, 6¾ ligne, 15 jewels, 14K. solid white gold case, two diamonds and four imitation blue sapphires **$55.00**

CY 901—CYMA, 6¾ ligne, 15 jewels, 14K. solid white gold case, two diamonds and four imitation blue sapphires **$55.00**

CY 902 CYMA, 6¼ ligne, 15 jewels, 14K. solid white gold case, two diamonds and four imitation blue sapphires **$60.00**

CY 903 CYMA, 6½ ligne, 15 jewels, 14K. solid white gold case, two diamonds and four imitation blue sapphires **$60.00**

CY 904—CYMA 6½ ligne, 15 jewels, 14K. solid white gold case, four diamonds and four imitation blue sapphires **$70.00**

CY 905—CYMA, 6½ ligne, 15 jewels, 14K. solid white gold case, four diamonds and four imitation blue sapphires **$70.00**

CY 906 CYMA 6½ ligne, 15 jewels, 14K solid white gold case, four diamonds and four imitation blue sapphires **$70.00**

CY 907—CYMA, 5¼ ligne, 15 jewels, 14K. solid white gold case, two diamonds and four synthetic sapphires **$75.00**

CY 908—CYMA 6½ ligne 15 jewels, 14K solid white gold case, four diamonds and two synthetic sapphires **$75.00**

CY 909—CYMA, 6½ ligne, 15 jewels, 14K. solid white gold case, four diamonds and six imitation blue sapphires. **$75.00**

CY 910—CYMA 5¼ ligne, 15 jewels, 14K solid white gold case, four diamonds and four synthetic sapphires **$85.00**

CY 911 CYMA, 6½ ligne, 15 jewels, 14K. solid white gold case, six diamonds and six synthetic sapphires ... **$100.00**

All Watchmakers respect the Cyma. For many years watchmakers have seen different makes of timepieces appear and disappear.

The Cyma is an ancient and honorable name, known by every man on this earth who ever sat at a watchmaker's bench.

If the public only knew what every watchmaker knows about the inside of a Cyma watch, every Cyma would be sold before it could be made.

The beauty of Cyma exterior designs can be judged by anyone.

The latest and most fashionable styles are used in unending varieties.

Beauty of Cyma interior workmanship is told to the watch expert alone through his high-powered glass.

All Watches Illustrated Seven-Eighths Actual Size

UNIQUE COMBINATION GIFT-DISPLAY BOX FURNISHED WITH EACH WATCH

World Famous CYMA WATCHES

On time all the Time

MAGNIFIED VIEW
OF CYMA MOVEMENT

THE WORLD FAMOUS CYMA WATCH is recognized by the foremost technical authorities of all lands as being one of the most wonderful examples of timekeeping machinery ever made.

In buying a watch the name is all-important. Far more important than anything else.

A watch is composed of over one hundred parts and requires in manufacture a thousand or so different processes.

There are 1000 reasons why you should be sure of the watch you buy.

All Watches Illustrated Seven-Eighths Actual Size

CY 920—CYMA, 10½ ligne, 15 jewels, white R. P. chromium finish engraved case **$22.50**

CY 921—CYMA, 10½ ligne, 15 jewels, white R. P. chromium finish engraved case **$22.50**

CY 922—CYMA, 10½ ligne, 15 jewels, white R. P. chromium finish engraved case **$22.50**

CY 923—CYMA, 6¾ ligne, 15 jewels, white R. P. chromium finish engraved case **$26.50**

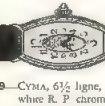
CY 924—CYMA, 6¾ ligne, 15 jewels, white R. P. chromium finish engraved case **$26.50**

CY 925—CYMA, 6¾ ligne, 15 jewels, white R. P. chromium finish engraved case **$26.50**

CY 926—CYMA, 6¾ ligne, 15 jewels, white R. P. chromium finish engraved case **$28.50**

CY 927—CYMA, 6¾ ligne, 15 jewels, white R. P. chromium finish engraved case **$28.50**

CY 928—CYMA, 6¾ ligne, 15 jewels, white R. P. chromium finish engraved case **$28.50**



CY 929—CYMA, 6½ ligne, 15 jewels, white R. P. chromium finish engraved case **$32.50**

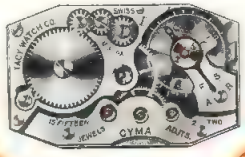
CY 930—CYMA, 6½ Ligne, 15 jewels, white R. P. chromium finish engraved case **$32.50**

CY 931—CYMA, 6½ ligne, 15 jewels, white R. P. chromium finish engraved case **$32.50**

UNIQUE COMBINATION GIFT-DISPLAY BOX FURNISHED WITH EACH WATCH

World Famous CYMA WATCHES

On time all the Time



MAGNIFIED VIEW OF CYMA MOVEMENT

CY 940 CYMA, 6¾ ligne, 15 jewels, 14K solid white gold engraved case $35.00

CY 941 CYMA, 6½ ligne, 15 jewels, 14K solid white gold engraved case $35.00

CY 942 CYMA, 6¾ ligne, 15 jewels, 14K solid white gold engraved case $35.00

CY 943 CYMA, 6½ ligne, 15 jewels, 14K solid white gold engraved case $37.50

CY 944 CYMA, 6¾ ligne, 15 jewels, 14K solid white gold engraved case $37.50

CY 945 CYMA, 6½ ligne, 15 jewels, 14K solid white gold engraved case $40.00

CY 946—CYMA, 6½ ligne, 15 jewels, 14K solid white gold engraved case $40.00

CY 947—CYMA, 6½ ligne, 15 jewels, 14K solid white gold engraved case $45.00

CY 948 CYMA 6½ ligne, 15 jewels, 14K solid white gold engraved case $45.00

CY 949 CYMA, 5¼ ligne, 15 jewels, 14K solid white gold engraved case $50.00

CY 950 CYMA, 5¼ ligne, 15 jewels, 14K solid white gold engraved case $50.00

CY 951 CYMA 6½ ligne 15 jewels, 14K solid white gold engraved case with green gold numerals $50.00

WHERE CAN I GET PARTS FOR CYMA WATCHES? The answer is that marvelously interchangeable Cyma parts can be obtained anywhere, instantly, at all times.

In the United States, for instance, stocks of Cyma watches are permanently carried in every large city

This was true years before, say 1906 it is true for the present it will be true for the near and distant future

Remember an intricate mechanical product is no better than the service built around it.

An "orphan" watch is helpless when accidents occur

Cyma means peak or mountain top. "The peak of perfection."

All Watches Illustrated Seven-Eighths Actual Size

UNIQUE COMBINATION GIFT-DISPLAY BOX FURNISHED WITH EACH WATCH

World Famous CYMA WATCHES

On time all the Time

MAGNIFIED VIEW
OF CYMA MOVEMENT

IF YOU WERE TO READ THE PAGES OF WATCHMAKING HISTORY—or if you were to have a long talk with some expert who had devoted his life to the study of watches—you would learn some interesting and astounding facts.

You would learn that with watches, as with all intricate mechanical products, there is a certain make, a certain name, of which the technical expert speaks with glowing praise; a name for which he has a real affection; a name to which he, in the pride of his craft, pays respect.

Any timepiece expert will tell you the history of this watch. He will tell you why it means so much to him; why its construction is so different, why it keeps such marvelously accurate time; why he likes to handle it, to work on it, to wish that every person would make it their choice of purchase.

Just say Cyma to the man who knows watches.

All Watches Illustrated Seven-Eighths Actual Size

CY 960—CYMA, 10½ ligne, 6 jewels, white R. P chromium finish engraved case **$14.00**

CY 961—CYMA, 10½ ligne, 6 jewels, white R. P chromium finish engraved case **$14.00**

CY 962—CYMA, 10½ ligne, 6 jewels, white R. P chromium finish engraved case **$14.00**

CY 963 CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$18.50**

CY 964 CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$18.50**

CY 965—CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$18.50**

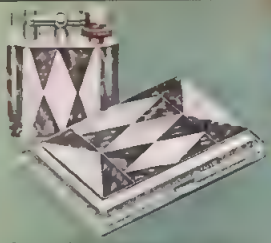
CY 966—CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$18.50**

CY 967—CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$18.50**

CY 968—CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$20.00**

CY 969—CYMA, 6¾ ligne, 6 jewels, white R. P chromium finish engraved case **$20.00**

UNIQUE COMBINATION GIFT-DISPLAY BOX FURNISHED WITH EACH WATCH



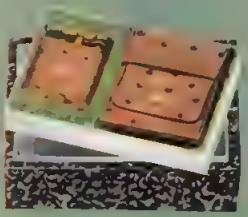
GW 125 [illegible] Retail price $31.50

"SUREST thing you know"

GW 126 [illegible] In de luxe gift box Retail price $18.00

GW 127 Special set in ostrich grain [illegible] In gift box Retail price $10.50

GW 128–Special set in alligator grain leather In gift box Retail price $10.50



GW 129 De Luxe Set [illegible] humidor gift box Retail price $21.00.

NATIONALLY ADVERTISED

GOLDEN WHEEL

U.S. PATENTS 631855 and 666808

The Lighter with the Lifetime Guarantee

Henry Lederer & Bro., Inc. Providence, Rhode Island

NATIONALLY ADVERTISED

GOLDEN WHEEL

U.S. PATENTS 1637855 and 1666809

The Lighter with the Lifetime Guarantee

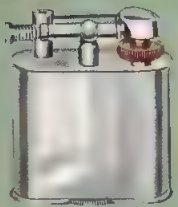
Built for Supreme Service and Lasting Satisfaction

This Golden Wheel Filling Station is a business builder. You should have it on your counter. Ask how you can obtain one without charge.

ON this and the following three pages the Golden Wheel Lighters shown represent the highest type of quality to be found in the field. The extreme simplicity of design is protected by patents, and the smooth certainty of operation for which this lighter is known the country over is the result of painstaking jewelry craftsmanship. Only in Golden Wheel can you offer your customers the genuine Platichrome finish and the lifetime guarantee.

"SUREST thing you know"

All prices shown are retail list, subject to standard jewelry discounts.



GW 102 Junior size. Platichrome finish. Retail price $7.50.

GW 103 Junior size. Green Gold finish. Retail price $7.50.

GW 101—Standard size, Platichrome finish. Retail price $7.50. Golden Wheel Lighters come packed in individual steel gift boxes or six to a unit-display in whatever assortments are desired.

GOLDEN WHEEL

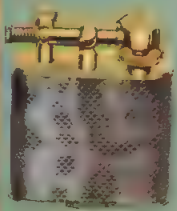
The Lighter with the Lifetime Guarantee

U. S. Patents 1637855 and 1666809

GW 104- Junior size in genuine ostrich with elegant enamel plaque. Retail price **$11.25.**

GW 105- Standard size in Black Morocco with 14k gold shield. Retail price **$11.25.**

GW 106- Junior size in genuine shark skin, beige color. Retail price **$10.50.**



GW 107 Junior size. Genuine water snake. Retail price **$10.50.**

GW 108 Standard size. Genuine calf, alligator grain. Retail price **$9.75.**

GW 109 Junior size in genuine ostrich. Retail price **$9.75.**

GW 110 Junior size. Engine-turned Platichrome finish. Retail price **$9.00.**

GW 111- Standard size. Engine-turned, Platichrome finish. Retail price **$9.00.**

GW 112 Junior size. Engine-turned Green Gold finish. Retail price **$9.00**

"SUREST thing you know!"

GW 113- Junior size. Antique gold finish- stone-set peacock design. Retail price **$10.50.**

GW 114- Standard size. Inlaid pearl design. Retail price **$13.50.**

GW 115- Junior size. Inlaid pearl design. Retail price **$13.50.**

All lighters come in individual gift boxes unless otherwise ordered.

GOLDEN WHEEL *The Lighter with the Lifetime Guarantee*

U. S. Patents 1637855 and 1666809

GW 116 Longchamps enamel in the modern art manner. Retail price **$9.00.**

GW 117- Watch lighter with guaranteed 42-hour movement. In Longchamps enamel. Retail price **$40 50.** In de luxe gift box

GW 118- Junior size. Longchamps enamel Retail price **$9.00.**

GW 119 - Junior size Longchamps enamel Retail price **$9.00.**

GW 120- Engine-turned watch lighter with guaranteed 42-hour movement Retail price **$34.50.** In de luxe gift box

GW 121 - Junior size. Longchamps enamel. Retail price **$9.00.**

GW 122 Storm-king, out-of-doors model In Plati chrome Retail price **$10.50.**

GW 123 Watch Lighter, Platichrome finish, with guaranteed 42-hour move ment Retail price **$33.00.** In de luxe gift box.

GW 124- Special Set Pearl inlaid lighter and genuine amber cigarette holder with genuine pearl inlay to match lighter In de luxe gift box Retail price **$21.00.**

All lighters come in individual gift boxes unless otherwise ordered.

STANLEY IRON BLOCK PLANES

No. 102

No. 103

No.		Length Inches	Cutter Inches	Each List	Each
102.		5½	1¼	$1.21	
103.	Adjustable	5½	1¼	1.65	
110.		7½	1¾	1.65	
120.	Adjustable	7½	1¾	2.31	

One in a Box

No. 220. Block Plane, Adjustable, 7½ Inches in Length, 1¾ Inch Cutter

The adjustment of the No. 220 is of a recent design, and a great improvement over any adjustment heretofore offered on any block plane at equal price

Each List..... $2 42

Each...

One in a Box

No. 130. Block Plane (Double Ender), 8 Inches, 1¾ Inch Cutter

This Plane has two slots and two cutter seats. By reversing the position of the cutter and the clamping wedge, it can be used close up into corners, or other difficult places

Each List.. $2 42

Each

One in a Box

LOW ANGLE BLOCK PLANES

These Planes have the cutters set at a very low angle, which is of great advantage when working across the grain. The adjustment is of a most approved design. These Planes have the "Handy" feature

No. 65. Nickel Trimmings, 7 Inches in Length, 1¾ Inch Cutter

Each List $4 51

Each

One in a Box

BAILEY ADJUSTABLE WOOD PLANES

When the Bailey Iron Planes were first placed on the market in the "sixties," the only Planes then in use were made with wood bottoms. Although we have sold thousands of Iron Planes there is still a large demand for a Plane with a wood bottom.

The bottom of the Bailey Wood Plane is made from selected and well-seasoned Beech, and it is particularly well adapted for use in working on certain wood. The working parts of the Bailey Wood Plane are the same as those of the Bailey Iron Plane, different only in detail, where the extra thickness of the wood bottom has to be taken into consideration.

Wood Bottom Handled Smooth Plane

Style of No. 35

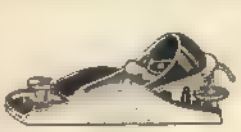
Wood Bottom Jack Plane

Style of Nos. 27 to 32

No.		Length Inches	Cutter Inches	Each List	Each
35.	Handled Smooth	9	2	$5 72	
27½.	Jack	15	2¼	5 83	
28.	Fore	18	2⅜	6 38	
32.	Jointer	26	2⅜	7 48	

One in a Box

BAILEY ADJUSTABLE BLOCK PLANES



These Block Planes stand as the highest type of Block Plane manufactured. Each Plane has an adjustable throat. This adjustment allows the opening or closing the throat of the Plane as coarse or fine work may require

These Planes are now made with the "Handy" feature, which gives the workman a more secure grip on the tool than is possible in any other design.

No.		Length Inches	Cutter Inches	Each List	Each
9½.	Block Plane	6	1¾	$3 21	
17.	Nickel Trimmings	7	1¾	3 96	

One in a Box

METALLIC PLUMBS AND LEVELS

No. 36

Style of 6 and 9 inch

Both Plumb and Level Glasses are set in a metal case. The bottom of each case is machined so as to fit accurately on supports cast in the frame of the Level. The case is held firmly on the supports by means of cone centers which engage each end of the case. The center lines of the case and the cones are eccentric. The metal case is readily removed from the Frame by slackening the cone centers. It is possible to adjust these Levels or to accurately insert new glasses by placing paper between the case and its supports. These Levels are now being made in such quantities that they are offered for sale at a price making them available to all.

No. 36

Style of 12, 18 and 24 inch

No. 36. Japanned, Nickel Plated Trimmings, with Proved Glasses, Two Plumbs

Sizes, Inches	6	9	12	18	24
Each List	$2 97	$3 52	$4 18	$5 06	$5 72

Each.

One in a Box

PLUMB BOBS

		Per Dozen List	Per Dozen.
No. 1.	¾ lb. each, Polished and Nickeled.	$2 20	..
No. 2.	½ lb. each, Polished and Nickeled.....	2 97	
No. 3.	¾ lb. each, Polished and Nickeled .	3 74	
No. 4.	1 lb. each, Polished and Nickeled ..	4 84	
No. 1A.	½ lb. each, Japanned.. ...	1 76	
No. 2A.	½ lb. each, Japanned . .	2 42	
No. 4A.	1 lb. each, Japanned ..	2 75	..

One Dozen in a Box

BAILEY ADJUSTABLE IRON PLANES

No. 3

No. 5

From early times the method of making Plane Irons was wedge shaped, heavier at the cutting edge; not with any reverence to the principle involved but for the reason that when inserted in the Plane Stock and fastened in with a wooden wedge, this shape prevented the Irons from being driven back. One idea of the originator of the Bailey Plane was to produce a Plane in which an Iron of uniform thickness could be held firmly.

The many advantages of such an Iron as made by this company are well known to every wood worker.

1. Ease of Grinding.

2. Less Grinding, as a thin iron can be kept in condition by honing.

3. Less tendency to "stub off" the cutting edge when honing; hence the original bevel is kept much longer.

The proper bevel at which a Bailey Iron should be ground is at an angle of about 25 degrees. This gives a stiff cutting edge.

		Length Inches	Cutter Inches	Each List	Each
No. 3.	Smooth	8	1¾	$5 61	
No. 4.	Smooth	9	2	5 94	
No. 5.	Jack	14	2	7.04	
No. 6.	Fore	18	2⅜	9 13	

One in a Box

CORRUGATED BOTTOMS

		Length Inches	Cutter Inches	Each List	Each
No. 3C.	Smooth Plane.	8	1¾	$5 94	
No. 4C.	Smooth Plane	9	2	6 49	
No. 5C.	Jack Plane	14	2	7.48	
No. 6C.	Fore Plane	18	2⅜	9.57	

One in a Box

KNUCKLE JOINT BLOCK PLANES

The knuckle joint in the cap makes it a lever, too; and placing the cap in position will also clamp the cutter securely in its seat. These Planes have the "Handy" feature, adjustable throat, Bailey adjustment and Lateral adjustment.

No. **18.** Nickel Trimmings, 6 Inches in Length, 1¾-inch Cutter
Each List $4 00

Each .....

No. **19.** Nickel Trimmings, 7 Inches in Length, 1¾-inch Cutter
Each List 4 51

Each .....

STANLEY SCRAPER PLANE

Double Handle Veneer Scraper Planes

N°12¼

The handles are of Rosewood with a double grip, and, being placed across the center of the tool, give it a good balance. The blades are adjustable endwise and for angle, and can be firmly locked in position desired.

They can also be used as Turning Planes, doing excellent work in scraping old paint or glue, and in roughing up the surface of wood preparatory to veneering same.

No. **12¼.** 6¼ Inches Long, 2-inch Blade, Japanned Iron Face
Each List $5 83

Each .....

One in a Box

SMOOTH AND JACK PLANES

The above are single cutter planes with heavy iron caps which prevent vibration of the cutters.

The cutters are made of best quality cast steel, beveled and tempered by a special process that insures a perfect cutting edge.

No. **25.** Smooth Plane, 9 Inches Long, 1¾-inch Cutter, Rosewood Finish Wood Knob and Handle

Each List $2 20

Each .....

No. **75.** Jack Plane, 15 Inches Long, 2-inch Cutter, Rosewood Finished Wood Knob and Handle

Each List $2 75

Each .....

One in a Box
One in a Box

BLOCK PLANE

Cutters of Best Crucible Steel, Carefully Tempered

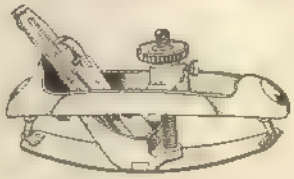
No. **701.** 7½ Inches Long, 1⅝-inch Cutter

Each List $1 43

Each .....

One in a Box

IMPROVED VICTOR CIRCULAR PLANE



This is a very superior tool and all its parts are specially designed with the object of eliminating any lost motion due to wear. There are less parts subject to lost motion in this Plane than in any other Circular Plane. The ends of the flexible face being fixed and the fine adjustment at the center, great accuracy of adjustment is possible and the face is firmly held in position.

The flexible steel face of this Plane can be made concave or convex, by turning the screw which is attached to its center.

No. **20.** Circular Plane, Nickel Plated, 1¾-inch Cutter
Each List $11.44

Each .....

One in a Box

DUPLEX RABBET PLANE AND FILLETSTER

N°78

Remove the arm to which the fence is secured, and a Handled Rabbet Plane is had, and with two seats for the Cutter so that the tool can be used as a Bull-Nose Rabbet if required.

The arm can be screwed into either side of the Stock, making a superior right or left hand Filletster, which by means of adjustable fence is adapted for working rabbets of the smallest width.

This Plane is fitted with a spur so that it can be used for working across the grain when necessary and also has a depth gauge. This tool deserves a place in every "Carpenter's Kit".

No. **78.** Iron Stock and Fence, 8½ Inches in Length, 1⅝-inch Cutter

Each List $4 40

Each .....

One in a Box

DOUBLE-END MATCH PLANE

[illegible] Groove [illegible] Plane will [illegible] Groove to fit. The Tonguing [illegible] on one [illegible] on thicker stuff than the Plane will tongue and groove [illegible]

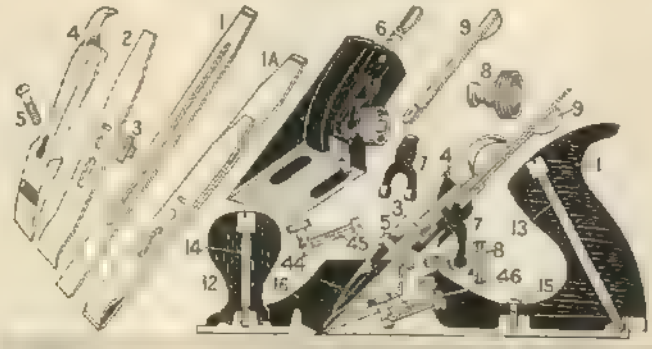
No. 148. Nickel Plated. Matches ¾-inch Boards. Cuts Groove ¼ inch

Each List $6 49

Each

One in a Box

"BAILEY" IRON PLANES



No.	Name of Part	1	3	4	4½	5	6	7	8
		2	3½	4½	4½				
3	[illegible]								
4	[illegible]								
5	[illegible]								
6	[illegible]								
7	[illegible]								
8	[illegible]								
9	Lateral Adjusting Lever								
10	[illegible]								
11	[illegible]								
12	[illegible]								
13	[illegible]								
14	[illegible]								
15	[illegible]								
16	[illegible]								
46	[illegible]								

FOR ALL NUMBERS

Adjustable Throat Plate

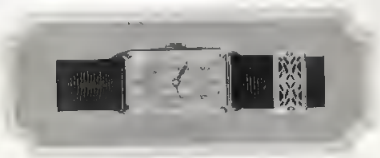
"BAILEY" AND STANLEY BLOCK PLANES

No.	Name of Part	9½	15	16	18	60	61	63	65½
		9½	15½	7	19	60½	62	63	65½
1	Single Plane Iron.	For Prices see page 127							
4	[illegible]	$							
5	[illegible]								
6	[illegible]								
8	[illegible]								
9	[illegible]								
11	[illegible]								
18	[illegible]								
21	[illegible]								
22	[illegible]								

STANLEY BLOCK PLANES

No.	Name of Part	100	102½	101	103	110	120	130	131	140	201	22
1	[illegible]	For Prices see page 127										
4	[illegible]	60	10	20	20	.30	20	20	.30	20	20	20
5	[illegible]								10	.10	.10	10
6	[illegible]							30		.30	20	20
8	[illegible]								20	.20	20	20
12	[illegible]					20	20	20	.30	30	30	30
16	[illegible]			20	40	50	60	70	1 40	1 50	50	60
18	[illegible]									25		
19	[illegible]									25		

Elgin Rectangular Bracelet Watches



800—$55.00

17 Jewel Elgin movement fitted in 18 karat white gold case, decorated with black and white hard enamel lines. Rectangular open opening. List price, $80.40.

801—$85.00

17 Jewel Elgin movement fitted in 18 karat white gold engraved and enamel case. Oval dial opening. List price, $80.40.

802—$60.00

15 Jewel Elgin movement fitted in a 14 karat white gold case, raised figure dial. Full rectangular opening. List price, $64.10.

803—$50.00

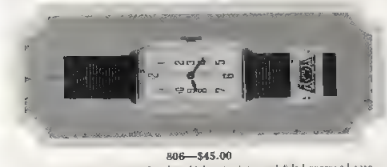
15 Jewel Elgin movement fitted in a 14 karat white gold case, raised figure dial. Oval opening. List price, $64.10.

804—$65.00

15 Jewel Elgin movement fitted in 14 karat white gold case with small rectangular opening, raised gold figure dial. Bands gold plated to match. Case and ends of proper length to embrace top of two covers of hard enamel. List price, $68.10.

805—$47.50

15 Jewel Elgin movement fitted in 14 karat white gold filled engraved oval opening case, oval dial with green hard enamel. The only pearl in the raised figure dial is colored to harmonize with the enamel used in the bezel. List price $62.70.



806—$45.00

15 Jewel Elgin movement fitted in 14 karat white gold filled engraved case. Full rectangular opening and raised figure dial. The above watch can also be had with oval opening case. List price, $50.00.

807—$35.00

14 karat white gold filled case. Project Parisienne model available with black jade or ruby enamel with ribbons to match color. Shipped direct from factory on order from wholesaler. List price, $38.90.

808—$35.00—14 karat white gold filled case. Diamond stones in opening. Madame Agnes Parisienne model available with black jade or ruby enamel with ribbons to match color. Shipped direct from factory on order from wholesaler. List price, $38.90.

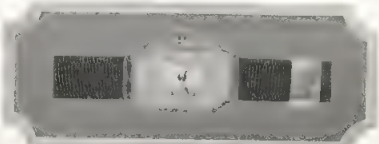
809—$35.00—14 karat white gold filled case. Madame Jenny Parisienne model, which may be had in either black, jade or ruby enamel, with ribbons to match in color. Shipped direct from factory on order from wholesaler. List price, $38.90.

The $35.00 rectangular watch can also be had in white gold filled engraved bezel case, without enamel, either full rectangular opening or oval opening at $38.90 list. For other combinations in Ladies' Elgin Bracelet Watches see following pages 58, 67, 59.

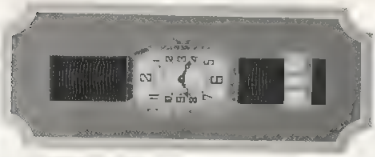
(Cuts shown are exact reproductions, photographed directly from the goods.)

Ladies' American Bracelet Watches

No. 811 14k Solid White Gold (Keystone List $64.10.) Retail Price **$60.00**
No. 812 14k White Gold Filled (Keystone List $50.00.) Retail Price **45.00**
Waltham 7/4 ligne, 15 Jewel, rectangular movement, fitted with raised figure silver dial Cased and timed at the factory.

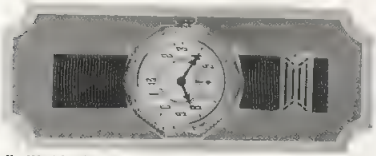


No. 813 14k Solid White Gold (Keystone List $64.10.) . . . Retail Price **$60.00**
No. 814 14k White Gold Filled (Keystone List $50.00.) . Retail Price **45.00**
Waltham 7¼ ligne, 15 Jewel, rectangular movement, raised figure silver dial Cased and timed at the factory



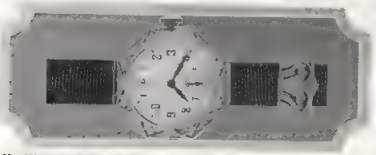
No. 815 (Keystone List $90.00) Retail Price **$75.00**
Illinois 18/0 size, 17 Jewel, rectangular movement, fitted in an 18k solid white gold three-piece case. Cased and timed at the factory.

No. 816 7 Jewel, Elgin or Waltham **$37.40**
No. 817 15 Jewel, Elgin or Waltham **46.00**
16/0 size movement, fitted in Keystone Boss 14k white gold filled, octagon shape, engraved case.



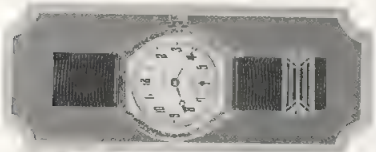
No. 818—14k Solid White Gold (Keystone List $75.20.) Retail Price **$60.00**
No. 819—14k White Gold Filled (Keystone List $58.20.) Retail Price **48.00**
Hamilton 6/0 size, 17 Jewel, fitted in octagon shape three piece case Cased and timed at the factory

No. 820—7 Jewel, Elgin or Waltham **$37.40**
No. 821 15 Jewel, Elgin or Waltham **46.00**
16/0 size movement, fitted in Keystone Boss, 14k white gold filled, tonneau shape, engraved case



No. 822 7 Jewel, Elgin or Waltham **$30.30**
No. 823 15 Jewel, Elgin or Waltham **40.70**
No. 824 15 Jewel, 6 sizes **36.70**
No. 825—Case only **6.70**
6/0 size movement, fitted in Keystone Boss, 14k white gold filled, octagon shape, engraved case.

No. 826—14k. Solid White Gold (Keystone List $75.20.) Retail Price **$60.00**
No. 827—14k White Gold Filled (Keystone List $58.20. Retail Price **48.00**
Hamilton 6/0 size, 17 Jewel, fitted in cushion shape three-piece case Cased and timed at the factory

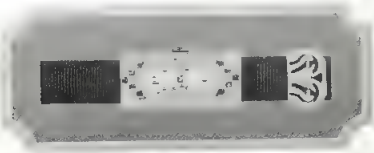


No. 828 14k Solid White Gold (Keystone List $75.20.) Retail Price **$60.00**
No. 829 14k White Gold Filled (Keystone List $58.20.) Retail Price **48.00**
Hamilton 6/0 size, 17 Jewel fitted in tonneau shape, three-piece case. Cased and timed at the factory.

No. 830—7 Jewel Elgin or Waltham **$30.30**
No. 831—15 Jewel, Elgin or Waltham **40.70**
No. 832—15 Jewel, 6 sizes **36.70**
No. 833—Case only **6.70**
6/0 size movement, fitted in Keystone Boss, 14k white gold filled, tonneau shape, engraved case.

For other combinations in American Ladies' Bracelet Watches, see pages 56, 57 and 58 for Elgin, 11 for Hamilton; 21 for Illinois; 26 for Waltham.
(Cuts shown are exact reproductions, photographed directly from the goods.)

Diamond Wrist Watches

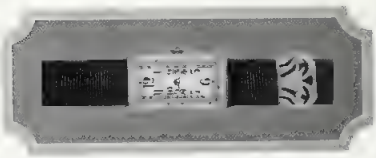


D-2400—$700.00

Platinum case containing 38 round blue-white diamonds. Also contains 8 square diamonds and 8 synthetic emeralds in wing ends. 4¾ Lugne, 17 jewel Glycine movement

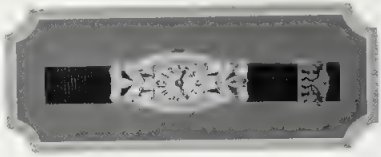
D-2401—$730.00

Platinum case containing 48 round blue-white diamonds and 2 Marquise shaped diamonds. Also 4 synthetic emeralds. 4¾ Ligne, 17 jewel Glycine movement.



D-2402—$920.00

Platinum case containing 36 blue white diamonds. 5¾ Ligne, 17 jewel rectangular Waltham movement

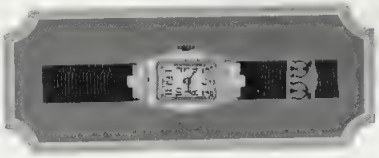


D-2403—$730.00

Platinum case containing 40 blue-white diamonds. Also 2 Marquise shaped diamonds and 8 synthetic emeralds in wing ends. 5¾ Ligne, 15 jewel Cyma movement

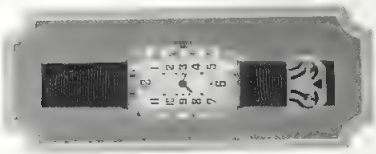
D-2404—$360.00

Platinum case containing 24 blue-white diamonds. Also 4 synthetic emeralds in wing ends. 5¾ Ligne, 15 jewel Cyma movement.



D-2405—$410.00

Platinum case with 28 blue-white diamonds. 5¾ Ligne, 15 jewel Cyma movement.

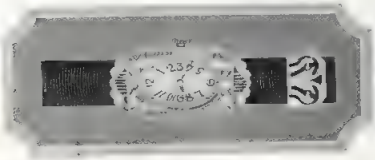


D-2406—$570.00

Platinum case containing 16 blue-white diamonds. Also 8 synthetic sapphires. 18/0 size, 17 jewel Elgin rectangular movement.

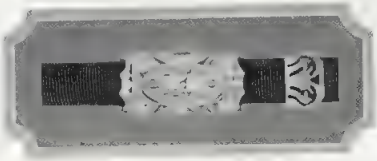
D-2407—$580.00

Platinum case containing 20 blue-white diamonds. Also 2 synthetic sapphires. 18/0 size, 17 jewel Elgin rectangular movement.



D-2408—$360.00

Platinum face on 18 karat white gold case, containing 14 blue-white diamonds. Wing end style. 18/0 size, 16 jewel Illinois rectangular movement.



D-2409—$190.00

Platinum face on 18 karat white gold case, containing 8 blue-white diamonds. Also 4 synthetic sapphires. 5¾ Ligne, 15 jewel Cyma movement.

(Cuts shown on this page are exact reproductions, photographed directly from the goods.)

18/0 or 6 3/4 Ligne Rectangular

The *Mary Todd*

17 Ruby and Sapphire Jewels

THE Eighteen-O rectangular watch was produced by Illinois to meet the approval of the most fastidious women who desire a timepiece of rare beauty and refinement in a small, thin rectangular shape, one accurate and dependable that is not a mere ornament. ¶The fine 17 jewel movement has been the pride of Illinois craftsmen, whose privilege it has been to produce it. To these people it is more than just a watch movement, it is an accomplishment they are proud of. ¶The beautiful 18K solid gold cases, used on the Mary Todd model, were designed by the best artists in the industry. They are especially artistic in appearance and worthy to become a part of Illinois. Some are hand engraved while others are hand engraved and delicately inlaid with enamel. The models illustrated on this page give an idea of the various case designs. The attractive dials illustrated are etched and finished with white silvered back ground, the numerals etched raised and gold finished.

Engraved Full Opening
18K Solid White Gold
Retail $75.00 List $86.00

Enamel Case Full Opening
18K Solid White Gold
Retail $75.00 List $86.00

SPECIFICATIONS

Size Eighteen-O or six and three-fourths ligne, 17 ruby and sapphire jewels, safety recoiling click, double roller escapement, tempered and hardened compensating balance, steel escape wheel, concaved and polished winding wheels.

Prices Subject to Change Without Notice

Engraved Full Opening
18K Solid White Gold
Retail $75.00 List $86.00

Engraved Square Opening
18K Solid White Gold
Retail $75.00 List $86.00

WATCHES

Withstand Shocks-Jars-Jolts

The exceptional sturdiness of Warwick Watches makes them ideally suited to the active woman. Under every condition of work or play, the tiny Reinforced Warwick movement functions with unfailing accuracy.

Depend upon this: The Warwick Watch you buy today will be just as accurate, as trustworthy a timepiece, years from today . . . each, regardless of the price you pay, the perfect product of the most highly skilled craftsmen in the watchmaking profession!

76166—6¾ L. 6 J. Rolled Gold Plate engraved with wide mesh wristband
Retail $18.50 List $19

715108—Same with 15 J
Retail $26.50 List $26

76149—6¾ L. 6 J. Rolled Gold Plate. Engraved Case. With dainty filigree expanding bracelet.
Retail $18.50 List $18.50

715149—Same with 15 J
Retail $25 List $25.50

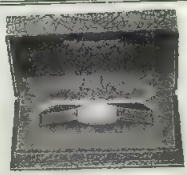
215808—6½ L. 15 J. Rolled Gold Plate, hand engraved. With woven mesh flexible bracelet.
Retail $30 List $29.50

2222 6½ L. 15 J. 14 Kt. Solid White Gold, exquisitely hand carved, with wing ends.
Retail $42.50 List $39

Rolled Gold Plate watches may be had in either White or Green Finish.

2226 6¾ L. 15 J. Rolled Gold Plate handsomely engraved and set with 4 orange or Green cut Blue sapphires. Fitted with exquisite filigree expanding bracelet. A new style watch.
Retail $41.50 List $39.50

22266—Same with 6 J.
Retail $35 List $34.50



Every Warwick Watch is sold in a beautiful box—sturdy boxes for men's watches and exquisite cases for ladies' watches.

AS NATIONALLY ADVERTISED

2132—6¾ L. 15 J. Rolled Gold Plate engraved. Very dainty.
Retail $24.75 List $24.70

21386—Same with 6 J.
Retail $18.50 List $17.50

76163—6¾ L. 6 J. Rolled Gold Plate, with raised gold figures.
Retail $16.50 List $16

2168—6½ L. 15 J. Rolled Gold Plate, black enamel inset.
Retail $29.50 List $28.50

2217—6¾ L. 15 J. hand engraved Rolled Gold Plate case ends engraved to match
Retail $25 List $25

22336—Same with 6 J
Retail $18.50 List $18

2224—6¾ L. 15 J. 14 Kt. Solid White Gold engraved hand carved, with graceful oval dial.
Retail $34.50 List $32.70

2221 6¾ L. 15 J. Rolled Gold Plate, set with 6 Emeralds
Retail $27.50 List $27

22216—Same with 6 J
Retail $22.50 List $20.50

168/2—10½ L. 6 J. Rolled Gold Plate, engraved.
Retail $21.50 List $11.50

1158 2—Same with 15 J
Retail $19.50 List $18.90

WARWICK

Reinforced Watches

326—14k rolled gold 6 J 3 piece Goldcraft case. Dial center, wide gilt all edge sport watch
Retail $7.50 List $5.50

100—10½ L. 6 J. Fancy Engraved case of strong design
Retail $9.75 List $11.50

133—10½ L. 6 J. 3 piece Engraved case
Retail $12.50 List $13.50

140—10½ L. 6 J. 3 piece Engraved case
Retail $15 List $15

312—10½ L. 16 J. Rolled Gold Plate Engraved
Retail $24.50 List $23.90
3126—Same with 6 J
Retail $18.75 List $15.50

435—10½ L. 16 J. Rolled Gold Plate
Retail $27.50 List $27

Superior quality leather straps and fine buckles come with Warwick Men's Watches.

426—10½ L. 16 J. Rolled Gold Plate newest style, with inlaid black enamel Roman dial. Has hinged ends conforming to shape of wrist.
Retail $39.50 List $39.50
427—Same with blue enamel inlaid dial.

Warwick Men's Strap Watches are in handsome leather cases, with rich velvet pad and satin lining.

Warwick Reinforced Watches for men, like Warwick Wrist Watches for women, contain the exclusive *Reinforced* Warwick Movement. Wear a Warwick through the most strenuous activity you know — it will run true — remain an unfailingly faithful timepiece for a lifetime!

The very newest and most popular Warwick styles for men are shown on this and succeeding pages . . . handsome models for sports wear, dignified styles for dress wear, to suit every preference . . . at prices as popular as the styles . . . all thoroughly dependable timekeepers!

1227—10½ L. 6 J. 3 piece engraved Goldcraft case. New style, with adjustable metal band
Retail $11.50 List $14.50

3087—10½ L. 6 J. Rolled Gold Plate engraved case. Sterling sweep second, with adjustable metal wrist band
Retail $20.50 List $23.00
1686—Same with 6 J
Retail $17.75 List $17.50

1138—10½ L. 6 J. 3 piece engraved Goldcraft case. Smart man's watch, woven mesh band adjustable
Retail $12.50 List $14

AS NATIONALLY ADVERTISED

WARWICK
Reinforced Watches
With the New Reinforced Movement

DESPITE the extraordinary advantages embodied in Warwick Watches for men and women, their prices are low.

The exclusive Warwick features — the Reinforced Movement, the original, beautiful Warwick designs — set Warwick Watches apart as outstandingly fine timepieces. And the popular Warwick price range — from $7.50 upwards — set Warwick Watches apart as the greatest dollar-for-dollar watch values it is possible to buy!

388—16½ L. 15 J. Rolled Gold Plate engraved case
Retail $21.50 List $22.90

3886—Same with 6 J.
Retail $13.75 List $15.50

116—10½ L. 6 J. Engraved Goldcraft case
Retail $9.75 List $11.50

368—6½ L. 15 J. Rolled Gold Plate case, normally engraved
Retail $24.50 List $22.90

3686—Same with 6 J.
Retail $15.75 List $15.50

504—13½ L. 15 J. Rolled Gold Plate 3 piece case, engraved
Retail $25 List $24.70

5046—Same with 6 J.
Retail $16.50 List $16

113—16½ L. 6 J. Quality plate
Retail $9.75 List $11.50

430—10½ L. 15 J. Rolled Gold Plate modern dull finish with polished corners curved to fit the wrist. A new and distinctive watch for men
Retail $25 List $26

4306—Same with 6 J.
Retail $16.50 List $16.50

AS NATIONALLY ADVERTISED

518—16½ L. 15 J. Rolled Gold Plate antique engraved case
Retail $25 List $24.70

5186—Same with 6 J.
Retail $16.50 List $16

144—16½ L. 6 J. 3 piece case, antique engraved face and side bars
Retail $13.75 List $15.50

514—16½ L. 15 J. 3 piece Rolled Gold Plate plain polish case
Retail $25 List $24.70

5146—Same with 6 J.
Retail $16.50 List $16

408—16½ L. 15 J. Rolled Gold Plate 6 case plain, flexible cases conforming to shape of wrist
Retail $27.50 List $26.00

4086—Same with 6 J.
Retail $18.50 List $17.50

147—10½ L. 6 J. Goldcraft case with stickbars engraved
Retail $14.50 List $14.30

WATCHES

With the New Reinforced Warwick Movement

It is well to know that the Warwick *Reinforced* Movement is *standardized* — which is another way of saying that the parts are interchangeable. Thus, should need for replacements arise, the exact parts are always easily, quickly available. This means that whenever or wherever replacements are made your Warwick will be as perfect a timepiece as the day you bought it!

All Warwick wrist and strap watches may be had with metal wristband at slight additional cost.

LADIES' SPORT WATCH

884—5¾ L. 15 J. Rolled Gold Plate, engraved, with green side bars.
Retail **$28.50** List $28.50

8840. Same with 6 J.
Retail $32.50 List $20.50

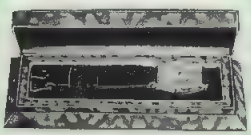
8158—10½ L. 15 J. Rolled Gold Plate, open face, with white metal case.
Retail $17 List $16.45

84368. Same with 6 J.
Retail $18.50 List $18

8707—11½ L. 15 J. Rolled Gold Plate, with adjustable metal wristband engraved to match.
Retail $30.50 List $25.90

87067. Same with 6 J.
Retail $37.75 List $17.50

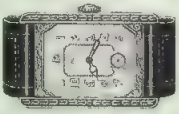
8827—11½ L. 15 J. Rolled Gold Plate with attractive metal wristband.
Retail **$26.50** List $25.90



Warwick Watch gift boxes add a distinctive note of richness to the superb timepieces they hold!

AS NATIONALLY ADVERTISED

403—10½ L. 15 J. Rolled Gold Plate, platinoid finish, case with flexible engraved ends hold with green bars.
Retail **$28.50** List $18.50



142—10½ L. 6 J. 3 Piece Goldcraft case, engraved.
Retail **$14.50** List $12.50

140—10½ L. 6 J. Quality plate, green engraved sides, white plain polish case.
Retail **$15** List $15

320—11½ L. 15 J. Rolled Gold Plate. A handsome man's watch.
Retail **$24.50** List $20.90

3206. Same with 6 J.
Retail **$16.75** List $15.50

121—10½ L. 6 J. 3 Piece Goldcraft Case, engraved.
Retail **$9.75** List $11.50

426—10½ L. 15 J. Rolled Gold Plate, engraved sides and bars.
Retail **$25** List $25

4266—Same with 6 J.
Retail **$18.50** List $17.50

SELLING AGENTS FOR
GERMANTOWN TOOL WORKS

SOLID CAST STEEL HATCHETS

Germantown Tools are guaranteed as to temper, quality and workmanship, to be as perfect goods as skilled labor, best material and an experience of over fifty years can produce.

If a Germantown Tool is found defective in any particular, it will be exchanged by the dealer from whom it was purchased.

BARREL HATCHETS

FIG. 356

Forged from one piece of Solid Cast Steel.

No.	Per dozen.
285	$12.00

PRODUCE DEALERS' POCKET HATCHETS

FIG. 357

5 inches long, 2 inches on Bit.

No.	Per dozen
286	$12.00

Half dozen in a Box, 6 dozen in a Case.

SOLID CAST STEEL LATHING HATCHETS

FIG. 358

Underhill Pattern.
Full Polished.

No.	Per dozen.
290	$16.00

FIG. 359

Round Neck.
Full Polished.

No.	Per dozen.
295	$18.00

FIG. 360

Face, 1¼ in. Square.
Extra Finish, Square Pole.
Round Neck, Full Polished.

No.	Per dozen
297	$18.00

Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL LATHING HATCHETS

FIG 361

Face 1¼ inch square.
Extra Fine Finish.
Square Pole.
Round Neck.
Nickel Plated Mansana De Jaiba Handles.

No.	Per dozen.
298	$30.00

Center of Bit is one gauge thicker than Edges.

FIG. 362

Full Polished.

No.	Per dozen.
300	$13.00

FIG 363

Full Polished.
Adze Eye.

No.	Per dozen
305	$14.00

FIG 364

Boston Pattern.
Bell Face.
Full Polished.

No.	Per dozen.
311	$14.00

FIG. 365

Haines Pattern.
Bell Face. Adze Eye. Full Polished.
Forged from one piece of Solid Cast Steel.

No.	Per dozen.
312	$15.00

Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL HALF HATCHETS

FIG. 366

Bail Face, Adze Eye, Thin Bit.

Forged from one piece of Solid Cast Steel.

No.		Per dozen.
315	Size 1, Full Polished	$14.50
316	" 2, " "	15 00
2315	" 1, Nickel Plated.	17.00
2316	" 2, " "	18 00

FIG 367

Octagon Neck, Round Pole.

Forged from one piece of Solid Cast Steel. Fire Bronzed.

No.		Per dozen.
317½	Size 1, 3¼ inch on Bit.	$13.50
318	" 2, 3¼ " " "	14.00
318½	" 3, 3¼ " " "	14.50

FIG 368

Nickel Plated, Octagon Neck, Round Pole.

Forged from one piece of Solid Cast Steel.

No.		Per dozen
2317½	Size 1, 3¼ inch on Bit	$16.00
2318	" 2, 3¼ " " "	16.50

FIG 369

Standard Pattern, Olive Bronzed.

Forged from one piece of Solid Cast Steel.

No.		Per dozen.
336	Size 1, 3¼ inch on Bit	$10.50
338	" 2, 3½ " " "	11.00
340	" 3, 3¾ " " "	11.50

Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL SHINGLING HATCHETS

FIG. 370

Bell Face, Adze Eye.
Full Polished, Thin Bit.
Forged from one piece of Solid Cast Steel.

No.		Per dozen.
313	Size 1	$14.00
314	" 2	15.00

FIG. 371

Nickel Plated Octagon Neck, Round Pole.
Forged from one piece of Solid Cast Steel.

No.		Per dozen.
2316½	Size 1, 3⅝ inch on Bit	$15.50
2317	" 2, 3⅞ " " "	16.00

FIG. 372

Octagon Neck, Round Pole.
Forged from one piece of Solid Cast Steel.
Fire Bronzed.

No.		Per dozen.
316½	Size 1, 3⅝ inch on Bit	$13.00
317	" 2, 3⅞ " " "	13.50
317½	" 3, 4⅛ " " "	14.00

FIG. 373

Standard Pattern, Olive Bronzed.
Forged from one piece of Solid Cast Steel.

No.		Per dozen.
326	Size 1, 3⅝ inch on Bit	$10.00
328	" 2, 3⅞ " " "	10.50
330	" 3, 4⅛ " " "	11.00

FULL POLISHED

1328	Size 2, 3⅞ inch on Bit	$11.50

Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL HATCHETS

CLAW

FIG. 374

Standard Pattern, Olive Bronzed.

Forged from one piece of Solid Cast Steel.

No.		Per dozen.
346	Size 1, 3⅜ inch on Bit	$11.50
348	" 2, 3⅞ " " "	12.00
350	" 3, 4⅛ " " "	12.50

SELSOR CLAW
NO. 384 TO 386

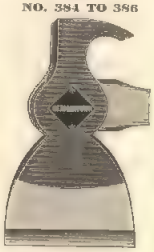


FIG 375

Gold Bronzed.

Forged from one piece of Solid Cast Steel.

No.		Per dozen.
384	Size 1, 3⅜ inch on Bit	$9.00
385	" 2, 3⅞ " " "	9.50
386	" 3, 4⅛ " " "	10.00

SELSOR HALF
NO. 381 TO 383

FIG. 376

Gold Bronzed.

Forged from one piece of Solid Cast Steel.

No.		Per dozen.
381	Size 1, 3¾ inch on Bit	$8.50
382	" 2, 3⅞ " " "	9.00
383	" 3, 3¾ " " "	9 50

SELSOR SHINGLING
NO. 377 TO 379

FIG. 377

Gold Bronzed.

Forged from one piece of Solid Cast Steel

No.		Per dozen.
377	Size 1, 3⅜ inch on Bit	$8.00
378	" 2, 3⅞ " " "	8 50
379	" 3, 4⅛ " " "	9.00

Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL HATCHETS AND AXES

BROAD HATCHETS

FIG. 378

Forged from one piece of Solid Cast Steel.
Fire Bronzed.

No.		Per dozen.
360	Size 0, 3¼ inch on Bit	$12.50
361	" 1, 4 " " "	13.00
362	" 2, 4¼ " " "	14.00
363	" 3, 5 " " "	15.00
364	" 4, 5¼ " " "	17.00
365	" 5, 6 " " "	19.00
366	" 6, 6¼ " " "	21.00
367	" 7, 7 " " "	23.00

Double Bevel, same price.
One-third dozen in a Box, 2 dozen in a Case.

UNDERHILL BROS. LATHING HATCHETS

FIG. 380

	Per dozen.
Boston Pattern, 8 Row	$18.00
Chicago " 9 "	20.00

Per dozen.		Per dozen.
Axe Wedges ..... .48	Hammer Wedges..... .36	
One dozen in a Box.	Three dozen in a Box, Assorted 6 sizes.	

COMMON HAMMER AND HATCHET WEDGES

Not Illustrated.

	Per lb.
Assorted	.30

HUNTERS' AXES

FIG 379

Beveled, 18 inch Curved Handle.
Forged from one piece of Solid Cast Steel.
Fire Bronzed.

No.	Per dozen
370 Size 2	$11.00

Half dozen in a Box, 6 dozen in a Case.

CAST IRON SHINGLING HATCHET

FIG 381

Finished in Gold Bronze.

Per dozen
Polished Blades, Hickory Handles...$3.00

PERFECTION AXE AND HAMMER WEDGES

FIG. 382

GERMANTOWN TOOL WORKS

Germantown Tools are guaranteed as to temper, quality and workmanship, to be as perfect goods as skilled labor, best material and an experience of over fifty years can produce.

If a Germantown Tool is found defective in any particular, it will be exchanged by the dealer from whom it was purchased.

SOLID CAST STEEL ADZE EYE NAIL HAMMERS

FIG. 301

No.			Per dozen
20	Size 3,	9 oz.	$7.50
21	" 2,	15 "	8.00
22	" 1⅝,	1 lb. 2 oz.	8.50
23	" 1,	1 " 4 "	9.00
24	" 0,	1 " 12 "	12.50
24	" 0,	Checked Face.	13.50

FIG. 302

Bell Face.

No.			Per dozen.
30	Size 3,	8 oz	$7.50
31	" 2,	14 "	8.00
32	" 1⅝,	1 lb. 1 oz	8.50
33	" 1,	1 " 4 "	9.00

FIG. 303

Octagan Pole and Neck.
Second Growth Hickory Handles.
Extra Finish.

No			Per dozen.
34	Size 3,	11 oz.	$11.00
35	" 1⅝,	1 lb.	12.00
36	" 1,	1 " 4 oz.	13 00

FIG. 304

Octagon Pole, Round Neck.
Extra Fine Finish, Nickel Plated.
Mansana De Jaiba Handles.

No.			Per dozen
40	Size 3,	11 oz.	$14.50
41	" 1⅝,	1 lb.	15.00
42	" 1,	1 " 4 oz.	15.50

Weights do not include Handles.

Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL NAIL HAMMERS

ADZE EYE

FIG. 305

Octagon Pole, Round Neck.
Extra Fine Finish, Nickel Plated.
Second Growth Hickory Handles.
Extra Finish.

No.		Per dozen.
42½	Size 3, 11 oz.	$13.00
43	" 1½, 1 lb.	13.50
44	" 1, 1 " 4 oz.	14.00

ADZE EYE RIPPER

FIG. 306

No.		Per dozen.
922	Size 1⅝, Style of No. 22 Regular Hickory Handles	$8.50
935	Size 1⅝, Style of No. 35 Octagon Hickory Handles	12.50
943	Size 1⅝, Style of No. 43 Octagon Ebony Handles	14.50

SOLID CAST STEEL ADZE EYE TACK HAMMERS

UPHOLSTERERS' PATTERN

FIG. 307

Round Pole.
Second Growth Hickory Handles.
Extra Finish.

No.		Per dozen.
70	Weight, 7 oz.	$6.25

FIG. 308

Octagon Pole, Round Neck.
Extra Fine Finish.
Second Growth Hickory Handles.
Extra Finish.

No.		Per dozen.
71	Weight, 7¼ oz.	$7.50

SOLID CAST STEEL BRAD HAMMERS

STRAIGHT CLAW

FIG. 309

No.		Per dozen.
78	Weight, 3 oz.	$6.25
79	" 4 "	6.50

BENT CLAW

FIG. 310

No.		Per dozen.
83	Weight, 3 oz.	$6.25
84	" 4 "	6.50

Weights do not include Handles.
Half dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL HAMMERS

ADZE EYE FARRIERS' NO. 90

FIG. 311

No.		Per dozen
90	Round Pole, 9 oz.	$7.50
92	Octagon " 9 "	7.50

Weights do not include Handles.

Half dozen in a Box, 6 dozen in a Case.

RIVETING

FIG. 312

No.		Per dozen
120	Size 0, 4 oz.	$5.50
121	" 1, 7 "	5.75
122	" 2, 9 "	6.00
123	" 3, 12 "	6.25
124	" 4, 15 "	6.50
125	" 5, 1 lb. 2 oz.	7.00
126	" 6, 1 " 6 "	7.50
127	" 7, 1 " 10 "	8.00

ENGINEERS' HAMMERS

STRAIGHT PEIN

FIG. 313

CROSS PEIN

FIG. 314

BALL PEIN

FIG. 315

Fig. 313—Straight Pein, No.	**140**	**141**	**142**	**143**	**144**
Fig. 314—Cross " No.	**150**	**151**	**152**	**153**	**154**
Size	0	1	2	3	4
Weight	1 lb.	1 lb. 4 oz.	1 lb. 8 oz.	1 lb. 14 oz.	2 lbs. 2 oz.
Per dozen	$12.50	13.50	14.50	15.50	16.50

FIG. 315—BALL PEIN

No.	**155**	**156**	**157**	**158**	**159**	**160**	**161**
Size	6-0	5-0	4-0	3-0	2-0	0	1
Weight	2½ oz.	4 oz.	6 oz.	10 oz.	12 oz.	1 lb.	1 lb. 4 oz.
Per dozen	$12.00	12.00	12.00	12.00	12.00	12.50	13.50

No.	**162**	**163**	**164**	**165**	**166**	**167**
Size	2	3	4	5	6	7
Weight	1 lb. 8 oz.	1 lb. 14 oz.	2 lbs. 2 oz.	2 lbs. 7 oz.	2 lbs. 12 oz.	3 lbs. 4 oz.
Per dozen	$14.50	15.50	16.50	17.50	19.00	20.50

BALL PEIN, NICKEL PLATED

No.	**1155**	**1156**	**1157**	**1158**	**1159**
Size	6-0	5-0	4-0	3-0	2-0
Weight	2½ oz.	4 oz.	6 oz.	10 oz.	12 oz.
Per dozen	$13.00	13.00	14.00	15.00	16.00

Weights do not include Handles.

One-third dozen in a Box, 6 dozen in a Case.

GERMANTOWN TOOL WORKS

SOLID CAST STEEL HAMMERS

BLACKSMITHS' HAND HAMMERS
PHILADELPHIA PATTERN

FIG. 316

COOPERS' HAMMERS

FIG. 317

FIG 316- BLACKSMITHS' HAND HAMMERS

No.	100	101	102	103	104	105
Size	0	1	2	3	4	5
Weight	1 lb. 4 oz.	1 lb. 10 oz.	2 lbs. 2 oz.	2 lbs. 11 oz.	3 lbs. 2 oz.	3 lbs. 8 oz.
Per dozen	$12.00	13.00	14.00	15.00	16.00	17.00

One-third dozen in a Box, 6 dozen in a Case.

FIG. 317—COOPERS' HAMMERS

No.	181	182	183	184	185	186
Size	1	2	3	4	5	6
Weight	2 lbs.	2 lbs. 8 oz.	3 lbs.	3 lbs. 8 oz.	4 lbs.	4 lbs. 8 oz.
Per dozen	$16.00	17.00	18.00	19.00	20.00	21.00

One-third dozen in a Box, 6 dozen in a Case.

TINNERS' PANEING HAMMERS
CHAMFERED POLE

FIG. 318

SOLID CAST STEEL BRICK HAMMERS

FIG. 319

FIG. 318—TINNERS' PANEING HAMMERS

No.	132	133	134
Size	2	3	4
Weight	12 oz.	1 lb.	1 lb. 4 oz.
Per dozen	$6.25	6.75	7.25

Half dozen in a Box, 6 dozen in a Case.

FIG. 319 BRICK HAMMERS

No.			Per dozen.
214	Size 1, Black,	Weight, 1 lb. 8 oz.	$11.50
215	" 2, "	" 1 " 14 "	12.50
216	" 3, "	" 2 lbs. 4 "	13.50
218	" 1, Full Polished,	" 1 " 8 "	12.00
219	" 2, " "	" 1 lb. 14 "	13.00
220	" 3, " "	" 2 lbs. 4 "	14.00

Weights do not include Handles.

One-third dozen in a Box, 6 dozen in a Case.

PROSPECTING HAMMERS

FIG. 320

PROSPECTING PICKS

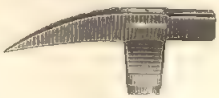


FIG. 321

FIG. 320—PROSPECTING HAMMERS

No.		Per dozen.
190	Size 0, Weight, 1 lb. 0 oz.	$13.00
191	" 1, " 1 " 6 "	14.00
192	" 2, " 1 " 12 "	15.00
193	" 3, " 2 lbs. 0 "	16.00

One-third dozen in a Box, 6 dozen in a Case. Weights do not include Handles.

FIG. 321- PROSPECTING PICKS

No.		Per dozen
194	Size 1, Full Polished, Weight, 1 lb. 2 oz.	$15.00
195	" 2, " " " 1 " 10 "	16.00
1194	" 1, Black, " 1 " 2 "	14.50
1195	" 2, " " 1 " 10 "	15.50

Half dozen in a Box, 6 dozen in a Case. Weights do not include Handles.

IRON SHOE HAMMERS

NOS. 143, 144 AND 160

FIG. 322

NOS. 145 AND 165

FIG 323

No.		Per dozen
143	Wood Handle, Japanned, Polished Face	$1.70
144	" " " " " Extra Heavy	2.25
160	" " Full Polished, Size of No. 143	2.25

Half dozen in a Box.

No.		Per dozen.
145	Hickory Handle, Heavy, Japanned, Polished Face	2.50
165	" " " Full Polished	3.50

One-third dozen in a Box.

LADIES' HAMMERS

FIG. 324

No.		Per dozen
27	Full Polished, Steel Finished, Oiled Hickory Handle	$1.00

TACK HAMMERS

FIG. 325

No.		Per dozen.
1	Hickory Handle, Cast Steel, Polished, Large Size	$3.20
2	" " " " " "	2.90
94	" " Imitation Cast Steel, Polished, Large Size	1.60

One dozen in a Box.

UPHOLSTERERS' HAMMERS

NO. 74

FIG 326

NO. 76

FIG. 327

No. **74** Cast Steel, Heavy White Hickory, Varnished Handles, ¼ inch Face.

Per dozen $7.40

Half dozen in a Box

No. **76** Cast Steel, Rosewood Handles, Assorted, ¼, ⅜, ½, ⅝ inch Face.

Per dozen $14.00

Half dozen in a Box.

CAST UPHOLSTERERS' HAMMERS

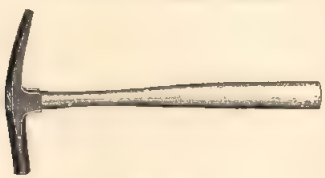
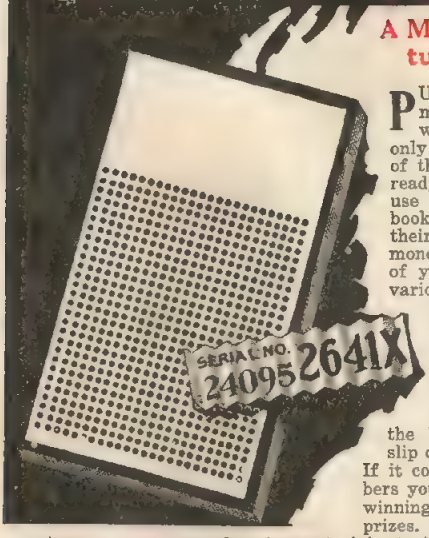


FIG. 328

No.		Per dozen.
50	Nickel Plated	$1.50

Sales Boards

A Money-Making Opportunity for Live Ones

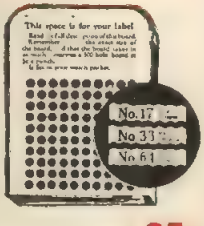


PUNCHBOARDS constitute a "new method of doing a big business with a trifling investment." Your only outlay need be the trifling cost of the Punchboard, and you are then ready to take in the cash. You can use our catalog as your premium book, allowing the winners to select their own prizes, or you can give money prizes or any merchandise out of your stock. The Boards come in various sizes, as shown below. As to method of operation, you can use the Board in any way that suits your scheme best, but the method must generally employed is to charge 5 or 10 cents a punch, the person then punching at any hole he desires on the board. He examines the little slip of paper and looks at the number. If it corresponds with any of the numbers you have previously selected as the winning numbers, he wins one of the prizes. It is customary to have several prizes, so as to stimulate interest right to the end. Sometimes, in addition, an extra prize is given to the party holding the number corresponding with the number under the seal at the top of the board, the seal not to be removed until the entire board is sold out. The numbers range from one up, according to the size of the Board, and are thoroughly mixed. There is ample space at the top of each board for you to write or print your own announcement, if you so desire. As sales stimulators Punchboards have no equal. They are probably the greatest money-makers ever put out.

Catalog Number	Number of holes	Price Each
3700	100	$ .35
3701	200	.40
3702	300	.45
3703	400	.55
3704	500	.65
3705	700	.85
3706	1000	$1.25
3707	1500	1.75
3708	2000	2.25
3709	3000	3.25
3710	4000	4.25
3711	5000	5.50

100-Hole Special Vest Pocket Board

This is a special Miniature Punch Board, measuring only 3½x2½ inches, and thus it is a handy size for the vest pocket. It is used extensively by Fraternal Orders, and at church gatherings, clubs, dances, socials, showers, etc., where raffles and other money-raising "stunts" are indulged in, this Vest Pocket Board may be relied to bring in the coin. Instead of charging so much per punch, the party punching must pay the amount printed on the ticket punched. The prices are printed on each ticket, and vary from 1c to 20c. NO NUMBER OVER 20c. The board takes in $15.00 when completely punched out. Every ticket is serial numbered and crimped. The person drawing the winning number gets the prize, which may be in cash or goods. There is a blank space of about 1x2½ inches for your label or an announcement or advertisement.



No. 3774.. SPECIAL VEST BOARD.. 100 Holes.. Price postpaid. 35c

Pocket Punch Cards WITH SEAL

THESE Punch Cards are all of pocket size, enabling you to carry them around with you with facility and convenience. Besides their remarkably low price will appeal to you, and we guarantee that they will Sell Anything under the sun, no matter what it is, and with great profit to yourself. They are operated on the same general plan as the Sales Boards illustrated and described on the previous page, with any variation that may suggest itself to the operator to suit any special circumstances. The Cards come in various sizes, ranging from 10 holes up to 100 holes. The operator charges so much, say 10 cents, for a punch. The Drawer pays his money, and punches any hole he likes on the card, drawing a slip with a number on it, which he retains until the entire card has been sold out. To make the drawing still more interesting, the names of different girls are printed over each hole, so that the person punching frequently punches his favorite girl's name, "just for luck." When the Card has been sold out, the Seal covering the winning number is broken, and the prize awarded to the person whose ticket corresponds to the number shown under the seal. This plan can be varied in many ways. For instance you can give several prizes, and select your own winning numbers. You can break the seal before you start out to sell, or you can use the number under the seal as a Final or Grand Prize. Study out your own plan and work accordingly. The value of the prize will, of course, depend upon the size of the Punch Card that you are using. Obviously you cannot afford to give as valuable a prize if you are operating with a Board of only 10 holes yielding but $1.00 as you could with a Board of 100 holes yielding $10.00. On the other hand you can charge more for a punch on the smaller cards, if you prefer, and make up for it that way. Select your own prizes from our catalog. Almost anything in this catalog will make a suitable premium to offer. A prize of not more than half the amount you take in from the card when completely sold out gives you a profit of 100 per cent and should enable you to sell out the punches in record time.

Punch Cards and Sales Boards Will Sell Anything From a Thanksgiving Turkey To a Grand Piano

The numbers on the slips range from one up, according to the capacity of the card, and they are thoroughly distributed. There is sufficient space for you to write or print your own advertisement if you so desire. All cards have seal, and all are specially made to fit the pocket.

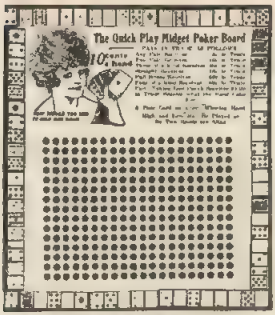
No. 3720.	**10 Holes, price.....10c.**	**No. 3724.**	**60 Holes, price.....20c.**
No. 3721.	**25 Holes, price.....15c.**	**No. 3725.**	**70 Holes, price.....25c.**
No. 3722.	**40 Holes, price.....15c.**	**No. 3726.**	**80 Holes, price.....25c.**
No. 3723.	**50 Holes, price.....20c.**	**No. 3727.**	**100 Holes, price.....25c.**

SPECIAL QUANTITY PRICES

You can make good money selling these Cards to dealers and others. We allow the following reductions for quantity lots, which may be all of one kind, or assorted: 10% discount on orders for 3; 25% discount on 12, or 50% discount (half price) when 100 or more are ordered at one time.

The Quick Play 300-Hole Poker Board

At 10c a punch Board takes in $30.00; Pays out $10.50 as follows:



98—ONE PAIR	each pay 5c	$4.90
13—TWO PAIR	each pay 10c	1.30
4—THREE OF A KIND	each pay 20c	.80
3—STRAIGHTS	each pay 40c	1.20
1—FULL HOUSE	each pay 80c	.80
1—FOUR ACES	each pay 80c	.80
LAST PUNCH	each pay $1.00	1.00
TOTAL PAYS OUT		$10.50

A Clear Profit of $19.50, Besides Profit on Merchandise

Reproduction of Winning Hand

Everybody plays poker and everybody can play this game. It is the hit of the season. It is a 300 hole Poker Board, measuring only 6¼ x5½ inches, filled with tickets each containing a poker hand—just like in Poker, the entire hand spread out. On the back of each ticket is printed exactly what the hand calls for, such as "One Pair," "Three of a Kind," or "Dead Hand," etc. Anyone who does not know how to play poker can play this board as well as the most experienced card player. If they do not know how to read five cards, they can turn the ticket over and find the information in writing. Tickets marked "Dead Hand" are non-winners; all others receive a prize, as shown above, which may be either in cash or merchandise. You can charge either 5 cents or 10 cents a punch, and either way you will reap a very handsome profit. The slips are large, easy to handle, and can be punched out of the board extremely easily. All slips are printed in two natural card colors—red and black. A serial number is printed on the back of every hand and each board has a different number to prevent fraud.

We can also supply Poker Boards in 3,000 Holes. This Board measures 14¼x11¾ inches. It is wonderfully gotten up, being lithographed in 7 High Lustre Colors, with the words "INDOOR SPORTS" printed at the top. It is more brilliant and dazzling than an Electric Sign. This Board can be had in either 5c or 10c headings. The 5c Board takes in $150 and pays out $67.. The 10c Board takes in $300 and pays out $134—a very handsome profit on either.

No. 3763. 300 Hole Poker Board $0.65 No. 3764. 3000 Hole Poker Board... $12.00

Here's a Live One!

Aladdin Electric Lamp and 120 Hole Punch Card

Takes in	Costs You	Your Profit
$12.00	$5.00	$7.00

Here is another profitable Punch Board proposition for our customers who are not numbered among the "Dead Ones." You can make a profit of $7.00 from an investment of $5.00, and make it quick, too, if you hustle a little. Just send us $5.00 and we will send you everything you need by parcel post, the Punch Card and the prize which, in this case, consists of a gorgeously beautiful Electric Table Lamp—just the thing for your buffet, piano, dining room table, bedroom, etc. It is called ALADDIN'S LUCKY LAMP and will add taste and distinction to any home. The Lamp is easily worth $10.00 of anyone's money, yet some lucky winner will get it for a mere dime, while you will make a clear profit of $7.00 and a lot of fun for yourself and all concerned into the bargain. The Punch Card accompanying the Lamp has 120 holes. You charge 10c. a punch. Each person punching receives a little slip with a number printed on it. When the entire Card has been sold out, the Seal at the top of the Card is broken, disclosing the winning number. The lucky person whose ticket corresponds to the number under the seal wins the Lamp.

No. 3790. Aladdin's Lucky Electric Lamp and 120 Hole Punch Card..... $5.00

Novel Punch Cards

8 Novel Sales Cards That Bring In The Money

The eight Novel Punch Cards shown on these two pages give you a new trade stimulator for every day in the week, with two for Saturday for good measure. These eight clever trade magnets represent a very effective means for "pepping" up sluggish business, and because of their handy pocket size, they can be used in any territory without the slightest objection. Each of these Sales Cards contain 100 holes, and, at 10 cents per punch, takes in $10.00 each. In no case do you have to pay out more than $2.50. If that isn't enough profit on an investment of 25 cents (the cost of each card), we'd like to know what is. Why not order a few of them? Will they take on? Can a Duck swim? The punches will sell out in such quick time that we won't be able to get your next order to you fast enough. All one price—25 cents each Card. Any 3 Cards for 65 cents; any 12 Cards for $2.25, or 100 Cards (all one kind or assorted) for $12.50 postpaid.

MOVIE QUEENS

It makes no difference if you favor Norma Talmadge or Mae Murray. Eight famous actresses keep the interest up to fever heat at all times. The lucky drawer of the Norma Talmadge ticket receives $1.00; the others lesser amounts down to 5c. Mary Pickford tickets pay nothing. Takes in $10.00; pays out $2.50 in cash or merchandise. No. 3734. Movie Queens Punch Card ... 25c

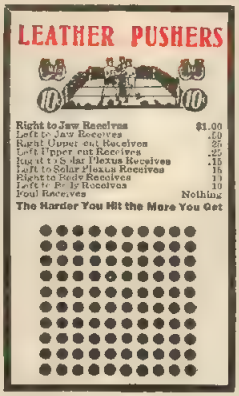
PLAY YOUR COLOR

Worked just like a Horse Race, only with colors like a slot machine. All the odds from 1-1; 2-1; 5-1; 10-1; on this Board. If played for 10c, a punch Board takes in $10, and pays out $2.50 in cash or merchandise. The tickets are so arranged that you are banking on to a 4-1 shot.

No. 3735. Play Your Color Punch Card.. 25c

LEATHER PUSHERS

A snappy seller which appeals to all admirers of the fistic sport. Contains all the fighterms like: "Right to Jaw," "Left Upper-cut," etc. The drawers of these tickets receive amounts varying from 10c. up to $1.00. Those punching "Foul" tickets get nothing. 100 holes. Takes in $10.00 and pays out $2.50 in cash or trade. No. 3736. Leather Pushers Punch Card 25c



7 COME 11

All the fascination of the most stirring "crap" game in this board. Every imaginable dice term used in a sporty, racy game, that yields you a profit of $7.50 in cash, plus profit on $2.50 worth of merchandise. 100 holes. Takes in $10, and pays out $2.50. No. 3737. 7 Come 11 Punch Card ... 25c

"What do you mean by waking me out of a sound sleep like that?" growled a man. "My dear," replied his wife sweetly, "it was such a distressing sound!"

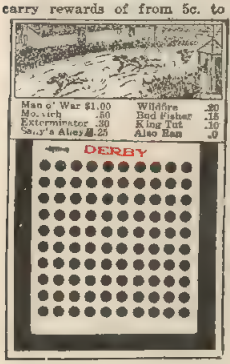
NOVEL PUNCH CARDS

8 Novel Sales Cards That Bring In the Money

The eight Novel Punch Cards shown on these two pages give you a new trade stimulator for every day in the week, with two for Saturday for good measure. These eight clever trade magnets represent a very effective means for "pepping" up sluggish business, and because of their handy pocket size, they can be used in any territory without the slightest objection. Each of these Punch Cards contain 100 holes, and, at 10 cents per punch, take in $10.00 each. In no case do you have to pay out more than $2.50. If that isn't enough profit on an investment of 25 cents (the cost of each card), we'd like to know what is. Why not order a few of them? Will they take on? Can a Duck swim? The punches will sell out in such quick time that we won't be able to get your next order to you fast enough. All one price—25 cents each Card. Any 3 Cards for 65 cents; any 12 Cards for $2.25, or 100 Cards (all one kind or assorted) for $12.50 postpaid.

DERBY

Eight of the most popular horses of all times carry rewards of from 5c. to $1.00 to those lucky enough to punch the winning tickets. If you punch "Also Ran" you get nothing. Great sport for the player. 100 holes. Takes in $10.00; pays out $2.50, cash or prizes.

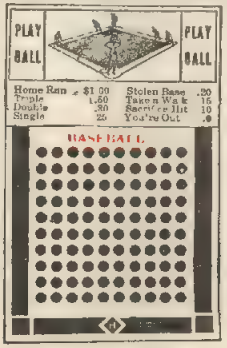


No. 3730 Derby Punch Card Price

25c

BASEBALL

No Red-blooded American can resist the appeal this Board offers. Supplies all the attraction and appeal of our national pastime. Person drawing "Home Run" receives $1.00; while "Triples," "Doubles," "Stolen Bases," "Walks," "Sacrifices," etc., pay out lesser amounts. "Your Out" tickets pay nothing.

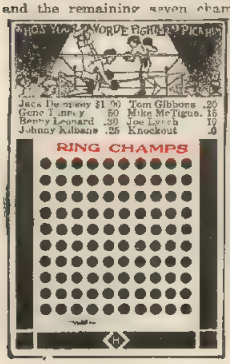


No. 3732. Baseball Punch Cards. Price

25c

RING CHAMPS

Always a favorite. Jack Dempsey pays $1.00 and the remaining seven champions in their class pay rewards in proportion. Those drawing K. O. tickets get nothing. Tickets are well distributed. This Board should sell out in record time. 100 Holes. Takes in $10.00; pays out $2.50.

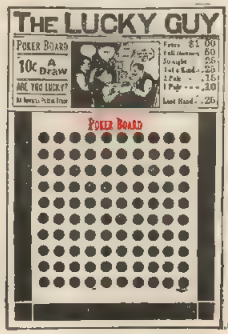


No. 3731. Ring Champs Punch Card

25c

THE LUCKY GUY

One of your best bets. Poker, the champion indoor sport. Charge 10c, a punch. If he draws "All Fours" he gets $1.00. Full House pays 60c., and so on down to 1 pair which pays 5c., the other hands paying nothing. Board takes in $10; pays out $2.50. Your profit $7.50. 100 Holes.



No. 3733. The Lucky Guy Punch Card

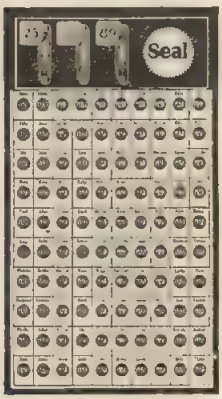
25c

The Famous Bathing Girl Art Knife Outfit

Best Quality Steel Knives, Transparent Handles, with Photographs of Stage and Bathing Beauties

HERE is another profitable Punch Board proposition for those of our customers who are not numbered among the "Dead Ones." You can make an enormous profit from an investment of a Ten Dollar Bill, and make it quick, too, if you hustle a little, besides giving marvelous value to the lucky winners. Just send us $10.00 in any convenient form, and we will send you everything you need by prepaid parcel post, the Punch Board complete with Knives. The Board is a 600 Hole Punch Board, with 12 Photo Art Knives. You can charge 5 cents or 10 cents a punch. At 5 cents per punch your receipts from the Board will be $30.00 (profit $20.00), or at 10 cents per punch your receipts will be $60.00 (profit $50.00). The person punches any hole on the board at random and compares the number on the slip with the list of winning numbers that are plainly printed on each Board. If successful he takes his knife. If not he probably feels inclined to keep on trying until he does win. There is no waiting. If a winning number has been drawn the customer takes the knife he has won. You will notice a knife is awarded to the person making the last punch, and thus interest is stimulated right to the end, and protects you against any possible loss. The Knives themselves are made of the finest steel, two blades, full brass-lined, fitted with transparent handles with fine photographic art reproductions of bathing and stage beauties in interesting poses. The Knives themselves are listed in our catalog at $1.00 each retail, and are easily worth $1.50 each.

No. 3760. BATHING GIRL ART KNIFE OUTFIT, 600 Holes, Price..... $10.00



100 Hole Pocket Punch Card with 3 Art Knives; For Only $2.50

CARD TAKES IN, 100 PUNCHES at 10c..$10.00
OUTFIT COSTS YOU 2.50

YOUR PROFIT.....$ 7.50

THIS Outfit is similar to the one described above, except that you get a 100 Hole Pocket Punch Card and 3 Photo Art Knives of Bathing Girls. The Knives are our regular Art Knives No. 8419 listed elsewhere in this catalog at $1.00 each, that are well worth all of $1.50 each. You can charge 5 cents or 10 cents per punch. At 10 cents per punch you take in $10.00, and as the whole outfit costs but $2.50, you make a very handsome profit. Even at 5 cents a punch you will double your money. Two of the winning numbers are plainly printed on the card. The third is hidden underneath the seal, which must not be broken until the entire card is sold out. This protects you against any possible loss, otherwise it might be possible for the three winning numbers to be drawn before all of the 100 punches had been sold. You should try this combination. It is a money maker and a fun producer besides. Your friends do not mind risking a nickel or a dime, because they get a lot of fun and a chance of winning a Knife worth a dollar and a half besides.

No. 3749. 100 Hole Punch Card with 3 Art Knives. Price Postpaid ... $2.50

AN EASY WAY TO MAKE MONEY

50 Hole Punch Card and 3 Pocket Knives Only $1.00

THIS IS WHAT YOU MAKE

50 Punches at 10c	$5.00
Cost to you	1.00
Your Profit	$4.00

IF SOMEONE were to show you a way whereby you could turn a single Dollar Bill into Five, would that interest you? If by an investment of only One Dollar you would make a profit of Four Dollars—that would sound pretty good, wouldn't it? Especially if it entailed practically no work of amount to anything, just a little pleasurable pastime because it is no trick at all interesting your friends to the tune of the small sum of ONE DIME with a chance of winning a handsome 2 bladed 75 cent Knife.

DOES 400% PROFIT INTEREST YOU

Simply send us One Dollar, and we send you one of our 50 hole Punch Cards, together with three excellent quality 2 Bladed Pocket Knives, same as sold by us regularly at 75 cents each retail. The Knives are given away to the lucky winners. You charge 10 cents for a punch; the person punches at any hole he desires. A little slip of paper shows the number. The one whose slip shows number 10 wins one of the knives, slip number 35 wins another. These two winning numbers are plainly marked on the card. The winner of the third knife is not known until all the holes are punched. Then you remove the seal at the top of the card, which contains a slip showing the number of the winner of the third knife. Thus the interest is sustained right down to the last punch. Could anything be more fascinating, or simpler, than this?

See our other Punch Board and Punch Card offers listed elsewhere in this catalog.

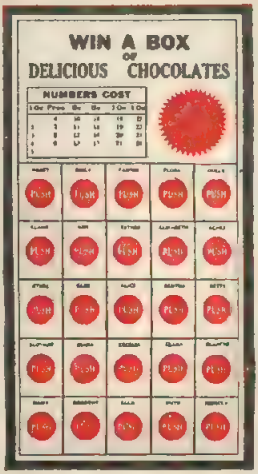
No. 3629. 50 HOLE PUNCH CARD WITH THREE POCKET KNIVES.
Price complete $1.00

Pocket Push Card With Box of Chocolates

This Outfit consists of a 25 hole Push Card and a large box of Delicious Chocolates, and it costs you complete ONLY 70 Cents. Show the Card and the Chocolates to your friends and explain to them that they have an excellent chance to win a box of the finest chocolates they ever tasted.

This is how it works. Your friend, having decided to take a chance, punches underneath any girl's name on the card, then looks at the number he has punched, the number being printed on a slip of paper concealed underneath. By consulting the Board and comparing the number punched with the number on the Board, he will see how much he has to pay (if anything) for his punch. If he has punched any of the following numbers—10, 11, 12, 13, 14, 15, 16 or 17, he pays 5 cents for his punch. If he punches numbers 18, 19, 20, 21, 22, 23, 24 or 25, he pays 10 cents. Numbers 1, 2, 3, 4, 5, 6, 7, 8 or 9, are FREE that is if he punches either of these numbers he pays nothing. When the Card is completely sold out, you break the seal at the top of the card, under which is concealed the winning number, and the person holding the ticket bearing that number wins the chocolates. There is no trouble at all in getting your friends interested in this. The box of splendid chocolates is well worth taking a chance on, and then there are five chances of drawing a free number. This makes it doubly interesting.

The Push Card and Box of Chocolates cost you but 70 Cents. When all the holes are punched, which should not take very long as the punches sell like wildfire, you have taken in $1.70, making a clear profit of $1.00. We have many other Push Cards, on which you can make still greater profits, and the beauty of it is that it is great fun besides.



No. 3640. POCKET PUSH CARD, 25 HOLES, WITH BOX OF CHOCOLATES. Price..... 70c

The Cabinet Collar Button Sales Board

THE Collar Button Sales Board offers an article of merchandise at a specified price of ten cents. This Board is greatly favored where the operator desires to give an article of value with each sale.

You charge ten cents a sale. The purchaser selects any Collar Button. When the Collar Button is removed from the board a number is disclosed. One or more cash or merchandise prizes may be given for any numbers which the dealer previously selects, in addition to the Button purchased.

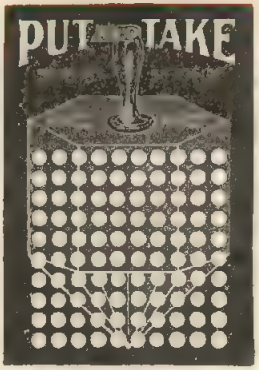
The Board stands upright and makes an attractive display. It is a certain money-maker and will show you a handsome profit. It is unequalled in assisting you to make a quick turnover of any merchandise you may wish to dispose of. It is put up in cabinet form. The containing box is strongly and substantially made and finished neatly in black moire paper. When placed on counter the merchandise it displays presents unusual sales power. Collar Button Sales Boards are obtainable in four sizes, as listed below.

The numbers are well scattered throughout each Board, being thoroughly mixed, and numbered from one up to 100, 200, 500, or 1000 according to the size of the Board. The Boards are strongly constructed and made in such a way that it is impossible to fraudulently look at a number without damaging the Board. Punch Boards and Sales Cards are effective trade stimulators. They offer an irresistible attraction through the very human desire to "take a chance"—to get "something for nothing." This appeal is strengthened by the ease and simplicity of operation. Fast play resulting in rapid money-making is assured. Punch Boards and Sales Cards have a wide range of adaptability. They can be operated any place where people congregate for any article of merchandise. Our Punch Boards and Sales Cards will win big profits for you in offices, factories, confectionery and drug stores, cigar counters, candy stores, pool rooms, and elsewhere. We sell thousands and thousands of Boards and Cards to people in every walk of life—office boys, call boys, shipping clerks, stage carpenters, stenographers, switch men, taxi starters, telephone girls, theatre door men, timekeepers, waitresses, woolen mills, yard men, church officers and helpers, conductors and motormen, express agents, firemen, foreladies in candy factories, foremen in roundhouses, etc., garage employees, information clerks, janitors in apartment houses, etc., mail clerks, milk wagon drivers, R. R. office help; porters, shipping clerks, baggage agents, bank clerks, bell captains, and others too numerous to mention, who are seeking the opportunity to profit by Punch Boards and Sales Cards. Merchants not only make quick money, but also move their goods and move them faster with Punch Boards and Sales Cards than any other selling idea ever created. They are used to an enormous extent for money raising campaigns by fraternal, religious and charitable organizations.

No. 3750. COLLAR BUTTON SALES BOARD, with 100 Buttons. Price	$ 1.50
No. 3751. COLLAR BUTTON SALES BOARD, with 200 Buttons. Price	2.75
No. 3752. COLLAR BUTTON SALES BOARD, with 500 Buttons. Price	6.00
No. 3753. COLLAR BUTTON SALES BOARD, with 1000 Buttons. Price	12.00

Put and Take Punch Board

100 Holes
Takes In $13; Pays Out $5.50



BOARD TAKES IN	
100 Punches at 5c.	$5.00
25 Tickets PUT 20c.	5.00
15 Tickets PUT 15c.	2.25
5 Tickets PUT 10c.	.50
5 Tickets PUT 5c.	.25
Board Takes in	$13.00

BOARD PAYS OUT	
1 Ticket TAKES $1	$1.00
5 Tickets TAKE 20c.	1.00
11 Tickets TAKE 15c.	1.65
4 Tickets TAKE 10c.	.40
29 Tickets TAKE 5c.	1.45
Board pays out	$5.50

A NEW Board which is very profitable as well as very amusing. They pay 5 cents a punch, receiving a ticket which reads "Put—" or else "Take—." Those receiving "Put" tickets pay you the amount stated on the tickets. Those who punch "Take" tickets receive from you the amount stated on the tickets, which can either be in cash or merchandise as you choose. Either way you make a tremendous profit, as the tickets are so arranged that you take in more than twice as much as you have to pay out. Half of the tickets read "Put" and half of them "Take." YOU CANNOT POSSIBLY LOSE. If you give merchandise instead of cash prizes, you make an additional profit on the goods. Do you wonder why Punch Boards are so popular? If you wish you can climinate the charge of 5 cents per punch and still make a handsome profit. In that case your receipts would be $8.00 instead of $13.00. Any live person, whether in business or not, can make money on this proposition, for you not only provide your friends and customer. with plenty of amusement, but you make it a pleasure for them to spend their money.

No. 3770. PUT AND TAKE PUNCH BOARD. 100 Holes. Price postpaid 40c

Put and Take Punch Board

300 Holes; 500 Holes; 1000 Holes

THESE are the same as the 100 hole Punch Boards described above, but have a greater number of holes. Three new sizes—300 Holes, 500 Holes, or 1000 Holes. They are operated in precisely the same way, and in each case half of the tickets read "PUT—" and the other half "TAKE—." All show a handsome profit, as they take in more than twice what they pay out, and if you give merchandise as prizes instead of money, you make your regular profit on the goods besides.

No. 3771. PUT AND TAKE BOARD. 300 Holes. Takes in $40.15 in amounts from 5c to 25c, and pays out $15.00 in amounts of from 5c. to $1.00. Your Profit $25.15.. Price..... 50c

No. 3772. PUT AND TAKE BOARD. 500 Holes. Takes in $67.50 in amounts from 10c. to 25c., and pays out $30.00 in amounts of from 5c. to $2.00. Your Profit $37.50. Price..... 75c

No. 3773. PUT AND TAKE BOARD. 1000 Holes. Takes in $130 in amounts from 10c. to 25c. and pays out $55.00 in amounts of from 5c. to $2.00. Your Profit $75.00. Price..... $1.50

CIGAR BOX SALESBOARDS and CANDY BOX SALESBOARDS

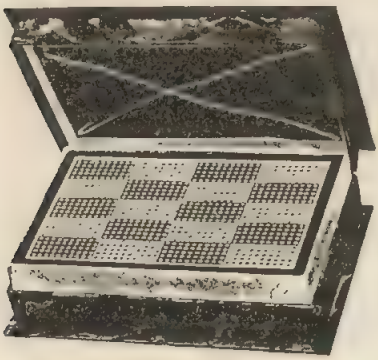
The Greatest Surprise Packages of Them All

"THE CONCEALED SALESMAN"

OUR "Concealed Salesmen" can be used anywhere. When closed they look just like a box of the finest cigars or a box of the best chocolates. When opened, however, they disclose a Miniature Punch Board of 1,000 holes. The Candy Boxes can also be had fitted with Punch Board of 600 holes. The Punch Board fits the inside of the box, which has no bottom. The reason for this is that when the slips are punched, they fall on the show case inside of the box. This prevents any possibility of losing the slips when the Board is punched.

A Peach of an Idea—Isn't It?

Thus the Boards are always out of sight of the curious, for all that is seen is just an ordinary Cigar Box or Candy Box, which you can safely leave in plain view. This should enable you to operate Punch Boards in territories that are at present taboo. The Boards are operated the same as our other Salesboards. You select your prizes in advance, and also decide on certain numbers as the winning numbers. These you write on the inside of the box. You can charge any amount, such as 5 cents or 10 cents per punch. At five cents per punch a thousand hole Board will take in $50.00, or a six hundred Board will take in $30.00. At 10 cents a punch the Boards will take in just double these amounts. It does not take much imagination to figure out the possibilities for immense profit presented by these Salesboards, besides helping you to dispose of difficult or slow selling merchandise. Do you wonder they are so popular? Both Cigar and Candy Boxes sell for 75 cents without the Boards. The 1000 hole Miniature Boards cost $1.25 and the 600 hole Miniature Boards cost 90 cents. Thus the cost of a Cigar or Candy Box complete with a 1000 hole Board will be $2.00. The price of the Candy Box with a 600 hole Board is $1.65. These prices include postage to any address.



PRICES

No. 3780.	**Cigar Box Complete with 1,000 Hole Salesboard. Price postpaid**	**$2.00**
No. 3781.	**Candy Box Complete with 1,000 Hole Salesboard. Price postpaid**	**2.00**
No. 3782.	**Candy Box Complete with 600 Hole Salesboard. Price postpaid**	**1.65**
No. 3784.	**Extra Boards for Cigar or Candy Boxes. 1,000 holes. Price postpaid**	**1.25**
No. 3783.	**Extra Board for Candy Box. 600 Holes. Price postpaid**	**0.90**

DISSTON

PANEL, HAND AND RIP SAWS

NO. 120

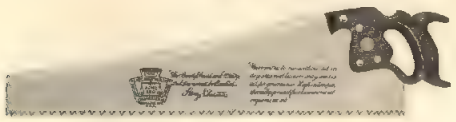


FIG. 53

Acme Skewback, Extra London Spring Steel, Selected and Highly Polished Blade, warranted, Apple Handle, Carved and Polished, 5 Brass Screws.

Size, inches		16	18	20	22	24	26	28	30
No. **120**	Per dozen	$22.00	24.00	26.00	29.00	31.00	32.00	36.00	40.00

NO. 112

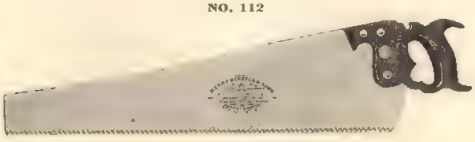


FIG 54

Skewback, Extra Refined London Spring Steel, Selected and Highly Polished Blade, Apple Handle, Carved and Polished, 4 Brass Screws.

Size, inches		16	18	20	22	24	26	28	30
No. **112**	Per dozen	$19.75	21.75	24.00	26.00	28.00	30.00	34.00	39.00

NO. 12

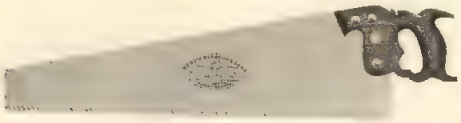


FIG. 55

Extra Refined London Spring Steel, Selected and Highly Polished Blade, Apple Handle, Carved and Polished, 4 Brass Screws.

Size, inches		16	18	20	22	24	26	28	30
No. **12**	Per dozen	$18.75	20.75	23.00	25.00	27.00	29.00	33.00	38.00

One-third dozen in a Box.

DISSTON

PANEL, HAND AND RIP SAWS

NO. D-100

FIG. 56

Skewback, Refined Crucible Steel, Highly Polished Blade, Warranted, Apple Handle, Carved and Polished, 5 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. **D-100**. . . . . Per dozen	$16.75	18.25	20.00	22.00	23.50	25.00	28.00	31.00

NO. 77

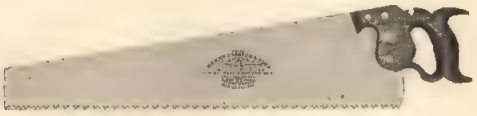


FIG. 57

Extra London Spring Steel Blade, Warranted, Apple Handle, Polished, 4 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. **77** . . . . . Per dozen	$17.50	19.00	20.00	22.00	24.00	25.00	29.00	33.00

NO. 99

FIG. 58

Extra Refined London Spring Steel, Selected Blade, Warranted, Close-up Apple Handle, Full Polished, 4 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. **99**. . . . . Per dozen	$15.00	16.00	18.00	20.00	22.00	23.00	26.00	30.00

One-third dozen in a Box.

DISSTON
PANEL, HAND AND RIP SAWS

NO. D-8

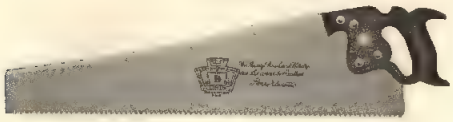


FIG. 59

Skewback, Refined Crucible Steel Blade, warranted, Apple Handle, Full Polished, 5 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. **D-8**....Per dozen	$14.75	16.25	18.00	20.00	21.50	22.50	25.50	28.50

NO. 16

FIG. 60

Refined Crucible Steel, Grained Blade, warranted, Apple Handle, Carved and Polished, 4 Brass Screws. This saw has the blade set into handle similar to D-8.

Size, inches	14	16	18	20	22	24	26	28	30
No. **16**. . ..Per dozen	$13.75	14.75	16.25	18.00	20.00	21.50	22.50	25.50	28.50

NO. 9

FIG. 61

Extra London Spring Steel, Grained Blade, warranted, Apple Handle, Full Polished, 4 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. **9**....Per dozen	$14.75	16.25	18.00	20.00	21.50	22.50	25.50	28.50

One-third dozen in a Box.

DISSTON

PANEL, HAND AND RIP SAWS

NO. 8

FIG. 62

Refined Crucible Steel, Grained Blade, Warranted, Apple Handle, Full Polished, 4 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. 8.. . . Per dozen	$13.75	14.75	16.75	19.00	20.50	21.50	24.50	28.50

CENTENNIAL NO. 76

FIG. 63

Centennial, Skewback, Crucible Cast Steel Blade, Warranted, Apple Handle, Polished, 4 Brass Screws.

Size, inches	16	18	20	22	24	26	28	30
No. 76 . . . . . Per dozen	$14.00	15.00	17.00	19.00	20.00	21.00	24.50	28.00

NO. 7

FIG. 64

Crucible Steel, Grained Blade, Warranted, Beech Handle, Full Polished, 4 Brass Screws.

Size, inches	14	16	18	20	22	24	26	28	30
No. 7 .. . .. Per dozen	$12.00	13.00	14.00	16.00	18.00	19.00	20.00	23.50	27.00

One-third dozen in a Box.

DISSTON

PANEL, HAND AND RIP SAWS

NO. 107

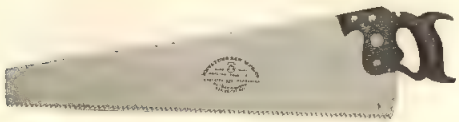


FIG. 65

Crucible Steel, Grained Blade, Beech Handle, Polished Edge, 4 Brass Screws. Warranted equal to any saw manufactured that is not stamped Disston.

Size, inches	14	16	18	20	22	24	26	28	30
No. **107** .....Per dozen	$10.25	11.25	12.50	14.00	15.50	16.50	17.50	20.50	23.50

NO. 107½

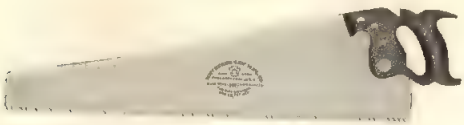


FIG. 66

Skewback, Crucible Steel, Grained Blade, Warranted, Beech Handle, Polished Edge, 4 Brass Screws. This Saw has the handle let into the Blade.

Size, inches	16	18	20	22	24	26	28	30
No. **107½** .....Per dozen	$12.25	13.50	15.00	16.50	17.50	18.50	21.50	24.50

H. H. GROSHONG

FIG. 67

Skewback, Carved Polished Beech Handle, 4 Brass Screws.

Size, inches	16	18	20	22	24	26	28
Per dozen.	$11.00	11.50	12.00	12.75	14.00	15.25	17.00

One-third dozen in a Box.

DISSTON

PANEL, HAND AND RIP SAWS

BROWN NO. 3

FIG. 68

Crucible Steel, Grained Blade, Beech Handle, Polished Edge, 4 Brass Screws.

Size, inches.....	14	16	18	20	22	24	26	28	30
No. 3.....Per dozen	$7.25	8.25	9.25	10.50	11.50	12.50	13.50	16.50	19.50

C. BISHOP NO. 1

FIG. 69

Crucible Steel, Grained Blade, Beech Handle, Polished Edge, 4 Brass Screws.

Size, inches.....	14	16	18	20	22	24	26	28	30
No. 1.....Per dozen	$6.50	7.50	8.00	9.00	10.00	11.00	12.00	14.00	16.00

T. TAYLOR NO. 0

FIG. 70

Crucible Steel, Grained Blade, Beech Handle, Polished Edge.

Size, inches.....	12	14	16	18	20	22	24	26	28	30
No. 0.....Per dozen	$5.75	6.25	6.75	7.50	8.00	8.75	9.50	10.00	11.00	12.00

One-third dozen in a Box.

DISSTON

PANEL, HAND AND RIP SAWS

JACKSON NO. 00

FIG. 71

Crucible Steel Blade, Beech Handle, Polished Edge.

Size, inches	12	14	16	18	20	22	24	26	28	30
No. 00 ..... Per dozen	$4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	9.00	10.00

One-third dozen in a Box.

HANNIBAL RITTER

FIG. 72

Beech Handle, Varnished Edge, 3 Brass Screws.

Size, inches	12	14	16	18	20	22	24	26	28	30
Per dozen	$4.15	4.60	4.90	5.35	5.75	6.20	6.75	7.30	9.15	9.65

Half dozen in a Box.

SHIP CARPENTERS' SAWS

Also suitable for cabinet-makers, pattern-makers and work where a narrow saw is desirable.

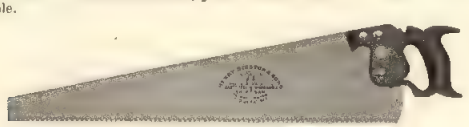


FIG. 73

Size, inches	18	20	22	24	26	28
No. 7 ..... Per dozen	$14.00	16.00	18.00	19.00	20.00	23.50

Straight-back patterns, No. 7, 8, 9, 12, etc., 26 inches are 6¼ inches wide at butt and 1⅝ inches at point.

Ship Carpenters' Saws are made in any quality of DISSTON BRAND at their respective prices.

One-third dozen in a Box.

DISSTON

PANEL, HAND AND RIP SAWS

IMPROVED COMBINATION SAWS

Made in 26 inch length only.

NO. 43

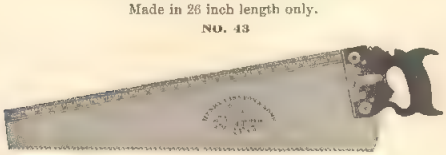


FIG. 74

No. **43** Combination Saw, with 24 inch Square and Rule, Straight Edge and Scratch Awl; Apple Handle, with Plumb and Level Attachment. Blade same quality as Disston No. **7** Hand Saw.

26 inches.....Per dozen $30 00

No. **42** Combination Saw, with 24 inch Square and Rule, Straight Edge and Scratch Awl; Apple Handle. Blade same quality as Disston No. **7** Hand Saw. Without Plumb and Level Attachment.

26 inches .....Per dozen $25.00

NO. 29

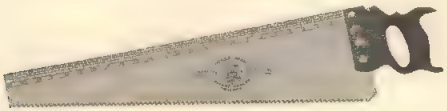


FIG. 75

No. **29** Combination Saw, with 24 inch Square and Rule, Straight Edge and Scratch Awl. Beech Handle.

26 inches. .....Per dozen $12.00

GAUGE SAWS

FIG. 76

Adapted to tenoning, shouldering, dovetailing, curving, cog cutting, or any purpose where a definite depth of cut is required. Same quality as Disston No. **7**.

26 inches.....Per dozen $25.00

One-third dozen in Box.

DISSTON

SAWS

FLOORING SAW NO. D-18

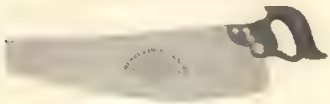


FIG. 77

Refined Crucible Steel Blade, Warranted. Apple Handle, Full Polished, 4 Brass Screws. Made with deep breast, toothed 8 points to inch. Adapted for cutting through flooring without the use of chisel or auger.

No. **D-18** 20 inch only... Per dozen $19.00

HAND HACK SAWS

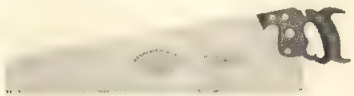


FIG. 78

Made specially high in temper for cutting metal, and is hollow ground for clearance. Regularly made 12 Point for cutting iron and steel, and 10 Point for copper and brass. Unless otherwise ordered, 12 Point will be sent.

Size, inches	16	18	20	22	24	26	28	30
Per dozen	$20.75	23.00	25.00	28.00	30.25	32.50	36.00	39.00

PLUMBERS' SAWS NO. 5

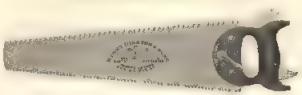


FIG. 79

For cutting wood in which nails are embedded, lead-pipe, etc.

The Handle is adjustable on Blade, so the saw can be used at different angles. The fine tooth-edge is for cutting metal, and the coarser teeth for sawing wood.

Size, inches	14	16	18	20	22
No. **5** Per dozen	$13.00	14.00	15.00	17.00	19.00

DOUBLE EDGE PLUMBERS' SAWS NO. 15

Without Adjustable Handle.

Size, inches	12	14	16	18
No. **15** Per dozen	$8.00	8.50	9.00	10.00

One-third dozen in a Box.

ADJUSTABLE COMPASS SAWS NO. 9

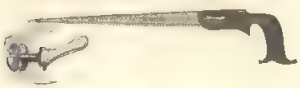


FIG. 80

Apple Handle, Carved and Polished, with Adjusting Lever.

Size, inches...	10	12	14	16	18
No. **9**..Per doz	$5.00	5.50	6.00	6.50	7 00

Half dozen in a Box.

DISSTON

COMPASS SAWS

CRUCIBLE STEEL

NO. 2 APPLE HANDLE. BRASS SCREWS

FIG. 81

Size, inches					10	12	14	16	18
No. 2	Per dozen				$4.25	4.50	4.75	5.00	5.25
Blades only	"	"			2.25	2.50	2.75	3.00	3.25

No.		Per dozen
20	Jackson Compass Saws, Steel Screws	$3.80
30	Champion " "	2.55
40	Samson " "	2.10

Saws, half dozen in a Box. Blades, one dozen.

INTERCHANGEABLE NO. 1

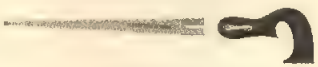


FIG. 82

Size, inches						10	12	14	16	18	20
No. 4	Per dozen					$4.50	5.00	5.50	6.00	6.50	7.00
Blades only	"	"				2.25	2.50	2.75	3.00	3.25	

Saws, quarter dozen in a Box. Blades, one dozen.

KEYHOLE SAWS NO. 15

Beech Handle, Brass Screws.

FIG. 83

No.	Size, inches				10	12	14
15	Per dozen				$2.25	2.50	2.75
12	"	"				2.00	2.00

Half dozen in a Box.

NEST OF SAWS NO. 3

Combining one each, Keyhole, Compass and Pruning Saw.

FIG. 84

No.				No. 3 Nest.	No. 1 Nest, Without Pruning Blade
3	Handle and Tightener.	Per dozen		$1.75	1.75
3	Keyhole Blade, 10 inch.	"	"	1.75	1.75
3	Compass " 14 "	"	"	2.75	2.75
3	Pruning " 16 "	"	"	4.75	----
3	Nest, Complete	"	"	11.00	6.25

Three Sets in a Box. Handles and Tighteners only, one dozen.

MASON JAR CAPS

Zinc, Porcelain Lined

Per Gross List..... .. .. $5 83

Per Gross. . .

Half Gross in a Box

FRUIT JAR RINGS

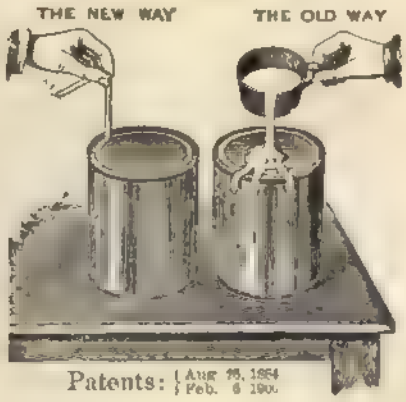
Handy pull two lip, white, cold pack, guaranteed to stand boiling water and syrup

Per Gross List .. $1 65

Per Gross. .....

Packed One Dozen in a Carton, Two Dozen Cartons in a Box

WAX STRINGS



Patents: { Aug. 26, 1884 / Feb. 6 1900

Coddington's Self Melting

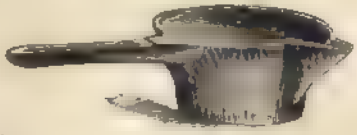
For Sealing Fruit Jars and Cans

Per Case List..... .... $5 61

Per Case.....

Packed 100 Strings in a Paper Box, 10 Boxes in a Case

WAX MELTING LADLE



No. 1. Cast Iron, About 1 Pint Capacity.

Per Dozen List..... $2 20

Per Dozen....

PYREX Transparent OVEN-WARE

Has the name on every piece

Trade Mark Reg Has the Name on Every Piece

Factory List January 1, 1922

It fills every requirement of a baking ware and a table ware—serviceable, beautiful and durable. It is clear as sunshine—nothing can penetrate its hard polished surface—it does not scratch, chip, craze, bend or dent. Now a staple necessity in every home and a delight to the housewife.

When a woman starts to Pyrex her home—she may be counted as a steady customer and one who will tell her friends about this wonderful crystal clear baking ware. A complete stock of Pyrex displayed in your store and show windows will bring you new customers—hold your old ones and make your store more attractive.

Our dealers service department will furnish booklets for free distribution, electros, lantern slides and street car cards and help you with suggestions for your newspaper advertising.

PYREX CASSEROLES

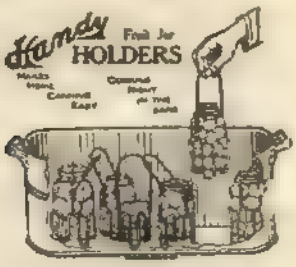
Round—Individual

No..	164
Size, Ounces	8
Outside Measurements, Inches..	4 1/2x2
Each List..	$0 70

Each.....

One in a Carton

FRUIT JAR HOLDERS



Handy

Indispensable—are the most practical device on the market to aid the housewife with her home canning by the Cold Pack Method. They are made of galvanized wire and will not rust.

Size, Quarts	½	1	2
Per Dozen List	$1 65	$1 65	$1 65

Per Dozen

Half Dozen in a Carton

FRUIT JAR LIFTERS

Handy

This is a very handy Utensil and is used by the housewife in lifting the hot jars from our Handy No. 8 Canning Rack. They are made of heavy tinned wire.

Per Dozen List $1 65

Per Dozen .....

One Dozen in a Carton

FRUIT JAR WRENCHES

Handy

Perform the work which they are intended for properly and the housewife can put on or remove the cap of a Mason jar easily. They are made of heavy tinned wire with corrugated gripping surface, which ensures a tight, even grip on the cap of a Mason jar. Made in three different colored handles, black, orange or red and packed assorted one dozen in carton

Per Dozen List $1 65

Per Dozen . .

One Dozen in a Carton

FRUIT JAR WRENCHES

Four in One

Can be used as jar cap sealer and opener, bottle opener, can opener, and jelly glass opener. Will not crush jar cap. Cutting blade made of a special hard steel, sharpened to a knife edge.

Per Dozen List $1 98

Per Dozen .....

One Dozen in a Box

FRUIT JAR GRIPPERS

Handy

A much needed and very useful article to hold the jar firmly when putting on or taking off the cap. Made of tinned wire and covered with a good quality of rubber tubing

Size, Qts	½	1	2
Per Dozen List	$1 76	$1.76	$1.76

Per Dozen .....

One Dozen in a Carton.

PAROWAX

For Sealing Jars and Jelly Glasses

Bars, Pound	¼
Bars to a Carton	4
Pounds to a Case	25
Per Pound List	$0 19

Per Pound .....

SEALING WAX

Crystal Sealing Wax

For Sealing Fruit in Jars and Cans

No. **100.** 50 Pound Case, 100 ½-pound Cartons

Per Case List $6 49

Per Case .....

No. **60.** 30 Pound Case, 60 ½-pound Cartons

Per Case List $3 96

Per Case .....

No. **10.** 5 Pound Package, 10 ½-pound Cartons

Per Package List $0.77

Per Package . .

PYREX CASSEROLES

Round—Shallow

No.	112
Size, Quarts	1
Outside Measurements, Inches	7¾x2¼
Each List	$1.50

Each

One in a Carton

Round—Shallow

No.	113
Size, Quarts	1½
Outside Measurements, Inches	8¼x2¼
Each List	$1.75

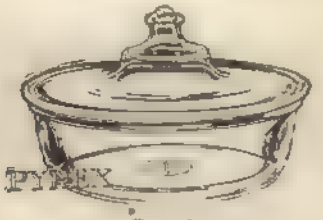
Each

One in a Carton

Round

Nos.	Size, Qts.	Outside Measurements	Each List	Each
100	2½	9¾x3¼"	$2.50	
101	2	9 x3¼"	2.00	
102	1½	8¼x2⅞"	1.75	
103	1	7¼x2¼"	1.50	
104	½	6⅛x2¼"	1.00	

One in a Carton



Round

Nos.	Size, Qts.	Outside Measurements	Each List	Each
167	1	7¼x2⅝"	$1.50	
168	1½	8¼x2⅞"	1.75	
169	2	9¼x3¼"	2.00	
170	2½	9¼x3¼"	2.50	

One in a Carton

PYREX CASSEROLES

Oval—Shallow—Beefsteak

No.	185
Size, Quarts	2
Outside Measurements, Inches	12x8¾x2½
Each List	$2.00

Each

One in a Carton

Oval

No.	190
U. S. Trade Size, Quarts	3½
Outside Measurements, Inches	10½x8x4½
Each List	$3.00

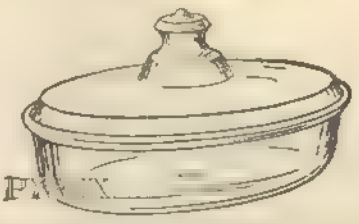
Each

One in a Carton

Round—Fit Standard Mountings

Nos.	Size, Qts.	Outside Measurements	Each List	Each
267	1	7¼x2¾"	$1.50	
268	1½	8¼x2⅞"	1.75	
269	2	9¼x3¼"	2.00	
270	2½	9¼x3¼"	2.50	

One in a Carton

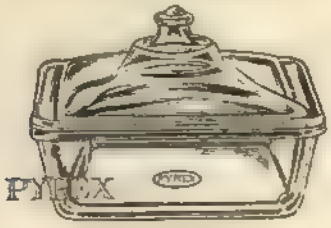


Oval—Shallow—Victor Cover, Fit Standard Mountings

Nos.	Size, Qts.	Outside Measurements	Each List	Each
283	1	9 x6½x2⅜"	$1.50	
284	1½	10⅝x7¼x2⅜"	1.75	
285	2	12 x8¾x2¼"	2.00	

One in a Carton

PYREX CASSEROLES



Square

No.	
Size, Quarts	1½
Outside Measurements, Inches.	8¼x3
Each List	$2 25
Each	

One in a Carton

Oval—Fit Standard Mountings

Nos.	Size, Qts.	Outside Measurements	Each List	Each
293	1	8⅜x6¼x2⅜"	$1.50	
297	1½ Deep	8⅜x6¼x3⅝"	1.75	
294	2	9½x7 x3¾"	2.00	
290	3	10½x8 x4⅜"	3 00	

One in Carton

Oval—Shallow (Beefsteak), Fit Standard Mountings

Nos.	Size, Qts.	Outside Measurements	Each List	Each
183	1	9 x6½x2⅜"	$1 50	
184	1½	10⅝x7¾x2⅜"	1 75	

One in Carton

Oval—Fit Standard Mountings

Nos	Size, Qts	Outside Measurements	Each List	Each
193	1	9¼x6¼x2⅜"	$1 50	
197	1½ Deep	8⅜x6¼x3⅝"	1 75	
194	2	9½x7 x3¾"	2 00	

One in Carton

PYREX INDIVIDUAL PIE DISHES

Round—Small

Nos.	Size, Oz.	Outside Measurements	Each List	Each
452	6	4¼x1⅜"	$0.25	
453	8	4½x1¾"	.30	
455	12	4¾x1⅞"	.40	

Six in Carton

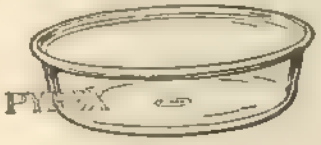
PYREX BAKING DISH

Round—Shallow

No.	135
U. S. Trade Size, Quarts.	1
Outside Measurements, Inches.	8x1¾
Each List	$1 00
Each	

One in Carton

PYREX PUDDING OR BAKING DISHES



Round—Shallow

Nos.	Size, Qts.	Outside Measurements	Each List	Each
132	1	7⅛x2⅛"	$0.85	
155	1½	8¼x2¼"	1.00	

One in Carton

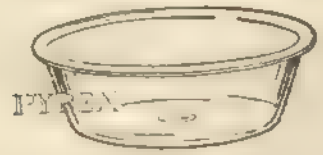
PYREX BAKING DISHES

Round—Deep

Nos.	Size, Qts.	Outside Measurements	Each List	Each
120	2½	9⅛x3¼"	$1.40	
121	2	9 x3¼"	1.20	
122	1½	8⅛x2⅜"	1.00	
123	1	7¼x2½"	.85	.....
124	½	6⅛x2¼"	.60	.....

One in Carton

PYREX BAKING DISHES



Round Standard

Nos.	Size, Qts.	Outside Measurements	Each List	Each
463	½	5⅞x2¼"	$0.60	.....
464	1	7¼x2¼"	.85	.....
465	1½	8¼x2¼"	1.00	.....
466	2	9⅛x3 "	1.20	.....
467	2½	9⅞x3 ¼"	1.40	.....

One in Carton

Oval—Shallow

Nos.	Size, Oz.	Outside Measurements	Each List	Each
400	9	6¾x4⅝x1⅜"	$0.40	.....
401	10	6⅝x4⅞x1⅝"	.45	.....
402	12½	7¼x5¼x1⅝"	55	
403	18½	8¼x6 x1¾"	60	

Six in Carton

Oval—Shallow

Nos	Size, Qts.	Outside Measurements	Each List	Each
183B	1	9 x6½x2⅜"	$0 85	.....
184B	1½	10⅛x7¾x2⅜"	1.00	..
185B	2	12 x8¾x2½"	1.20	..

One in Carton

Oval—Deep

N	Size, Qts.	Outside Measurements	Each List	Each
193B	1	8⅜x6¼x2⅞"	$0 85	.....
197B	1½	8⅜x6¼x3⅜"	1 00	.....
194B	2	9½x7 x3¼"	1 20	..
190B	3½	10½x8 x4⅜"	1.75	.....

One in Carton

PYREX PUDDING DISH

Round -Deep With Handles

No	450
Size, Quarts	1½
Outside Measurements, Inches	8½x2⅞
Each List	$1 25
Each	

One in Carton

Square

No	800B
Size, Quarts	1½
Outside Measurements, Inches	8¼x3
Each List	$1.25
Each	

One in Carton

PYREX OPEN PUDDING DISH

Oblong

No	145
Outside Measurements, Inches	7¾x5¼x2
Each List	$0 85
Each	

One in Carton

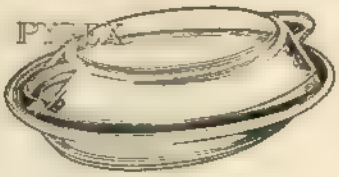
PYREX UTILITY DISHES

Oblong

Nos.	231	232
Outside Measurements, Inches	10½x6½x2	12⅝x8½x2
Each List	$1 00	$1 75
Each		

One in Carton

PYREX COVERED BAKING DISH



Two-Piece—Oval

No	110
Outside Measurements, Inches	10x7⅛x2⅞
Each List	$2 00

Each

One in Carton

PYREX BREAD PAN

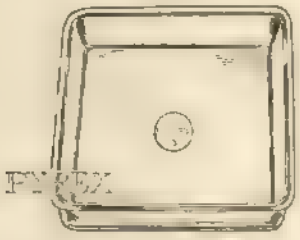
Oblong

Nos.	212	214
Outside Measurements, Inches	9⅛x5⅛x2⅛	10⅜x5⅝x3⅜
Each List	$0 90	$1 50

Each

One in Carton

PYREX BISCUIT PANS



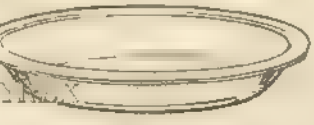
Oblong

Nos.	234	235
Outside Measurements, Inches	9⅛x7⅝x1¼	11⅛x8⅝x1¼
Each List	$0 85	$1 25

Each

One in Carton

PYREX PIE PLATES



Round, Wide Flange

Nos.	209
Outside Measurements, Inches	9⅝x1⅜
Each List	$0 90

Each

Three in Carton

PYREX PIE PLATES

Round

Nos.	202	203
Outside Measurements, Inches	8⅜x1⅜	9¾x1¼
Each List	$0.75	$0 90

Each

Three in Carton

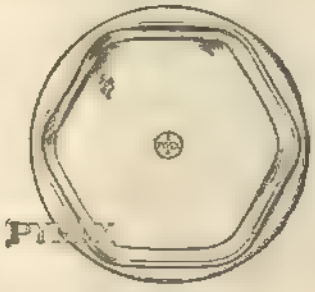
PYREX PIE PLATES

Round—Wide Rim

Nos.	Outside Measurements	Each List	Each
206	6⅝x1⅜"	$0.50	
207	7⅝x1⅜"	.60	
208	8⅝x1⅜"	.75	
210	10½x1½"	1.00	
211	11½x1½"	1.10	

One in Carton

PYREX PIE PLATES



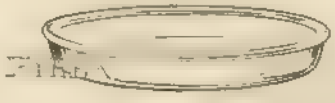
Hexagonal

No.	1203
Outside Measurements, Inches	9¾x1¼
Each List	$1 00

Each

Three in Carton

PYREX CAKE DISHES



Round

No.	221
Outside Measurements, Inches	9¼x1¼
Each List	$0 75

Each

Three in Carton

PYREX CAKE DISHES

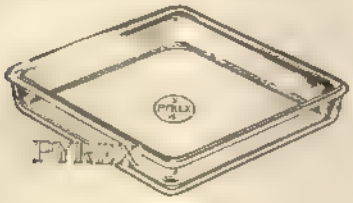
Round Shallow

No.	220
Outside Measurements, Inches	9¾x1
Each List	$0 75

Each

One in Carton

PYREX CAKE DISHES



Square

Nos.	809	810
Outside Measurements, Inches	9¼x1½	10½x1½
Each List	$1 00	$1 50

Each

One in Carton

PYREX FISH OR MEAT PLATTERS

Oval

Nos.	313	315
Outside Measurements, Inches	13¾x8¾x1¼	15¾x10¾x1¼
Each List	$1 50	$2 00

Each

One in Carton

PYREX VEGETABLE DISHES

Double Compartment—Round

No.	130
Outside Measurements, Inches	9¾x1⅞
Each List	$1 50

Each

One in Carton

PYREX RAMEKIN ROUND

Wide Flange

No.	442
Size, Ounces	4
Outside Measurements, Inches	3¼x1½
Each List	$0 20

Each

Six in Carton

PYREX INDIVIDUAL BAKER

Round Ramekin

No.	432
Size, Ounces	3½
Outside Measurements, Inches	3⅛x1⅜
Each List	$0 15

Each

Six in Carton

PYREX CUSTARD CUPS

Nos.	422	423
Size, Ounces Rour	6	4
Outside Measurements, Inches	4x2¼	3½x2
Each List	$0 25	$0 20

Each

Six in Carton

PYREX CUSTARD CUPS

Round French Pattern

Nos.	424	426
Size, Ounces	4	6
Outside Measurements, Inches	3½x2⅜	3⅝x2⅝
Each List	$0 20	$0 25

Each

Six in Carton

PYREX CUSTARD CUPS

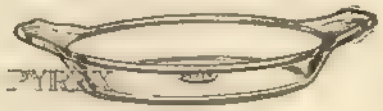
Oval

No.	427
Size, Ounces	5
Outside Measurements, Inches	4¼x3⅛x1⅛
Each List	$0 80

Each

Six in Carton

PYREX AU GRATIN

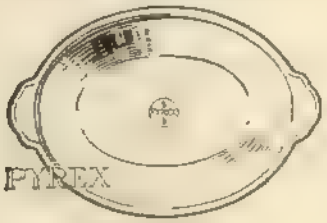


French Pattern

Nos	Outside Measurements	Each List	Each
330	10¼x5¼x1⅜"	$0 85	
331	11¼x5⅞x1½"	1 00	
332	12¼x6½x1½"	1.25	

One in Carton

PYREX OVAL DISHES



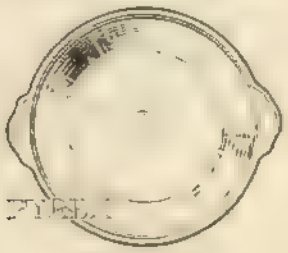
With Handles

No.	322
Outside Measurements, Inches	10x6½x1½
Each List	$0 85

Each

Six in Carton

PYREX ROUND DISHES



With Handles

Nos.	301	302
Outside Measurements, Inches	8½x1½	6⅞x1⅛
Each List	$0.75	$0.55

Each

Six in Carton

PYREX BEAN POTS

Round

Nos	502	504
Size, Pints	1	Qt. 1
Outside Measurements, Inches	5⅝x3¼	6¾x4½
Each List	$1 00	$1 75

Each

One in Carton

PYREX BEAN POTS

Round

No.	506
Size, Quarts	2
Outside Measurements, Inches	7½x5¾
Each List	$2 50

Each

One in Carton

PYREX MUSHROOM DISHES

With Handles and Bell Cover

No.	642	645
Outside Measurements, Inches, Inc. Cover	6⅞x4⅞	5½x3¾
Each List	$1 00	$1 35

Each

One in Carton

Bell Covers Only—Round

Nos.	652	655
Outside Measurements, Inches	4	5
Each List	$0 45	$0 60

One in Carton.

PYREX PERCOLATOR TOPS

Round Knob

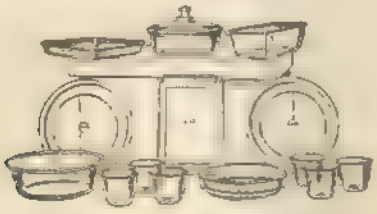
No.	964
Outside Measurements.	
Diameter, Inches	2⅛
Height, Inches	2⅛
Each List	$0 20

Each

Twenty-four in Carton

Fits "Universal" or "Royal Rochester" Style Percolators.

PYREX ASSORTMENT



No. **10.** Pyrex 14-Piece Household Set

Packed in Attractive White Box

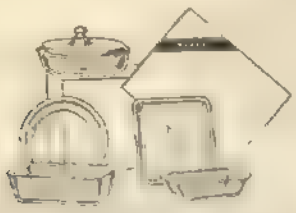
Each Set Contains.

1 No. **268**—1½ quart Round Casserole, with Victor Cover.
1 No. **231**—10½x6½x2 Inch Oblong Utility Dish
1 No. **135**—1 Quart Round Pudding, or Baking Dish.
1 No. **466**—2 Quart Round Pudding or Baking Dish
1 No. **212**—9½x5⅛x2⅞ Inch Oblong Bread Pan.
2 No. **209**—9¾ Inch Pie Plate, Wide Rim.
1 No. **234**—9½x7⅝x1¼ Inch Oblong Biscuit Pan
6 No. **426**—6 Ounce Round Custard Cups, French Pattern.

Per Set List $10 00

Per Set

Six Sets in Case



No. **5.** Pyrex 5-Piece Gift Set

Packed in Attractive Gift Box

Each Set Contains:

1—No. **284**—1½ Quart Oval Beefsteak Casserole with Victor Cover
1 No. **212** 9 x5⅛x2⅛ Inch Oblong Bread Pan
1 No. **208** Inch Pie Plate, Wide Rim
1 No. **234**—9½x7⅝x1¼ Inch Oblong Biscuit Pan.
1 No. **145**—7¾x5¾x2 Inch Oblong Baking Dish.

Per Set List $5.00

Per Set

12 Sets in Case

PERCOLATOR TOPS

Corrugated, Glass, Standard Size

Per Dozen List $0 66

Per Dozen

PYREX TEA POTS

Squat Shape

Nos.	22	24	26
Size Cups	2	4	6
Each List	$2 50	$3 00	$3 50

Each

One in Carton

PYREX TEA POTS

Tall Shape

Nos.	32	34	36
Size Cups	2	4	6
Each List	$2 50	$3 00	$3 50

Each

One in Carton

Round Shape

Nos.	12	14	16
Size Cups	2	4	6
Each List	$2 50	$3 00	$3 50

Each

One in Carton

PYREX TEA POTS

Tea Pots made of the same wonderful material as the famous Pyrex Ovenware. Tea Pots that let a woman see the exact strength of her tea and how much there is in the pot at all times. Tea Pots so attractive that no woman can resist them.

Assortment No. **12A**

Assortment of one dozen of the Tea Pots shown above assorted as follows.

	List Each	Each
1—No. **12**—Round Shape, 2 Cup Size	$2.50	.....
2—No. **14**—Round Shape, 4 Cup Size	3.00	.....
1—No. **16**—Round Shape, 6 Cup Size	3.50	
1—No. **22**—Squat Shape, 2 Cup Size	2.50	
2—No. **24**—Squat Shape, 4 Cup Size	3.00	
1—No. **26**—Squat Shape, 6 Cup Size	3.50	
1—No. **32**—Tall Shape, 2 Cup Size	2.50	
2—No. **34**—Tall Shape, 4 Cup Size	3.00	
1—No. **36**—Tall Shape, 6 Cup Size	3.50	.....
Per Assortment List		$36.00

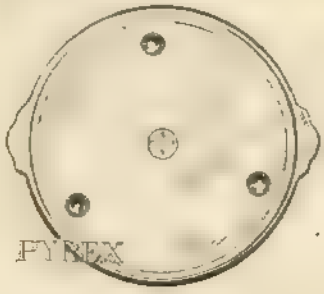
Per Assortment

PYREX TRAY OR TILE

Nos.	706	708
Outside Measurements, Inches	7x¾	9x¾
Each List	$0.50	$0.75
Each		

One in Carton

PYREX TRAY, TILE OR MEAT PLATTER



No.	710
Outside Measurements, Inches	11x¾
Each List	$1.00
Each	

One in Carton

CASSEROLE FRAMES

All frames are seamless, heavily nickel plated. Prices listed are for frames only.

Fits No. **167** Pyrex Casserole

No.	1408N
Round, Inches	7
Capacity, Quarts	1
Each List	$2.00
Each	

Fits No. **168** Pyrex Casserole

No.	1409N
Round, Inches	8
Capacity, Quarts	1½
Each List	2.53
Each	

One in a Carton

CASSEROLE FRAMES

All frames are seamless, heavily nickel plated. Prices listed are for frames only.

Fits No **183** Pyrex Casseroles

No	**1420N**
Oval, Inches	9x6
Capacity, Quarts	1
Each List	$3.41
Each	

Fits No. **184** Pyrex Casserole

No	**1421N**
Oval, Inches	10x7
Capacity, Quarts	1½
Each List	$4.62
Each	

One in a Carton

CASSEROLE FRAMES

All frames are seamless, heavily nickel plated. Prices listed are for frames only

Fits No **193** Pyrex Casserole

No	**1410N**
Oval, Inches	8x6
Capacity, Quarts	1
Each List	$2.97
Each	

Fits No **194** Pyrex Casseroles

No	**1411N**
Oval, Inches	9x7
Capacity, Quarts	2
Each List	$3.41
Each	

One in a Carton

PIE PLATE FRAMES

All frames are seamless, heavily nickel plated. Prices listed are for frames only.

Fits No. **202** Pyrex Pie Plates

No	**1414N**
Round, Inches	8
Each List	$1.65
Each	

Fits No. **203** Pyrex Pie Plates

No	**1415N**
Round, Inches	9
Each List	$1.98
Each	

PYREX WARE WITH ENGRAVED COVERS

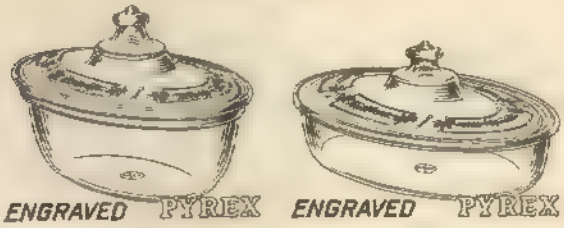
Factory List Prices

PYREX CASSEROLES

Round Fit Standard Mountings

Nos	**167E-6**	**168E-6**
Size Quarts	1	1½
Outside Measurements, Inches	7⅛x2⅝	8⅛x2⅞
Each List	$2.00	$2.25
Each		

One in Carton



No. **193E-6** No. **183E-6**

Oval Fit Standard Mountings

Nos	**193E-6**	**194E-6**
Size, Quarts	1	2
Outside Measurements, Inches	8⅜x5¼x2⅞	9½x7x3¾
Each List	$2.00	$2.50
Each		

One in Carton

Oval, Shallow (Beefsteak), Fit Standard Mountings

Nos	**183E-6**	**184E-6**
Size, Quarts	1	1½
Outside Measurements, Inches	9x6¼x2⅜	10¼x7¾x2⅜
Each List	$2.00	$2.25
Each		

One in Carton

SPIT DEVILS

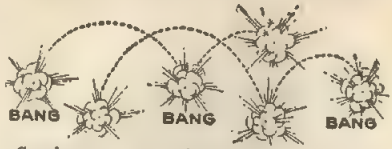
Just place one on the ground, and place your foot over it. The result is one continuous succession of loud reports, just like a repeating pistol or a whole pack of firecrackers going off at once. Sell for one cent each (not less than 12 sold). We make a special price of 10 cents per dozen when a carton of 12 dozen is ordered at one time. Shipped only by express.

No. 6509. SPIT DEVILS. Per doz. 12c
Or a carton containing 12 doz. for $1.20

Comes in stick form, which some boys prefer as they can roll it under the foot. It is a great noise maker that is in great demand where peace and quiet are not desired. Not mailable. Shipped by express only. Orders that include none-mailable articles should be not less than $1.50 in value.

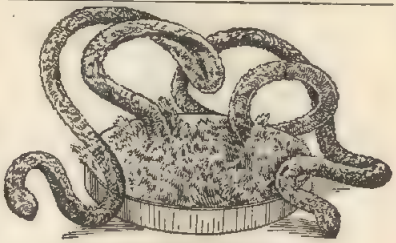
No. 6510. DEVIL STICKS. Per doz. 12c
Or carton containing 12 doz. for $1.20

GRASSHOPPERS



Grasshoppers are really repeating firecrackers, which hop with each successive report. They are a very popular novelty where anything in the way of a noise is desired. By express only.

No. 6511. GRASSHOPPERS. Per doz.....15c
Or a box containing 12 doz. for $1.35



SNAKE VOLCANOES

Something entirely new. The Volcano is lit with a match in the center and you at once see something similar to a 4th of July exhibition of fireworks. Sparks fly in every direction, and a most beautiful miniature fireworks display is seen, after which a regular nest of snakes uncoil themselves from the center of the volcano, slowly increasing in size until they assume enormous lengths. After it is all over the snakes and the curious green-colored ashes may be retained as curiosities, though a box many times the size the one they came in would be required to now hold the immense snakes.

No. 2099. SNAKE VOLCANOES. Per box.....6c
12 Boxes, postpaid anywhere, for 60c

DIPPED STICKS AND GOLDEN SHOWER TORCHES

Lit with a match, they burn slowly, giving an unusually brilliant flame. The Dipped Sticks come in all colors (red, green or silver). The Golden Shower Torches, instead of the regular red or green flame, give a continuous shower of the most beautiful, brilliant, golden stars these have made a big hit.

No. 6517. DIPPED STICKS. Per doz.....12c
No. 6518. GOLDEN SHOWER TORCHES. Doz. 12c

Harmless Indoor

FIREWORKS

Read Page No. 41 Before Ordering

No. 6417. Joke Lodge Bomb.....25 Cents
Each bomb, when lit, goes off with a bang, throwing out Gold and Silver Joke Lodge Decorations

No. 6469. Oriental Bank.....15 Cents
Goes off with a bang when lit, throwing out a large quantity of miniature gold and silver coins and bank notes.

No. 6411. The Oracle of Delphi.....25 Cents
It throws out a number of Oracles or Fortune Telling Slips.. Very entertaining.

No. 6394. Aladdin's Wonderlight.
Each .....20 cents
Light the fuse and there is a loud explosion, followed by scintillating sparks, showers of confetti, etc.

No. 6502. Skyscraper Bomb.
Each .....15 cents
Light the fuse. The Bomb goes off with a loud explosion, at the same time throwing out clouds of cotton balls.

Harmless Indoor

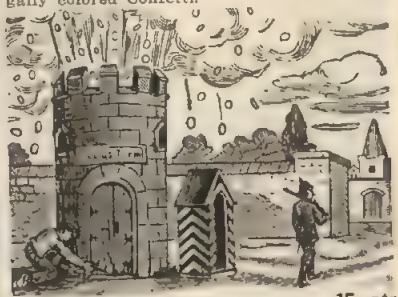
FIREWORKS

Read Page No. 41 Before Ordering

No. 6471. Baker's Oven. 15 cents
When lit, it goes off with a loud Bang, at the same time throwing out a large quantity of Cotton Buns, Cakes, etc., to the delight of all.

No. 6477. Tree of Life. 15 cents
Or "Adam and Eve in the Garden of Eden." Eve is shown in the Garden tempting Adam with the Apple. You light the fuse. It is full of surprises.

No. 6279 A. Confetti Grenade.....20 cents
A new novelty, which, on being lit and thrown a short distance above a person's head, covers the victim with a shower of gaily colored Confetti.



No. 6410. Tower of Gold.....15 cents
When lit, it goes off with a loud bang, throwing out a large quantity of miniature gold and silver coins, also Bank Notes.

No. 6419. Lantern of Diogenes.....15 cents
The illustration says: "I seek Men." Light the Lantern and see what he really did find.

Harmless Indoor

FIREWORKS

Read Page No. 41 Before Ordering

No. 6478. Turkish Fez.
Each ..... 15 cents

When lit, it goes off with a loud Bang, at the same time throwing out a large quantity of confetti and surprises.

No. 6501. Three Sisters' House.
Each ..... 25 cents

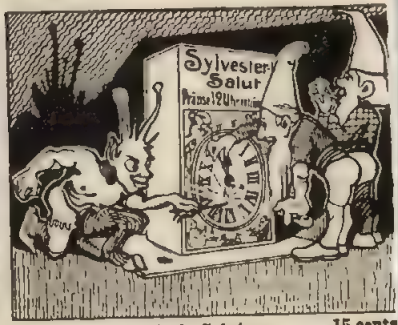
You light the fuse. There is a loud report, followed by very surprising results.

No. 6475. Toy Nursery. ..... 15 cents

When lit, goes off with a bang, throwing out a large assortment of small toys, suitable for gifts or favors.

No. 6412. Japanese Butterfly Bomb.. 20 cents

When lit, throws out myriads of miniature Butterflies.



No. 6454. Sylvester's Salute. ..... 15 cents

Each Salute, when lit, goes off with a bang, throwing out a large assortment of good wish greetings.

HARMLESS INDOOR FIREWORKS

SUITABLE FOR PARTIES, ENTERTAINMENTS, INDOOR OR OUTDOOR CELEBRATIONS, ETC.

Wonderfully Surprising and Novel Effects

PLENTY OF AMUSEMENT AND NO DANGER

LARGE ASSORTMENT TO SUIT EVERYBODY

On the next few pages we list a very complete and beautiful assortment of HARMLESS INDOOR PARLOR FIREWORKS.

This is an entirely new novelty that, we believe, is now offered to the American public for the first time.

These Fireworks are suitable for Parlor or Lawn, and they are PERFECTLY HARMLESS. They are filled with quantities of gaily colored Confetti, Serpentines, Gifts, Favors, Small Toys and Novelties. A match is applied to the fuse, then there is a LOUD EXPLOSION, followed by VERY SURPRISING EFFECTS as the contents SHOOT HIGH UP INTO THE AIR. As they descend to the floor, there is always a scramble to secure the prizes; the element of surprise is always present and keeps the company roused to the highest pitch of excitement during the entire display. The prizes may be used to distribute amongst those present as a happy reminder of the occasion. In others Miniature Snowstorms are produced, and the effect is both vivid and true to life.

The fireworks can be used in daytime as well as night. The varied assortment is large enough to suit everybody and should insure the use of some of these startling novelties at any social gathering, dinner parties, weddings, card parties, Hallow E'en and other celebrations. They are specially in great demand for children's parties, birthday celebrations. Be the first in your locality to "spring this surprising novelties on the natives." Your friends will vote your party as the best and most enjoyable they ever spent. Just the thing for that otherwise dull evening. Some of the novelties contain COMPLETE MINIATURE GAMES AND TOYS, that provide endless amusement and entertainment for a good part of the evening.

RONSON MAGIC SPARKLER

What starts it? What spins the disc? What keeps the disc revolving? What makes the shower of real fire flashes? What lights it without the use of punk or matches? What remarkable ingenuity changes the spark colors automatically? It is all very simple. Just pull the string, and a brilliant circle of red, white and blue sparks burst forth. It is SAFE and HARMLESS. It is sturdy and strong. Built entirely of pressed steel. Foolproof, cannot be taken apart, cannot get out of order. Comes loaded, ready for instant use with sparkling material equal to about two dozen boxes of ordinary Sparklers. Beautiful in day-time, wonderful at night.

No. 6204. RONSON MAGIC SPARKLER. PRICE POSTPAID.....25c
No. 6205. MAGIC SPARKLER RELOADS, EACH, POSTPAID.....5c

Harmless

Indoor

FIREWORKS

Read Page No. 41 Before Ordering

No. 6413. The Devil's Boot.
Each .....35 cents
Light the fuse with a match. It throws out a large assortment of favors, gifts and bonbons.

No. 6448. The Jolly Snowman.
Each .....10 cents
When lit, goes off with a bang, throwing out a very large quantity of downy like snow flakes. A real imitation of a snow storm.

No. 6347. Fragrant Flower Perfume Bomb. .....20 cents
When lit, there is a loud report, and daintily perfumed cotton balls are thrown out, scented with odors of roses, violets, carnations, etc.

No. 6321. Wonder Hat.
Each.....10 cents
When lit, throws out a large assortment of Favors, Gifts, etc.

No. 6414. Tombola Favor Bombs.
Each.....25 cents
Each bomb, when lit, goes off with a loud report, throwing out Wheel of Fortune Favors. The lucky one wins the Prize.

HARMLESS INDOOR FIREWORKS

Read Page No. 41 Before Ordering

No. 6476. Golden Shower Bomb. ..... 15 cents
Each bomb, when lit, goes off with a bang, at the same time throwing out a large quantity of golden yellow confetti.

No. 6416. Laughing Uncle.
When lit, goes off with a bang, throwing out a large quantity of entertaining parlor jokes.
Each ..... 25 cents

No. 6415. Jolly Snow Ball Battle. .... 15 cents
Light the fuse. There is a loud explosion and the guests are bombarded with miniature snowballs and snow.

No. 6383. Clown Hat. .....5 cents
Each cone, when lit, throws out myriads of bright, scintillating sparks.

No. 6506. Beehive Bomb.....15 cents
Quite harmless, but full of surprises.

No. 6473. The Touch Me Not Cask. Each ..... 15 cents
Perfectly harmless. Touch the fuse with a spark and see the explosion.

Harmless Indoor

FIREWORKS

Read Page No. 41 Before Ordering

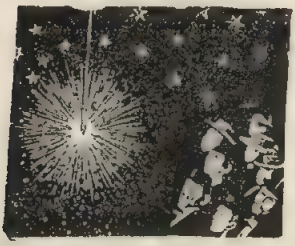
No. 6351. Surprise Dice. .....25 cents

When lit, a pack of miniature cards, poker chips, coins, etc., fly out, to the surprise of all.

No. 6349. Monkey House. ..... 25 cents

When fuse is lit, there is a loud report, and a quantity of monkeys and cotton balls are thrown out. The articles can be used as favors or Booby Prizes.

Electric Sparklers



Each Sparkler, when lit, throws out on every side thousands of most beautiful stars and Sparks for quite a while, continuing until the Sparkler burns right down. The effect is very pretty and elaborate. There is nothing to explode, hence they are practically harmless. Made of metallic composition on wire which can be hung on the hat, held in the hand or any position desired. Fine for street parades, picnics, lawn parties and all outdoor celebrations.

No. 6302. Electric Sparklers, per box .....10 cents

No. 6273. Confetti Bombs.
Each.....10 cents

Filled with assorted Confetti. No smoke or smell. Quite harmless.

No. 6474. Aeroplane Hangar. ..... 15 cents

Light the fuse; there is a loud explosion, and miniature Aeroplanes, etc., are thrown high up into the air in a very life-like manner.

No. 6399. The Gift Bazaar. ..... 25 cents

When lit, goes off with a bang, throwing out a large assortment of Favors, Gifts, etc.

No. 6472. Editor's Waste Basket. ..... 15 cents

When lit, goes off with a bang, throwing out variegated confetti and papers.

Harmless Indoor

FIREWORKS

Read Page No. 41 Before Ordering

No. 6284. East Indian Cobra. Price.....50 cents per box of 12

When lit, an enormous snake-like reptile emerges from a pool of sparkling, scintillating fire. Very novel and quite harmless.

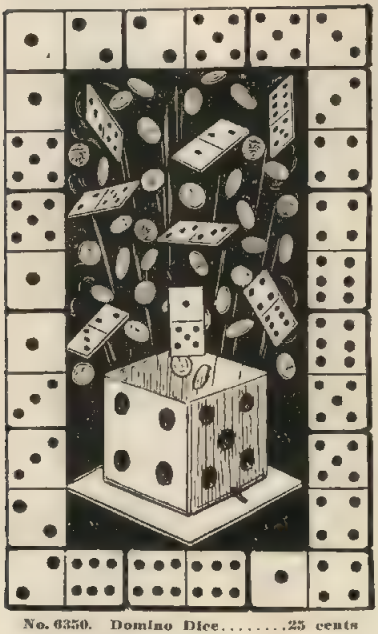
No 6346. Shot Tower.. 25 cents

Light the Tower with a match. There is a very loud explosion, and a large quantity of variegated colored Balls are thrown up high into the air The effect is very novel and the result pleasing surprise to all.

Narrow minds seem to be able to squeeze in anywhere.

Harmless Indoor Fireworks

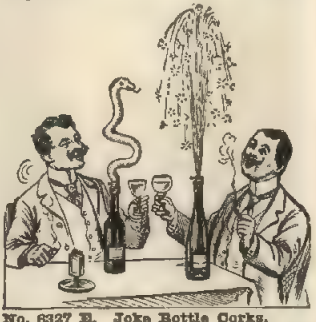
Read Page No. 41 Before Ordering



No. 6350. Domino Dice.....25 cents
Throws out a full set of dominoes and miniature gold coins.

No. 6409. Comical Nut Cracker. ..... 25 cents
Throws out jokes, riddles, etc., to be solved.

No. 6344. Parlor Snowstorm.
Price.....50 cents per box of 12
Each cone, when lit, throws out a quantity of delicate snow-like flakes. The "snowstorm" lasts for quite a long time.



No. 6327 E. Joke Bottle Corks.
Each.....10 cents
A great fun maker. Resembles ordinary corks. Inserted in a bottle and lit, when they throw out numerous sparks, snake, snow, electric light, and other harmless fireworks.

No. 6345. Miniature Volcano.
Price.....50 cents per box of 12
Or the eruption of Mount Vesuvius. If you have ever seen a Volcano in action, here in your chance. A great joke novelty and perfectly harmless.

When thrown sharply to the ground, against a wall, etc., they go off with a terrific bang, like the report of a revolver or the blow-out of an automobile tire. A pocket full of Torpedoes will give a boy more fun than a ship load of other fireworks. Made in two shapes, as illustrated, both measuring about an inch in diameter. Not mailable. Shipped only by express.

No. 6507. GLOBE TORPEDOES. Per doz. 12c
No. 6508. TUBE TORPEDOES. Per doz. 12c
Or 65 cents for a box of 6 dozen (either kind).

VESUVIUS FOUNTAIN

VESUVIUS FOUNTAIN

A very pleasing and popular novelty which, when lit, erupts a beautiful shower of brilliant golden stars. Quite harmless. The effect on a dark night is very striking and pretty. Not mailable; shipped only by express. Price 35 cents per doz. Half a dozen will be supplied for 18 cents, but no less.

No. 6513. VESUVIUS FOUNTAINS. Doz. 35

SUN WHEELS

Sun Wheels are a special type of Electric Sparkler, particularly recommended for night display. Made in either red or green colors. They give intensely brilliant light, and have a beautiful shower effect. By bending the wire handle at the end and whirling in a circle, a wonderful wheel of colored light is formed, from which it derives its name.

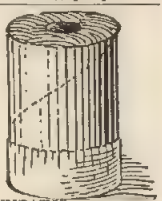
No. 6200R. Red, per box....15c
No. 6200G. Green, per box..15c

BARREL SNAKES

Another snake novelty. A wooden barrel, two inches in height, contains a large pellet, which, when lit with a match, develops into the largest and most marvelous Snake you ever saw. One pellet will often produce a snake many yards long. It seems as if it will never come to an end. If desired the pellet may be broken up into several pieces that may be lit together or separately. If lit simultaneously, a regular nest of snakes is produced.

No. 2100. BARREL SNAKE. Price... 10c
3 for 25c, or 12 for 75 cents postpaid

FLITTER FOUNTAIN



One of the most popular fireworks novelties on the market. Lights with a green flame and ends with an eruption of beautiful silver stars. Not mailable; shipped only by express.

No. 6512 FLITTER FOUNTAINS. Per dozen 15c
Or a box of 12 doz. for $1.55

TORCHES

RED & GREEN

10 Cents

Equipped with solid wooden handles—cannot be surpassed for uniform length of burning, brilliancy and real color effect. Two colors, red or green. Shipped only by express.

No. 6519. RED TORCHES, Price each.. 10c
No. 6520. GREEN TORCHES. Price each..10c
Or a box of 24 Torches for only $1.75

Harmless Indoor

FIREWORKS

Read Page No. 41 Before Ordering

No. 6500. Bolsheviki Bomb.
Each ..... 25 cents

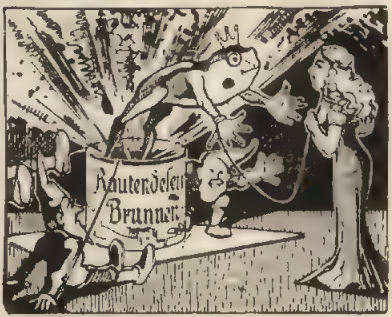
Each Bomb, when lit, goes off with a loud bang, throwing out a large quantity of Flags.

No. 6388. Saluting Cannon.
Each ..... 25 cents

Light the Cannon with a match, and it goes off with a loud explosion, throwing out beautiful showers of gaily colored confetti and other surprises.

No. 6389. Big Bertha.
Each ..... 25 cents

When lit, goes off with a loud report, throwing out large quantities of dainty favors which can be used as gifts, prizes, etc.



No. 6455. Froggy in the Well.
Each ..... 25 cents

A real surprise. Just light the fuse and watch the result.

No. 6470. Cupid's Bower.
Each ..... 15 cents

When lit, throws out a large quantity of miniature Love Letters, the reading of which will cause much amusement.

BAILEY ADJUSTABLE IRON PLANES

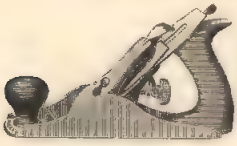


FIG. 563

FIG 564

Any of these Planes (except No. 1) will be furnished with Corrugated Bottom, without extra charge, if so ordered (see Fig. 565).

FIG. 565 (Corrugated Bottom)

No.				Each
1	Smooth Plane,	5½	inches in length, 1¾ inch Cutter	$1.65
2	" "	7	" " " 1⅞ " "	2.05
3	" "	8	" " " 1⅞ " "	2.20
4	" "	9	" " " 2 " "	2.40
4½	" "	10	" " " 2⅛ " "	2.75
5	Jack Plane,	14	" " " 2 " "	2.75
5½	" "	15	" " " 2¼ " "	3.15
6	Fore Plane,	18	" " " 2⅜ " "	3.50
7	Jointer Plane,	22	" " " 2⅜ " "	4.00
8	" "	24	" " " 2⅝ " "	4.80

BAILEY ADJUSTABLE WOOD PLANES

FIG. 566

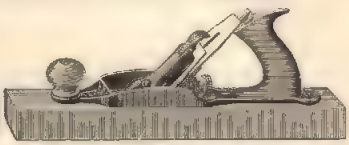


FIG. 567

No.				Each
21	Smooth Plane,	7	inches in length, 1⅝ inch Cutter	$1.50
22	" "	8	" " " 1¾ " "	1.50
23	" "	9	" " " 1¾ " "	1.50
24	" "	8	" " " 2 " "	1.50
25	Block Plane,	9½	" " " 1⅜ " "	1.50
35	Handle Smooth,	9	" " " 2 " "	1.90
36	" "	10	" " " 2¼ " "	2.05
37	Jenny Smooth,	13	" " " 2⅜ " "	2.20
26	Jack Plane,	15	" " " 2 " "	1.85
27	" "	15	" " " 2¼ " "	1.90
27½	" "	15	" " " 2¼ " "	1.90
28	Fore Plane,	18	" " " 2¼ " "	2.05
29	" "	20	" " " 2⅜ " "	2.05
30	Jointer Plane,	22	" " " 2⅜ " "	2.20
31	" "	24	" " " 2⅜ " "	2.20
32	" "	26	" " " 2⅜ " "	2.40
33	" "	28	" " " 2⅜ " "	2.40
34	" "	30	" " " 2⅜ " "	2.60

Extra Plane Woods of any style can be supplied at a small cost.

BED ROCK PLANES

NO. 605

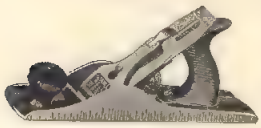


FIG. 568

Among the novel points in this Plane are:

A Frog with a machined face.

A Frog so designed that the entire bottom of the Frog rests solidly on a Seat formed in the Plane body

A Frog so designed that its sides conform to Guides formed in the Plane body, which Guides lend accuracy of adjustment to the Frog as well as prevent any possibility of its wobbling.

A reliable adjustment for width of Throat opening.

No.			PLAIN BOTTOMS	Each
602	Smooth,	7 inches in length, 1⅝ inch Cutter.		$2.35
603	"	8 " " 1¾ " "		2.55
604	"	9 " " 2 " "		2.75
604½	"	10 " " 2¼ " "		3.20
605	Jack.	14 " " 2 " "		3.20
605½	"	15 " " 2¼ " "		3.60
606	Fore,	18 " " 2¾ " "		3.85
607	Jointer,	22 " " 2⅝ " "		4.60
608	"	24 " " 2⅝ " "		5.50

Above with Corrugated Bottoms, furnished at same price, if so ordered.

BAILEY ADJUSTABLE BLOCK PLANES

FIG. 569

No.		Each
9½	Block Plane, 6 in. in length, 1¾ inch Cutter	$1.10
15	Block Plane, 7 in. in length, 1¾ inch Cutter	1.20
16	Nickel Trimmings, 6 inches in length, 1¾ inch Cutter	1.25
17	Nickel Trimmings, 7 inches in length, 1¾ inch Cutter	1.35
9¾	Rosewood Handle, 6 inches in length, 1¾ inch Cutter	1.30
15½	Rosewood Handle, 7 inches in length, 1¾ inch Cutter	1.40

KNUCKLE JOINT BLOCK PLANES

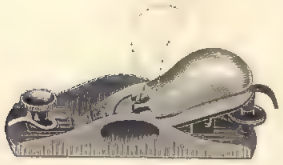


FIG. 570

The Knuckle Joint in the Cap makes it a Lever also, and placing the Cap in position, will clamp the Cutter securely in its Seat.

No.		Each.
18	Nickel Trimmings, 6 inches in length, 1¾ inch Cutter	$1.30
19	Nickel Trimmings, 7 inches in length, 1¾ inch Cutter	1.40

LOW ANGLE BLOCK PLANES

FIG. 571

These Planes have the Cutters set at a very low angle, which is of great advantage when working across the grain.

No.		Each
60½	Low Angle Block, 6 inches in length, 1⅝ inch Cutter	$1.10
65½	Low Angle Block, 7 inches in length, 1¾ inch Cutter	1.20
60	Nickel Trimmings, 6 inches in length, 1⅝ inch Cutter	1.25
65	Nickel Trimmings, 7 inches in length, 1¾ inch Cutter	1.35

BAILEY
BLOCK PLANES
ADJUSTABLE DOUBLE END

FIG. 572

This Plane has Two Slots and a movable Cutter Seat. When it is desired to use it as a Bull Nose Plane, the Adjustable Cutter Seat can be reversed as indicated in cut.

No.		Each
131	Block Plane (Double Ender), 8 in. in Length, 1¾ in. Cutter	$1.50

BLOCK PLANE IRONS

For No ..	9½	9¾	15	15½	16	17	18	19	60	60½	65	65½	131
Per dozen ..	$2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

Orders for Block Plane Irons should designate the Number of the Plane for which they are wanted.

BAILEY PLANE IRONS

FIG 573

Size, inches	1¼	1⅜	1¾	2	2⅛	2¼	2⅜	2⅝
Single Irons, each	.18	.21	.23	.25	.27	.28	.29	.32
Double Irons, each	.32	.35	.38	.42	.45	.47	.48	.50

Half dozen in a Box.

Orders for Plane Irons should designate the Number of the Plane for which they are wanted.

STANLEY
BLOCK PLANES

NO. 101

FIG. 574

No. **101** Block Plane, 3⅛ inches in length, 1 inch Cutter ..... Each .20

NO. 100

FIG 575

No. **100** Block Plane, Handled, 3½ inches in length, 1 inch Cutter ..... Each .25

NO. 103

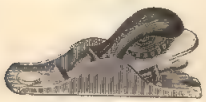


FIG. 576

No.		Each.
102	Block Plane, 5⅛ inches in length, 1¼ inch Cutter	.40
103	Block Plane, Adjustable, 5½ inches in Length, 1¾ inch Cutter	.55

STANLEY
BLOCK PLANES

NO. 110

FIG. 577

No.		Each
110	Block Plane, 7⅛ inches in length, 1¾ inch Cutter	.55
120	Block Plane, Adjustable, 7⅛ inches in length, 1¾ inch Cutter	.75

No. 130 Plane has two Slots, and two Cutter Seats. It can be used as a Block Plane, or by reversing the position of the Cutter and the Clamping Wedge (see dotted lines in the engraving). It can be used to plane close up into corners, or places difficult to reach with any other Plane.

No. **130** Block Plane (Double-Ender) 8 inches in length, 1¾ inch Cutter, each..... .75

NO. 130

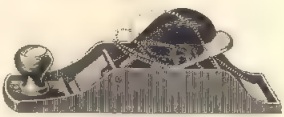


FIG. 578

NO. 220

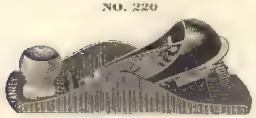


FIG. 579

No. **220** Block Plane, Adjustable, 7⅛ inches in length, 1¾ inch Cutter, each..... .75

STANLEY BLOCK PLANE IRONS

For No.....	100	101	102	103	110	120	130	220
Per dozen.....	.60	.60	1.00	1.00	1.50	2.00	1.50	2.00

Orders for Plane Irons should designate the Number of the Plane for which they are wanted

BULL-NOSE RABBET PLANES

NO. 75

FIG. 580

No **75** Iron Stock, 4 inches in length, 1 inch Cutter.....Each .40
Cutters..... " .10

CARRIAGE MAKER'S RABBET PLANES

FIG. 581

No.		Each
10½	Carriage Maker's Rabbet Plane, 9 inches in length, 2⅝ inch Cutter	$2.75
10	Carriage Maker's Rabbet Plane, 13 inches in length, 2⅝ inch Cutter	3.30

Will furnish with Corrugated Bottoms at same price, if so ordered

STANLEY

ADJUSTABLE PLANES

Adjusted by a Lever, and especially adapted for working on soft woods.

STEEL PLANES

FIG 582

No.		Each.
104	Steel Smooth Plane, 9 inches in length, 2¼ inch Cutter	$2.05
105	Steel Jack Plane, 14 inches in length, 2¼ inch Cutter	2.60

WOOD PLANES

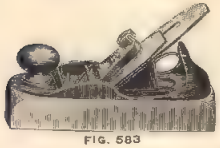


FIG. 583

No.		Each.
122	Smooth Plane, 8 inches in length, 1¾ inch Cutter	$1.10
135	Handle Smooth, 10 inches in length, 2⅛ inch Cutter	1.50

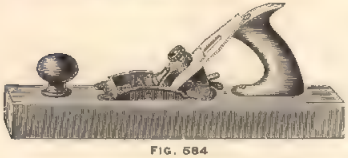


FIG. 584

No.		Each
127	Jack Plane, 15 in. in length, 2⅝ in. Cutter	$1.50
129	Fore Plane, 20 in. in length, 2⅝ in. Cutter	1.65
132	Jointer Plane, 26 inches in length, 2⅝ inch Cutter	1.90

STANLEY

PLANE IRONS

Size, inches	1¾	2⅛	2⅜	2⅝
Single Irons, each	.23	.27	.29	.32
Double Irons, each	.38	.45	.48	.50

Half dozen in a Box.

Orders for Plane Irons should designate the Number of the Plane for which they are wanted.

ADJUSTABLE CIRCULAR PLANES

FIG. 585

By means of the Graduated Scale on the Gears, the Face can be accurately set to work an arc of the same circle, both concave and convex, by turning the Knob on the front of the Plane.

No. **113** Adjustable Circular Plane, 1¾ inch Cutter ..... Each $3.00

STANLEY ADJUSTABLE CIRCULAR PLANES

NO. 20 AND 20½

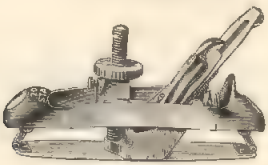


FIG. 586

There are less parts subject to lost motion in this Plane than in any other Circular Plane. The ends of the Flexible Face being fixed and the force applied at the center, great accuracy of adjustment is possible and the face is most firmly held in position.

No.		Each
20½	Adjustable Circular Plane, 1¾ inch Cutter	$3 50
20	" " " Nickel Plated, 1¾ inch Cutter	4 10

BAILEY ADJUSTABLE VENEER SCRAPERS

NO. 12

FIG. 587

This Tool takes the same Cutters as Scraper Plane No. 112, described below.

No.		Each
12	Adjustable Veneer Scraper, 3 inch Cutter	$2.50
12½	" " " Wood Face.	3.30

ADJUSTABLE SCRAPER PLANES

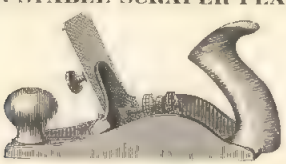


FIG. 588

Cutters for Toothing can be furnished having either 22, 28 or 32 Teeth to the inch. An extra charge is made for each Toothing Cutter.

No.		Each
112	Adjustable Scraper Plane, 9 inches in length, 3 inch Cutter	$2 20
	Extra Cutters for Veneer Scraping	.20
	Cutters, for Toothing, No. 22, 28, 32 (22, 28 or 32 Teeth per inch)	.30

STANLEY

ADJUSTABLE BEADING, RABBET AND MATCHING PLANES

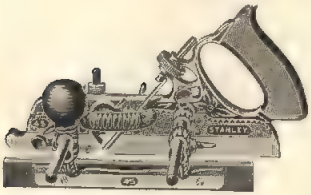


FIG. 610

This Plane embraces (1) Beading and Center Beading Plane, (2) Rabbet and Filletster, (3) Dado, (4) Plow, (5) Matching Plane, (6) Sash Plane, and (7) a superior Slitting Plane.

Each Plane has seven Beading Tools (1/8, 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2 inch), ten Plow and Dado Bits (1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4 and 1/8 inch), a Slitting Blade, a Tonguing Tool and a Sash Tool.

No. **45** Nickel Plated, with 20 Tools, Bits, etc.... .... Each $9.00

UNIVERSAL PLANES NO. 55

This Tool, in the hands of an ordinary carpenter, can be used on all lines of work covered by a full assortment of so-called Fancy Planes.

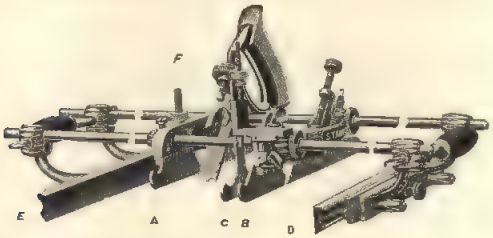


FIG. 611

No. **55** Universal Plane, with 52 Tools, Bits, etc..... ...Each $18.00

The Plane is Nickel Plated, the 52 Cutters are arranged in four separate cases, and the entire outfit is in a neat Wooden Box.

ODD-JOBS

(10 TOOLS IN ONE)

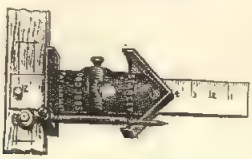


FIG. 612

No. **1** Odd-Jobs, Nickel Plated, with Rule.... .... Per dozen $9.00

BENCH PLANES

SMOOTH—NO. 112

FIG. 613

JACK—NO. 113½

FIG 614

FORE NO. 114

FIG. 615

EXTRA BENCH PLANES, DOUBLE IRONS

WOOD STARTS

No.		Size Irons, Inches.	With Best Cast Steel Irons, each	With English or Buck Bros. Irons, each
112	Smooth	1¾ to 2¼	.90	$1.20
113	Jack, 16 inch	2 " 2¼	1.00	1.30
113½	" Razee Handle	2 " 2¼	1.20	1.50
114	Fore, 18 to 22 inch	2⅜ " 2⅝	1.40	2.00
114½	" Razee Handle, 18 to 22 inch	2⅜ " 2⅝	1.90	2.20
115	Jointer, 24 to 26 inch	2½ " 2¾	1.80	2.10
	" 28 inch	2½ " 2¾	1.90	2.20
	" 30 "	2½ " 2¾	2.15	2.45
115½	" Razee Handle, 24 to 26 inch	2⅝ " 2¾	2.05	2.35
	" " " 28 inch	2½ " 2¾	2.15	2.45
	" " " 30 "	2½ " 2¾	2.40	2.70

Planes with extra sized Double Irons, per ⅛ inch, add to list price.. .15 .15

COMMON BENCH PLANES

Stamped J. Pearce.

DOUBLE IRONS, WITH IRON STARTS

No.			Each
108	Smooth,	Best Cast Steel Irons, 1¾ to 2¼ inches	.90
108½	" Jack Handle,	" " " " 2 " 2¼ "	1.30
109	Jack, 16 inch,	" " " " 2 " 2¼ "	1.00
110	Fore, 18 to 22 inch,	" " " " 2⅜ " 2⅝ "	1.70
111	Jointer, 26 inch,	" " " " 2½ " 2¾ "	1.80
	" 28 "	" " " " 2½ " 2¾ "	1.90
	" 30 "	" " " " 2½ " 2¾ "	2.15

PLANES

TOOTH PLANE

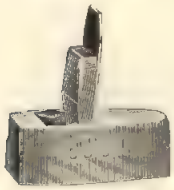


FIG. 616

No. **130** Single Iron, 1¾ to 2 inches, Each $1.00

GERMAN HORN SMOOTH

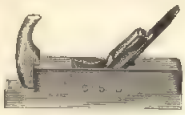


FIG. 617

No.		Each
448	Double Iron, Square Nose, 1¾, 1⅞, 2, 2⅛ inch	$1.25
449	Schrupp Single Iron, Round Nose, 1¾, 1⅞, 1¾ inch	1.05

NO. 123

FIG. 618

NO. 126

FIG. 619

BEAD PLANES

NO. 123 SIDE BEADS, SINGLE BOXED

Size, inches	⅛	3/16	¼	5/16	⅜	7/16	½	⅝	¾
Each	.50	.50	.50	.50	.50	.50	.50	.55	.55

Size, inches	⅛	1	1⅛	1¼	1⅜	1½
Each	.70	.70	.90	.90	1.00	1.00

NO. 126 CENTER BEADS, DOUBLE BOXED

Size, inches	⅛	3/16	¼	5/16	⅜	7/16	½	⅝	¾	⅞	1
Each	.60	.60	.60	.60	.60	.60	.60	.65	.65	.80	.80

NOSING OR STEP

FIG. 620

DADO

FIG. 621

MATCH NO. 174

FIG. 622

FILLETSTER

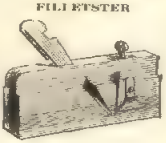


FIG. 623

NO. 133 NOSING OR STEP, TWO IRONS

Size, inches	¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2
Each	$1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.50	1.50

NO. 139 DADO, WITH SCREW STOP

Size, inches	¾	5/16	⅜	⅞	⅝	¾	⅞	1
Each	$1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

MATCH

No.		Per pair
173	Match Planes, ⅝ to 1 inch	$1.50
174	" " Plated, ⅝ to 1 inch	1.75

FILLETSTER

150 With Screw Stop, Cut and Dovetailed, Boxed ..... Each 2.50

PLANES

RABBET PLANES

SQUARE, NO. 155

FIG. 624

SKEW, NO. 157

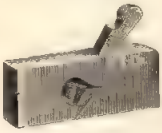


FIG. 625

NO. 155—RABBET PLANES, SQUARE

Size, inches	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	1⅝	1¾	2	2¼
Each	$1.00	1.00	.60	.60	.60	.60	.60	.65	.65	.70	.70	.80	.90	1.00

NO. 157—RABBET PLANES, SKEW

Size, inches	¼	⅜	½	⅝	¾	⅞	1	1¼	1½	1⅝	1½	1⅝	1¾	1⅞	2	2¼
Each	$1.00	1.00	.60	.60	.60	.60	.60	.65	.65	.70	.70	.80	.80	.90	.90	1.00

Extra for one Cutter, add .15; for two Cutters, add .30 to list.

HOLLOWS AND ROUNDS

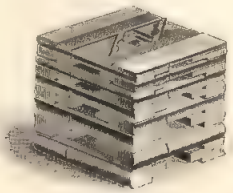


FIG. 626

No.									Per set
163	Hollows and Rounds, set	9	pairs,	2	to	18,	even numbers		$9.45
164	"	"	"	10	"	2	"	20,	"	"			10.80
165	"	"	"	12	"	2	"	24,	"	"			13.50
167	"	"	"	No. 2, 4, 6, 8, 10, 12								Per pair	1.00
	"	"	"	" 14, 16, 18								" "	1.15
	"	"	"	" 20, 22, 24								" "	1.35
	"	"	"	" 26, 28, 30								" "	1.75

Hollows only, half price; Rounds only, half price.

SIZES OF CIRCLES WORKED BY HOLLOWS AND ROUNDS

Size, No.	2	4	6	8	10	12	14	16
Width of Iron, inches	¼	⅝	½	⅝	¾	⅞	1	1⅛
Size of Circle worked, inches	⅛	¼	1	1¼	1⅜	1¾	2	2¼
Size, No.	18	20	22	24	26	28	30	
Width of Iron, inches	1¼	1⅜	1½	1⅝	1¾	1⅞	2	
Size of Circle worked, inches	2⅛	2¼	3	3¼	3½	3¾	4	

Hollows leave the Wood Round, Rounds leave the Wood Hollow.

SASH PLANES

OVOLO, BOXED

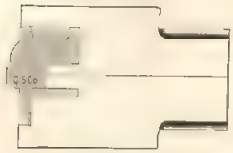


FIG. 627

No.		Each
189	Sash Plane, with two Irons, 1¼ inch	$1.00
191¼	Sash Plane, " " " Adjustable 1⅝ inch up, Boxed, Self-Regulating, Brass Pad	1.65
192	Sash Plane, Screw Arms, Adjustable 1⅝ inch up, Self-Regulating	1.75
195	Sash Plane, " " " 1⅝ " " " Boxed	2.00

BUCK BROS. CAST STEEL CUT PLANE IRONS

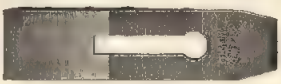


FIG. 628

Size, inches	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3
Per dozen	$3.10	3.15	3.15	3.20	3.30	3.60	3.75	3.90	4.50	5.00	5.25	5.90	6.70	7.75	8.50

BUCK BROS. CAST STEEL DOUBLE PLANE IRONS

FIG. 629

Size, in.	1¼	1⅜	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3
Per doz	$6.00	6.00	6.10	6.10	6.30	6.70	6.90	7.20	7.90	8.75	9.30	10.15	11.15	13.00	14.20

PLANE HANDLES FOR WOOD PLANES

NO. 1

FIG. 630

NO. 3

FIG. 631

Made from selected Beech.

No.		Per dozen
1	Jack	.90
3	Fore or Jointer	.75

One dozen in a Box.

BAILEY IRON SPOKE SHAVES

NO. 51

FIG 632

NO. 54

FIG. 633

No.			Per Doz.
51	Double Iron, Raised Handle	10 in., 2¼ in. Cutter.	$3.50
52	" " Straight "	10 " 2¼ " "	3.50
53	Adjustable, Raised "	10 " 2¼ " "	4.50
54	" Straight "	10 " 2¼ " "	4.50
55	Model Double Iron, Hollow Face	10 " 2¼ " "	3.60
56	Cooper's Spoke Shave	18 " 2⅝ " "	7.00
56½	" " " (Heavy)	19 " 4 " "	9.00
57	" " " (Light)	18 " 2⅜ " "	4.80
58	Model Double Iron	10 " 2¼ " "	3.00
59	Single Iron (Pattern of No. 56)	10 " 2⅜ " "	3.50
60	Double Cutter, Hollow and Straight	10 " 1⅝ " "	4.50
62	Raised Handle, Reversible (Heavy), Double Cutter	10 " 2⅜ " "	6.00
64	Straight Handle	9 " 1¾ " "	2.00

SPOKE SHAVE CUTTTERS

No.	Per Doz.
51, 52, 53, 54, 55, 57, 58, 59, 62	$1.00
61, 65	.75
60 (in pairs)	1.50
56	1.50
56½	2.00

CHAMFER SPOKE SHAVES

This Tool can be easily adjusted by means of the Thumb-Screws attached to the Guides; and will chamfer an edge any desired width up to 1¾ inch.

FIG. 634

No. 65 Raised Handle, 1¾ inch Cutter ..... Per dozen $6.00

SPOKE SHAVE, NO. 1 MILLERS FALLS

FIG 635

The circular shape of this Tool enables it to work in smaller circles than other shapes.

Either Handle can be removed to work in cramped places. Metal parts are Polished and Nickel Plated, and the Handles Cocobola.

No. 1 ..... Per dozen $9.00

Half dozen in a Box.

FOUR FACED SPOKE SHAVE, NO. 2 MILLERS FALLS

FIG 636

Either Handle may be taken off to work in cramped places. The body of the tool and metal tips to the Cocobola Handles are polished and Nicke. Plated. Length of blade, 2 inches; extreme length, 11 inches.

No. 2 ..... Per dozen $12.00

Half dozen in a Box.

CARBIDE MINERS LAMPS

Auto-Lite

Made of polished brass, nickel plated, with improved water dropper. Nickel Reflector, with spray spreader. Burns 3½ to 4 hours with one charge. Weighs 5 ounces.

No. **302X.** With Extra Bottom

Per Dozen List $24.75

Per Dozen ..

No. **302X.** Without Extra Bottom

Per Dozen List $21.34

Per Dozen .....

One Dozen in a Box

Auto-Lite Reflector

No.	202
Size, Inches	2¾
Per Dozen List	$4.40

Per Dozen

POCKET CARBIDE CAN

Made of light steel, tin coated, ribbed, double seamed and sliding cover, air tight, concaved to fit the boot or hip pocket. Holds full day's supply. Lithographed in three colors, strong and durable. The most convenient and safest carbide supply can on the market. Won't rust

No.	77
Height, Inches	4½
Width, Inches	3½
Depth, Inches	1⅛
Per Dozen List	.....
Per Dozen	.....

Packed One Dozen in a Carton

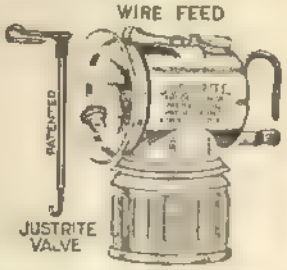
TIN CARNEGIE TORCH OR LAMP

Heavy Tin with Brass Burner Tube, 1 Quart

Per Dozen List $5.72

Per Dozen ....

CARBIDE MINERS LAMPS



Drawn from seamless brass. Attached parts are riveted and soldered in place. Concave Reflector. Part of the lamp cannot get loose or be broken off. Equipped with No. 60 Lava Tip

Height of Lamp, 5¾ inches. Diameter bottom, 2 inches. Weight, 5 ounces. Candle power, 16.7. Charge, 2 ounces ¾-inch carbide. Burning capacity, 2½ hours.

No. **407.** Justrite. Lamp Only, Polished Brass Finish

Per Dozen List $19.80

Per Dozen .....

Packed One Dozen in a Box

MILL LAMP

With Wire Hook

	Per Dozen List	Per Dozen
No. **34.** Small, tin, ¾ pint	$6.16	.....
No. **22.** Large, tin, 2 pint	7.15	

PYRAMID TORCHES OR LAMPS

Heavy Steel, Brazed Joints, One Burner, Screw Top with Chain and Hook

Size, Pints	1	2	4
Per Dozen List	$13.86	$13.86	$22.18

Per Dozen ....

MINERS' SQUIB BOXES

No. **10.** Tin, Oval, 1⅝x3⅝x7 Inches

Per Dozen List $1.43

Per Dozen .....

One Dozen in a Package

SOUP LADLES

Retinned, Threaded Handles

No	38
Inches	3½x1¼
Per Dozen List	$2.24

Per Dozen.

COAL HODS

Japanned, Plain Bodies Open, Round Bottoms, Half Oval Bails

Nos	6	7
Inches	16	17
Per Dozen List	$6 49	7.15

Per Dozen..... ....

Half Dozen in a Bundle

COAL HODS

Galvanized, Plain Bodies, Open, Round Bottoms, Half Oval Bails

Nos	516	517	518	520
Inches	16	17	18	20
Per Dozen List	$9 02	$9.79	$10.67	$16.17

Per Dozen..... ....

Half Dozen in a Bundle

FUNNEL COAL HODS

Galvanized, Plain Bodies, Funnel, Round Bottoms, Half Oval Bails.

No. 717 17 Inch

Per Dozen List..... .... $12.65

Per Dozen..... .....

One Quarter Dozen in a Bundle

SOUP LADLES

Retinned, Wood Handles

Nos	29	30
Inches	3¼x1¼	4x1¼
Per Dozen List	$2.46	$2.71

Per Dozen..... .....

CARBIDE MINERS LAMPS

Sun Ray

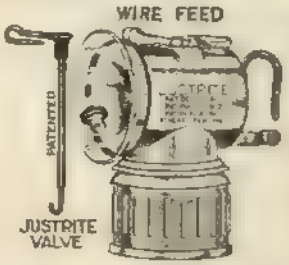
Made of heavy brass, nickeled plated Burner can be taken off or put on in half a minute. Reflector collar is riveted on. Rubber gasket will not become hard. Screw threads are rolled deep. Height 3½ inches, weight 5 ounces.

No	15
Per Dozen List	$19 80

Per Dozen

One Dozen in a Box

CARBIDE MINERS LAMPS



Drawn from seamless brass. Attached parts are riveted and soldered inside. Deep concaved Reflector is part of the lamp; cannot get loose or be broken off. Equipped with lighter attachment.

Height of lamps, 4 inches; diameter, bottom, 2 inches; water tank, 1¾ inches diameter; 2¼ inches long.

Weight, 5 ounces; 16.7 candle power.

Capacity, 2 ounces; ¾-inch carbide.

Lever Feed, 2¼-inch Reflector

No. 85. With Carbide Can, Polished Brass Finish

Per Dozen List..... $22 00

Per Dozen List..... ....

No. 87. With Extra Bottom, Polished Brass Finish

Per Dozen List..... $24.20

Per Dozen..... .....

One Dozen in a Box

HOW TO LEARN TO PLAY BANJO

The Gypsy Method for the Guitar has been on the market more than half a score of years. Thousands of copies have been sold in this country and Europe, and unsolicited testimonials coming from near and far testify to the pleasure and profit derived from studying music by this method. As applied to the banjo the Gypsy method is, if such be possible, a still grander success. No matter how much you know about playing the banjo, the Gypsy method will teach you a few things you do not know. No matter how little you know, the Gypsy method will enlighten you thoroughly, quickly and correctly. No teacher would think of charging less than 50 cents a lesson; the Gypsy method teaches you at the rate of half a cent a lesson—besides, it saves you the headaches. From it you can learn chords, complete and popular tunes. Price 25c.

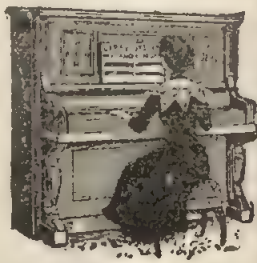
No. 1202. How to Play Banjo.....25c

LEARN TO PITCH

Lessons by "MATTY" FD. WALSH, "DOC" WHITE, WALTER JOHNSON, "NAP" RUCKER, "SMOKE" JOE WOOD. PITCH THE FADE-AWAY, SPITTER, KNUCKLER, SMOKE BALL, etc. Clearly described and illustrated by 56 Pictures. Entire COURSE OF LESSONS SENT POSTPAID for 25 cents.

No. 1274. Learn to Pitch.....25c

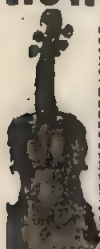
HOW TO LEARN TO PLAY PIANO OR ORGAN



It was the dream of J. J. Rousseau, the famous French philosopher of the 18th century, to simplify musical notation, yet not ultimately with the advent of the Gypsy method, has the dream been realized, the deed accomplished. The unparalleled success of the Gypsy method for stringed instruments is so well and generally known that little need be said in offering to the public the Gypsy Method for Piano and Organ. Anyone with a little patience and perseverance can learn to play piano or organ without the cost of taking lessons for term after term from so-called teachers. Girls and boys can easily learn with this Gypsy method the accompaniment on piano or organ to any of the popular songs of the day. There's nothing more satisfying than to be the "only one" in the crowd who can play. You're the whole attraction. If you doubt us try it and be convinced. This is just the book for home use. Bear in mind the Gypsy method is complete instruction book.

No. 1207. How to Play Piano.....25c

HOW TO LEARN TO PLAY VIOLIN



The late Professor Emil Becker, a graduate of the Conservatory of Music at Leipsic, Germany, and Paris, France, an eminent violinist and composer, favorably known in this country and Europe, unsolicited gave his very flattering testimonial to the originator of the Gypsy method for stringed instruments. The Gypsy method is entirely different from all other so-called "easy" methods in this, that the pupil gradually and with little effort is led to where a conservatory education may be taken up. This method must be seen to be appreciated. It has been on the market for a number of years and remains today the peer of all instructors. If you would like to learn to play a violin and lack the "necessaries" for a course in a European Conservatory, send for the Gypsy Self-Instructor for the Violin. Don't delay but send at once.

No. 1208. How to Play Violin.....25c

HOW TO LEARN TO PLAY MANDOLIN

The unparalleled success of the Gypsy method for the Guitar induced the originator to apply this method to other stringed instruments, among them the Mandolin. Many who have felt discouraged and have given up the study of this dearly favorite instrument on account of the difficulty of mastering the ordinary notes and musical measure will find the Gypsy Method for the Mandolin a boon to lovers of music. TIME—so essential to the proper execution of melody—is in this method taught as thoroughly as in any musical conservatory. In fact, professors who have failed to impart to some of their pupils a proper knowledge of the value of notes have made use of the Gypsy method for this very purpose. If you are a teacher you will want a Gypsy method for "dull" scholars. If you want to "pick it up yourself" at a small expense and little worry you will need a Gypsy Mandolin Instructor.

No. 1206. How to Play Mandolin.....25c

CARTER'S MAGIC AND MAGICIANS

There is no use denying, but the girl or boy, man or woman, who can do a few simple card tricks is the "belle of the walk" in any sort of social gathering. They are as popular as the fellow with the interesting story you have been eating ice-cream on a hot summer night. The girls just flock around the card-trick boy chick as flies on a squashed tomato in the sun. The tricks are so clearly explained and illustrated it takes but a very little while to get proficient in the art. All the new card tricks and sleight-of-hand mockery-doodle business.

No. 1172. Carter's Magic, price.....35c

THE DAY AND NIGHT

Terrestrial and Astronomical Telescope

A Remarkably Powerful Telescope, With Magnifying Power of 25 Diameters, With Astronmical Eyepiece of 50 Diameters, for Land, Sea and Sky.

Entirely Made of Lacquered Brass, Fitted With Horizontally and Vertically Articulated Swivel, Attached to Black Hardened Wood Tripod.

COMPLETE WITH WOODEN CASE WITH GRIP.

Only
$29.95
Delivered Anywhere

The Terrestrial and Astronomical Telescope is fitted with two sliding sections. The smaller or first section carries the eye-piece used for terrestrial observation; its magnifying power is **25 DIAMETERS,** which brings objects to 1-25th of the actual distance. In other words the telescope enables you to see a person 25 miles away as at one mile.

An eye-piece for astronomical observations, fitted with a smoked glass used for solar observations, takes the place of the terrestrial eye-piece when it is desired to study the heavens. This astronomical eye-piece has a magnifying power of **50 DIAMETERS.** The large end of the telescope is provided with an achromatic object glass having a diameter of 1.11/16 in.

This Telescope is specially recommended to anyone desiring to undertake astronomical studies, as it permits on account of its high quality and high power, to make a great number of interesting observations such as studying the sun spots and all the particular features of the moon as well as its geography, its craters, its seas and its mountains: with it Jupiter and its satellites, Saturn and its rings and also the phases of Venus can be easily distinguished. This instrument permits of getting a perfectly clear view of two stars as close to each other as 2 seconds, of nebulas such as Orion and Andremeda and of stars of eighth magnitude, of clusters such as Hercules, Perseus, the Pleiades, the Milky Way, etc. In fact, notwithstanding its exceedingly low price, this Telescope provides an unending means of entertainment and interesting studies.

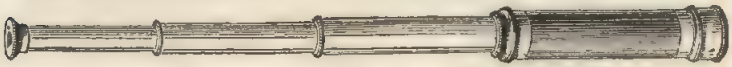
No. 9114—Terrestrial and Astronomical Telescope. Price, postpaid..... $29.95

FIRST TRAMP—I belong to the Army of the Lord.
SECOND TRAMP—Yes: but you are a long way from headquarters.

ACHROMATIC POCKET TELESCOPE

CHEAPEST 3 DRAWER BRASS TELESCOPE ON MARKET

AN IDEAL TELESCOPE — TAKES UP LITTLE ROOM



Positively the finest **Pocket Telescope** on the market. It is made in France by a very large manufacturer of high grade Optical Appliances. It is fitted with **seven lenses** of high quality and power, rendering objects many miles away to be seen with clearness. When fully extended it measures almost fifteen inches long, and a little over five inches when closed. A feature which distinguishes this, as with all of the Brass Telescopes that we catalog, is its beautiful finish, the drawers and fittings being entirely of brass, exquisitely burnished and polished, with leather covered body, giving it an appearance of richness that shows it at once to be a superior glass. A brass cap at one end and special slide on the other exclude the dust when the instrument is not in use. Complete in neat cloth covered case.

No. 9111. Achromatic Pocket Telescope, postpaid $4.95

RIFLE RANGE POCKET TELESCOPE

One Drawer Telescope With Shoulder Strap

Although this Telescope has but one drawer, its efficiency is not diminished. It is very popular with riflemen, sportsmen, hunters and others. As there is but one drawer it takes but a second or two to get the focus, that is an important consideration when you are out hunting. It is made entirely of brass with leather covered body, brass slides and cap to exclude dust, and has a special Shoulder Strap, as illustrated. When open it measures a little under a foot long, and about eight inches closed.

No. 9112. Rifle Range Pocket Telescope, postpaid $4.95

"NAVAL" HIGH POWER TELESCOPE

An Extremely Powerful Six Drawer Telescope

This is an exceptionally long and powerful Telescope. It has no less than **six brass drawers,** that are exquisitely polished and burnished. Although it measures almost **two feet** when fully extended, it closes up to a compact length of just a little over **six inches,** so that it can be carried in the pocket, which makes it indispensable to tourists, automobilists, sportsmen and excursionists generally. It has **five achromatic lenses** of exceedingly high quality and power, giving a wonderfully clear definition of objects seen long distances away. The diameter of the objective lens is no less than **one and a half inches.** The objective is furnished with an adjustable sliding **sun shade,** as a protection against the glare of the sun and other high lights. The sections can be easily removed and replaced at any time, to permit polishing and cleaning of the lenses, though the special brass cap and slide at both ends very effectively exclude the dust. The Leather covered body, superior finish, and thorough workmanship throughout distinguish this glass, which comes complete in handsome cloth covered case.

No. 9113. "Naval" High Power Telescope, postpaid $12.50

SCHOOLMARM—Antonio, you inherited your laziness from your father?"
ANTONIO—No, deeda; heem gotta eet yeta.

Diamond Pendant-Brooches

Pendant can be converted into a beautiful brooch, movable pendant attachment concealed

201—1 Fine White Diamond, 4 Synthetic Sapphires 14k and Platinum, combination pendant brooch, complete with slide and silk cord
$45.00

202—1 Fine White Diamond, 14k and Platinum, combination pendant brooch complete with slide and silk cord
$60.00

203—1 Fine White Diamond 14k and Platinum, combination pendant brooch complete with slide and silk cord
$100.00

204—1 Fine White Diamonds 4 Synthetic Sapphires 14k and Platinum, combination pendant brooch complete with slide and silk cord
$ 40.00

205—3 Fine White Diamonds 1 Genuine Sapphire 14k and Platinum combination pendant brooch, complete with slide and silk cord
$155.00

206—1 Fine White Diamonds 14k and Platinum combination pendant brooch complete with slide and silk cord
$2 0.00

207—3 Fine White Diamonds 14k and Platinum combination pendant brooch complete with slide and silk cord
$165.00

208—3 Fine White Diamonds 14k and Platinum, combination pendant brooch complete with slide and silk cord,
$260.00

209—1 Fine White Diamond 14k and Platinum combination pendant brooch complete with slide and silk cord
$180.00

210—3 Fine White Diamonds 1 Genuine Sapphires 14k and Platinum combination pendant brooch complete with slide and silk cord,
$250.00

211—1 Fine White Diamond mounted in Genuine Onyx 14k and Platinum combination pendant brooch complete with slide and silk cord
$70.00

Diamond Brooches & Sautoir-Pins

261—1 Fine White Diamond 18k and Platinum, delicately pierced design. Pendant Attachment $115.00

262—3 Fine White Diamonds 18k and Platinum, delicately pierced design. Pendant Attachment $215.00

263—3 Fine White Diamonds 18k and Platinum, delicately pierced design. Pendant Attachment $175.00

Platinum Finish, $4.50
Gold Finish, $5.00

Eagle Turned Platinum Finish, $6.50
Gold Finish, $7.50

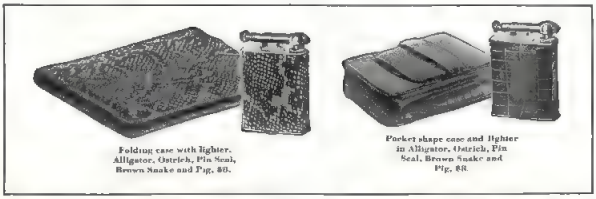
Black Seal, $5.00
Red or Green

Alligator, $8.00

Ostrich, $5.00

Pebble, $5.00
Brown and Grey

Tweed, $5.00



Folding case with lighter. Alligator, Ostrich, Pin Seal, Brown Snake and Pig, $10.

Pocket shape case and lighter in Alligator, Ostrich, Pin Seal, Brown Snake and Pig, $8.

Black Lizard, $5.00

Rib Calf, $5.00
Purple or Blue

Pigskin, $5.00

Snake, $5.00

Signet, 6.50

A sure-working fast-selling lighter

The Firefly Lighter opens up the big popular market for a lighter that sells around $5.00. This lighter has every patented feature of the more expensive Clark Lighters including the permanently covered wheel. The Firefly is nationally advertised and is backed by a strong aggressive merchandising plan.

Prices quoted on this page are suggested retail prices and are not subject to full Keystone discount.

World Famous CYMA WATCHES

On time all the Time

MAGNIFIED VIEW
OF CYMA MOVEMENT

CY 990—CYMA, 12 ligne, 6 jewels, nickel chromium finish case, detachable lugs and buckle, radium numerals $12.50

CY 991 CYMA, 12 ligne, 6 jewels, nickel chromium finish engraved case, detachable lugs and buckle, radium numerals $15.00

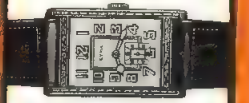
CY 992 CYMA, 10½ ligne, 6 jewels, nickel chromium finish engraved case, detachable lugs and buckle radium numerals $15.00

CY 993—CYMA, 10½ ligne, 6 jewels, nickel chromium finish engraved case, detachable lugs and buckle, radium numerals $15.00

CY 994—CYMA, 10½ ligne, 6 jewels, nickel chromium finish engraved case, detachable lugs and buckle, radium numerals $15.00

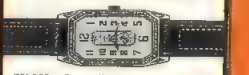
CY 995—CYMA, 10½ ligne, 6 jewels, nickel chromium finish engraved case, detachable lugs and buckle, radium numerals $15.00

CY 996—CYMA, 10½ ligne, 6 jewels, nickel chromium finish case, detachable lugs and buckle, radium numerals $17.50



CY 997 CYMA, 10½ ligne, 6 jewels, white R. P. chromium finish engraved case, detachable lugs and buckle, radium numerals $17.50

CY 998 CYMA, 8 ligne 6 jewels, Star Sceptre quality, white or green case, detachable lugs and buckle, radium numerals $17.50



CY 999—CYMA, 6½ ligne, 6 jewels, white R. P. chromium finish engraved case, detachable lugs and buckle with raised numerals..... $20.00

STRENGTH AND TIME IS BUILT INTO A CYMA STRAP WATCH. The strap watch is convenient. It is a handsome article of dress but the most important item of all must not be overlooked.

In this type of watch you need strength in construction and accuracy in timekeeping. Don't take it for granted that because a watch is small—you cannot catch trains with it by relying on its accuracy.

The Cyma has been manufactured in large and small sizes for years back.

Today you get the benefit of that manufacturing experience.

The smaller Cyma movements have always compared favorably with larger watches in performance.

All watches illustrated seven-eighths actual size.

THIS ATTRACTIVE DISPLAY BOX FURNISHED WITH EACH WATCH

World Famous CYMA WATCHES

On time all the Time

CY 970—Cyma, 6/0 size, 15 jewels, Star Sceptre quality, white or green case, detachable lugs and buckle, radium numerals **$28.50**

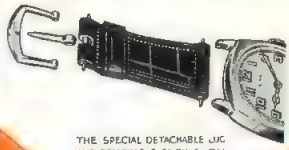
CY 971—Cyma, 6/0 size, 15 jewels, Star Stellar quality, white or green case, detachable lugs and buckle, radium numerals **$30.00**

CY 972—Cyma, 10½ ligne, 15 jewels, white R. P. chromium special link case, detachable lugs and buckle, radium numerals **$30.00**

CY 973—Cyma, 10½ ligne, 15 jewels, Stellar quality, white or green case, detachable lugs and buckle, radium numerals **$32.00**

CY 974—Cyma, 10½ ligne, 15 jewels, Stellar quality, white or green engraved case, detachable lugs and buckle, radium numerals. **$33.00**

CY 975—Cyma, 6/0 size, 15 jewels, Stellar quality, white or green engraved case, detachable lugs and buckle, radium numerals **$33.00**



THE SPECIAL DETACHABLE LUG AND REMOVABLE BUCKLE ON THE CYMA STRAP WATCH

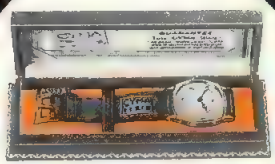
AN ORDINARY WATCH IS "JUST A WATCH"—but the Cyma Watch is a magnificent timepiece which has covered itself with glory.

Fine words do not make fine watches. It's the watchmaker's opinion that counts because he knows what his glass tells him.

The Cyma has earned the praise of watch historians, watch designers, watch constructors, watch merchandisers and servicers because they have seen the Cyma perform honestly and faithfully for years—from the nineteenth century on.

Every man, anywhere in this world, whose livelihood depends on the sale of watches—be he behind the bench or behind the counter, knows that countless thousands of Cymas have been sold and he knows why a Cyma owner always buys a Cyma for friends or relatives.

All watches illustrated seven-eighths actual size.



THIS ATTRACTIVE DISPLAY BOX FURNISHED WITH EACH WATCH

CY 976—Cyma, 6½ ligne, 15 jewels, Stellar quality, white or green case, detachable lugs and buckle, radium numerals **$35.00**

CY 977—Cyma, 6½ ligne, 15 jewels, Stellar quality, white or green engraved case, detachable lugs and buckle, radium numerals. **$36.00**

CY 978—Cyma, 10/0 size, 15 jewels, Stellar quality, white or green case, detachable lugs and buckle, radium numerals **$37.50**

CY 979—Cyma, 10/0 size, 15 jewels, Stellar quality, white or green engraved case, detachable lugs and buckle, radium numerals **$38.50**

CY 980—Cyma, 10½ ligne, 15 jewels, white R. P. chromium finish, enamel bezel, special link case, detachable lugs and buckle **$40.00**

CY 981—Cyma, 6½ ligne, 15 jewels, white R. P. chromium finish, engraved case, gilt raised numerals, detachable lugs and buckle **$28.50**

AIR RIFLES

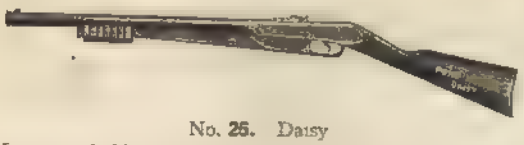
No. **40.** The New Military Daisy

This rifle is a 50-shot repeater, lever action (patented). All metal parts are finished in gun blue. Beautiful walnut finished stock. The rear sights are open and adjustable, the front sight is of the knife type. Length, 45 inches, including bayonet. Weight, 3¾ pounds. Each in a substantial box.

Per Dozen List..... $88.00

Per Dozen .....

Half Dozen in a Box



No. **25.** Daisy

Magazine holds 25 shots. Operates by pulling the slide towards the stock. Fires rapidly from the shoulder, the magazine having a forced feed. Metal parts are in gun blue, stock, genuine black walnut, handpolished. Adjustable sights front and rear. Length, 38 inches; weight, 3¼ pounds.

Per Dozen List..... $88 00

Per Dozen.....

Half Dozen in a Box

No. **3.** 1000 Shot Daisy

Magazine Repeater, lever action. Magazine holds 1000 air rifle shot and loads by operating the lever. Turned stock of genuine black walnut, highly polished. Metal parts beautifully nickel plated. Shoots with great force and accuracy. Length, 36 inches. Weight, 2 pounds 9 ounces.

Per Dozen List..... $52.80

Per Dozen.....

Half Dozen in a Box

No. **30.** 500 Shot Daisy

Automatic repeater, lever action air rifle. Same construction and finish as the 1000 shot Daisy, but the barrel is 3 inches shorter and the magazine holds 500 air rifle shot. Length, 33 inches; weight, 2 pounds 7 ounces.

Per Dozen List..... $44 00

Per Dozen.....

Half Dozen in a Box

No. **11.** Daisy Repeater

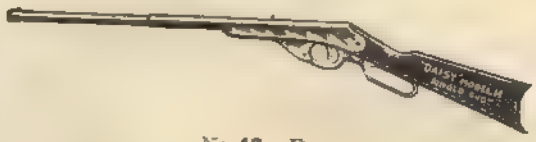
Automatic repeater, lever action air rifle. Magazine holds 500 shots. Single-piece steel barrel, nickel plated; stock of genuine black walnut. Length, 31½ inches; weight, 1 pound 12 ounces.

Per Dozen List..... $35.20

Per Dozen .....

One Dozen in a Box

AIR RIFLES



No. **12.** Daisy

Lever action, single shot rifle. In finish and appearance it is the same as the No. **11.** Shooting barrel removable and shoots either air rifle shot or 17-100 darts. Length, 31½ inches; weight, 1 pound 12 ounces.

Per Dozen List..... $26 40

Per Dozen.....

One Dozen in a Box

No. **20.** Little Daisy Single-Shot Air Rifle

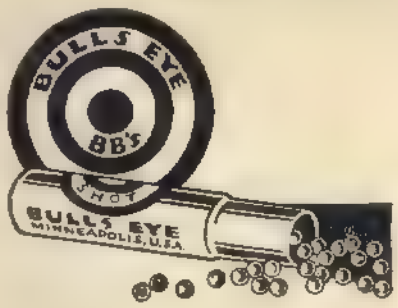
Made of steel, handsomely nickel plated and fitted with black walnut stock. Length, 29 inches; weight, 18 ounces.

Per Dozen List..... $15 84

Per Dozen .....

One Dozen in a Box

SHOT



For Air Rifles, Steel 100 Shot in a Tube

Per Case List..... $3.25

Per Case.....

100 Tubes in a Case

SOAP SHAKERS

Retinned Wire

	Light	Heavy
Nos	835	836
Length, Inches.....	9¾	10½
Per Dozen List	$2 53	$3 52

Per Dozen.....

One Dozen in a Box

Day-Go Bombs

EXTRA LOUD REPORT

Place the Bomb firmly on the ground—light fuse, retire to a safe distance and watch the result. The contents of the bomb are shot away up, exploding up in the air with a terrific bang. Fine for Exhibitions or Private Celebrations. Each Bomb complete in mortar ready for firing. Cannot be sent by parcel post. Shipment made only by express, and, as with all our fireworks novelties, the amount of the express charges can be deducted from your next order if you send us the express receipt for the shipment.

No. 6514. DAY-GO BOMBS. PRICE EACH..... 15c

OR THREE FOR 40 CENTS, OR $1.35 PER DOZEN.

COLORED FIRE

We will sell only the large 10 cent boxes of Colored Fire, which contain three times the quantity of the five cent packages. This colored Fire burns longer, has a better color and a most powerful illuminating effect. State whether red or green required. Not mailable. Shipped only by express.

NO. 6503 RED COLORED FIRE....10c

NO. 6504 GREEN COLORED FIRE..10c

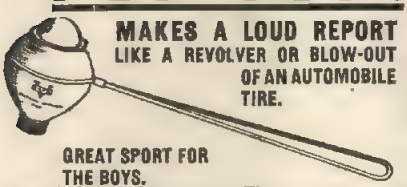
Red, White and Blue Colored Fire

This is a special Colored Fire, which burns red, white and blue consecutively. Very popular for both public and private celebrations. Large boxes, 15 cents each, shipped only by Express.

NO. 6505 RED, WHITE AND BLUE COLORED FIRE. 15c

OR 3 BOXES FOR 40c, OR $1.35 PER DOZEN

POP-TOP!



MAKES A LOUD REPORT LIKE A REVOLVER OR BLOW-OUT OF AN AUTOMOBILE TIRE.

GREAT SPORT FOR THE BOYS.

A UNIQUE NOISE MAKING NOVELTY

Put a "Special" single shot cap in the chamber at the bottom of the POP-TOP, re-insert the rubber plug and give a gentle tap. The result is a deafening report that will almost wake the dead, and the soft rubber ball, which cannot harm anything, is sent high up into the air. For best results, use our "Special Super-Mammoth (Extra Loud" Single Shot caps. They are square cut, come 60 in a box, and guaranteed to give an extra loud report. As with our other fireworks novelties, explosives, etc., shipment can be made only by express. Allowance for the express charges in full will be made on any subsequent order if you send us express receipt for the shipment.

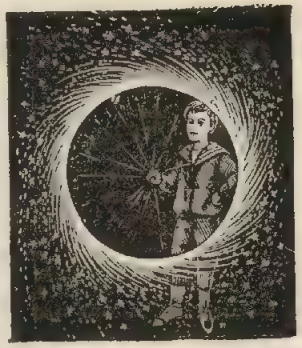
NO. 6253 POP-TOP. PRICE..... 15c

NO. 6252 BOX OF SPECIAL CAPS 10c

THREE BOXES OF CAPS FOR 25 CENTS, TWELVE BOXES FOR 75 CENTS.

WONDERFUL MAGNESIUM WIRE

OR INDOOR SUNLIGHT



We have put up this new novelty in a suitable form for Parlor Use. It is perfectly harmless and safe to use, as it is made to hold in the hand when lighted. When lit it burns with almost unbelievable brightness, and gives a **dazzling, bright, white light** of from three to five thousand candlepower that is many times more powerful than an Electric Arc Light. Its use by the armies in the great war rendered No Man's Land as bright as day. When whirled around as shown in the illustration, it has a most pleasing effect, throwing off myriads of bright, scintillating but harmless sparks, with such intense brilliancy as to literally rival the sun in its pure white light.

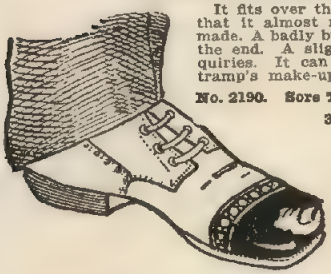
It can also be used for taking Indoor Photographs, as it is much more practical and safer than Flash Powder, being practically without smoke or smell, and the exposure can be timed to any length, thus giving greater detail and removing that flat look, so common with flashlight exposures.

Comes packed 10 Lights to a bundle, and the price per Bundle of 10 Lights is only 15 cents, sent by prepaid parcel post.

No. 6210A. Magnesium Wire, Price per bundle .....15 cents
3 Bundles for 40 cents, or 12 Bundles for $1.35, by mail, postpaid anywhere.

THE SORE TOE

A MOST EFFECTIVE DECEPTION



It fits over the toe of your shoe. It looks so PAINFUL that it almost makes one shudder. It is well and nicely made. A badly bruised and inflamed big toe projects through the end. A slight limp will elicit many sympathizing inquiries. It can also be used as the finishing touch to a tramp's make-up.

No. 2190. Sore Toe. Price postpaid .....15 cents
3 for 40 cents, $1.35 per doz.

SKELETON PIN

A very novel pin that is sure to be popular with our customers. An exact reproduction of a human skeleton with spiral wire legs and arms that quiver with every movement. It is not a very pretty object to look at, but it will certainly arouse plenty of attention when ever it is worn.

No. 2162. Skeleton Pin, Price 15c
3 for 40 cents, $1.35 per dozen.

"Did you meet any nice men while you were away?" "Yes, mother, lots of them." "Lot of them! There aren't that many in the world."

Electric Alarm Clock and Bank

Continuous; Will Ring Until You Get Up And Stop It

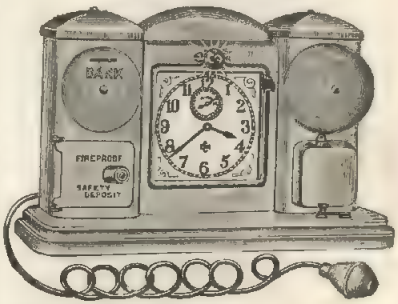
THE ONLY CLOCK OF ITS KIND MADE

SAVINGS BANK :: JEWELRY SAFE DEPOSIT

By pressing button, Lamp will light or can be used as Call Bell

The Electric Alarm Clock is operated by an ordinary No. 6 Dry Battery, and there is absolutely no danger connected with its use. The battery will serve its purpose for a couple of years and can then be replaced at a very slight expense, as the batteries are to be had in every hamlet in the country. It lights up the Dial of the Clock at any time of the night. The Electric Alarm is continuous—it will ring until you get up and stop it. The cord and push button attached to the clock may be hung over the top of the bed or placed under the pillow, and all you have to do is to touch the button, which instantly illuminates, not only the dial of the clock, but the entire room. This convenience is appreciated in actual use to such an extent that you would not part with it at any price. By merely reversing tip at end of lamp cord, on back of clock, you can use the lamp or bell as desired. As a call bell in sick room, office, shop or home, it is always ready and at hand. To use the alarm, set the indicator on alarm dial at the desired time. Place the switch which is under the bell on contact point. At the time indicated, the bell will ring until you get up and throw off the switch. A Savings Bank and Safety Deposit occupy a part of the metal frame. The bank is for coins and paper money and is above and separate from the Jewel Deposit Safe. The safe can be opened only by those familiar with the combination of the lock, which is substantially made. The Electric Alarm Clock is made of steel, fully nickel plated. It combines the perfect mechanism of the best Guaranteed Time-Keeper with the very latest electrical attachments. Every clock is guaranteed perfect and the movement will last ten to twenty years.

Lights up the Dial of the Clock at any time of the night



Invaluable aid whenever Call Bell is needed

PRICE ONLY $10.00

Price only $10.00, shipped by express, or by parcel post if you add postage. Shipping weight, 10 lbs. Ask postmaster how much to send for postage. Outside U. S. A. add $1.20 for postage.

No. 9132. ELECTRIC ALARM CLOCK AND BANK. Price.....$10.00

THE "GRAND" MUSICAL CLOCK

This Clock is a Music Box and Alarm Clock combined, and a Rattling-Good-Timekeeper too.

PLAYS TWO TUNES FOR ABOUT TEN MINUTES

VERY ELEGANT APPEARANCE

The "Grand" Musical Clock is one of the prettiest and most Novel Clocks procurable. We positively guarantee every one for twelve months to be perfectly reliable and to keep accurate time. It has a very solid and handsome appearance, and, being made of Nickel Silver, with Brass Front, it does not discolor and always looks nice and bright. Instead of being awakened (and, incidentally, the whole houseful) by a noisy Alarm Gong, you are effectually called out of your slumber by the sweet strains of "Blue Bells of Scotland," "Last Rose of Summer," "Sweet Marie," "Home Sweet Home," or any other such like tunes, each clock playing two airs and playing several minutes, or you can set the Music going at any time you like. The tunes are very pretty indeed. If you get this clock you can have music at your mealtime, you can always entertain your visitors; it will tell you the correct time; it will call you when required; it will amuse you whenever you feel inclined, and you need never feel lonely. Nearly everyone who has purchased one has written us specially to say how pleased they were.

Simply Delighted!

"I must say I am simply delighted with your wonderful clock. I have never seen anything to equal it anywhere.—**T. J. McMahon.**

Never Seen Its Equal.

"I want you to forward me three more of your Musical Clocks. I may tell you that friends and myself are very much pleased with these Novel Clocks. I must say for its quality and price **I have not seen its equal.**"—**Dr. A. Carter.**

Ten Times Better Than I Expected.

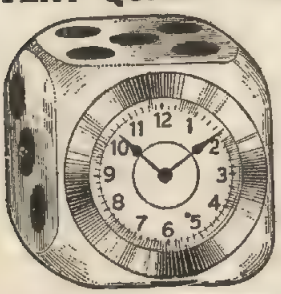
"When I wrote for your clock I felt sure I was getting something good, but now that I have received it and had it in use, I must say it is ten times better than I ever expected. I enclose the money for six more for friends."—**Prof. Armstrong.**

Wouldn't Part With It for Fifty Dollars.

"I got your Musical Clock on the recommendation of a friend, who, strangely enough, also procured his through seeing one at his neighbours. I am pleased with it. It keeps splendid time. I wouldn't part with it for fifty dollars."—**A. G. Johnston.**

No. 9135. Grand Musical Clock, Price Postpaid..... $7.50

VERY QUAINT AND PRETTY DICE CLOCK



A Reliable Time Keeper. An Ornament To Any Room

Makes An Elegant and Unique Present

This is something quite different from ordinary clocks. It is made in imitation of a large dice, measuring 2¼ inches square. It has a high grade movement and can be thoroughly depended upon as a **Correct Timekeeper.** As useful ornament for parlor, den, or office it can scarecly be excelled. Makes a pretty little gift that is sure to be highly appreciated.

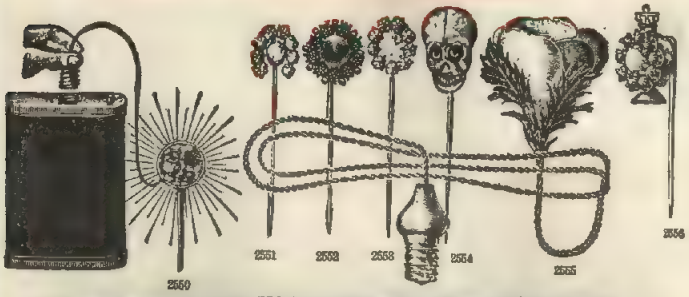
No. 9134 Dice Clock ..... Price $2.95

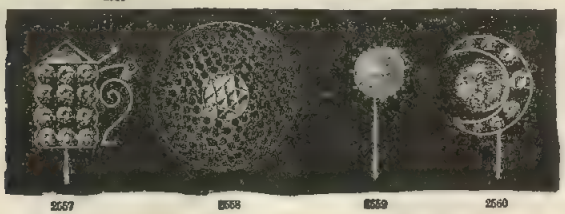
ELECTRIC SCARF PINS

A SENSATIONAL NOVELTY

Flashing Gems, Sparkling Jewels, Weird, Mystical And Startling Effects

PRETTY AND CHARMING ADORNMENTS





When wearing one of these you become the "observed of all observers," the "cynosure of wondering eyes," the admiration of the ladies and the envy of the men. As shown in the illustration, the pin is connected by a double insulated wire with the flashlight, that you carry in your pocket. By merely pressing the button, the Scarf Pin bursts into dazzling effulgence that attracts **INSTANT ATTENTION.** The effect is startling and beautiful. The darker the night the more brilliant the illumination appears. The pins and flowers may be worn without being illuminated, and they are very attractive.

The illustrations will, we think, sufficiently explain the settings of the various pins without detailed descriptions being necessary. There are numerous designs to suit all tastes, including Skull, Moon Face, Flower, Auto Lamp, Horse Shoe with Pearl Center surrounded with Imitation Diamonds, Single Pearl Stone, Pearl with Crescent, Spider, and others with assorted Colored Stones, some of which are **RADIANTLY BEAUTIFUL.**

Please note that the price is for the **PINS ONLY, WITHOUT THE FLASHLIGHT.** Many customers have their own Flashlights, so we list the Pins and the Flashlights separately. If you want both, please be sure to order accordingly. Please order by Number, stating whether we may substitute in the event of the selection made being temporarily out of stock.

Electric Scarf Pins (order your selection), without Flashlight, Price 50 cents each.

Flashlight for using with Scarf Pins (Catalog No. 2572), Price 59 cents each.

DOLLY—"Are you in favor of clubs for women, Mr. Crusteigh?"
MR. CRUSTEIGH: "Certainly. Clubs, sandbags, or any weapon that comes handy."

ASTOUNDINGLY BRILLIANT

Electric Masks, Hats, Noses, Etc.

The Greatest Fun-Producing Novelties of the Age

VERY EFFECTIVE FOR AMATEUR THEATRICALS, ETC.

NOVEL TRANSFORMATIONS

Your Choice $1.00 each

Attachable to Any Flashlight

No. 2571

Many of our customers who have obtained Electric Scarf Pins as illustrated on the previous page from us in the past will be eager to avail themselves of the opportunity to procure some of these latest additions to our stock. Each article comes complete with long insulated cord and socket, and you have merely to take out the little bulb at present in any flashlight, screw in the socket in its place, and the Mask, Eye Glass, Hat, Nose, Ear, Finger or Cheeks, as the case may be, are **brilliantly illuminated.** The effect is astounding; the transformation in your make up is astoundingly complete and truly sensational. It makes no difference how dark it is In fact the darker it is the better the effect. Even your best friends will fail to recognize you, so weird and mystical is the effect.

No. 2565

No. 2566

No. 2567

No. 2568

No. 2569

No. 2570

As Make Up Disguises, they are even better than similar articles for the purpose, for you can use them with or without the illumination. You can imagine what the effect would be wearing one of these Disguises in a dark street and suddenly turning on the light by pressing the button of the flashlight concealed in your pocket. It's enough to make even the ghosts flee.

No. **2571** is a well made **Clown Hat,** with illumination at the top of the hat. No. **2565** represents a very **Comical Face** with large nose. No. **2566** is an illuminated **Eye Glass** of very quaint design. Nos. **2567** and **2568** are large **Nose** and **Ear** that stay on without any fixing. No. **2569** very long **Grotesque Finger.** No. **2570 False Mustache** with **Mammoth Cheeks.** The Masks and Disguises are made of the best quality **waxed cloth,** exactly resembling the human skin, sufficiently translucent to permit brilliant illumination.

Price of any article illustrated on this page, without Flashlight, is **$1.00 postpaid. (Order by Number.)**

Flashlight for using with same (Catalog No. **2572**) **59 cents extra.**

EVANS

E1600—Pony Pocket Lighter, hammered design. $3.00 ea.

E1604—Automatic Pocket Lighter, hammered design. $6.00 ea.

E1605—Automatic Pocket Lighter, hammered engine turned design $6.75 ea.

E1601—Pony Pocket Lighter, genuine ostrich covered. $4.50 ea.

E1602—Standard Pocket Lighter, hammered design. $3.75 ea.

E1606—Automatic Pocket Lighter, genuine hand engine turned design. $7.50 ea.

E1607 Automatic Pocket Lighter, genuine hand engine turned design. $7.50 ea.

E1603—Standard Pocket Lighter, genuine leather covered..... $4.50 ea.

E1608 Automatic Pocket Lighter, genuine leather covered, Hudson Seal. $7.50 ea.

E1609—Automatic Pocket Lighter, genuine Viennese enamel front in Lucky Elephant design.....$12.00 ea.

E1610—Automatic Pocket Lighter, genuine Viennese enamel front.....$12.00 ea.

E1611—Automatic Pocket Lighter, genuine ostrich covered $7.50 ea.

E1612—Combination Paper Weight and Automatic Desk Lighter $6.00 ea.

E1613—Automatic Desk Lighter or Table Lighter in contrasting lacquer and green gold finish ..... $9.00 ea.

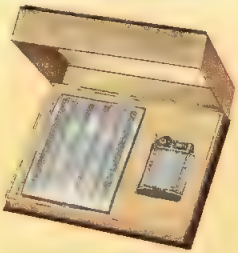
E1614—Combination Paper Weight and Automatic Desk Lighter, genuine leather covered, Hudson Seal..... $7.50 ea.

Illustrations Four-fifths Size.

The LINE with the STERLING TOUCH

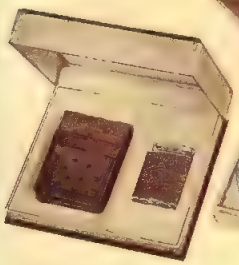
EVANS

E1615—Gold lined Men's Cigarette Case in genuine hand engine turned design with automatic Pocket Lighter to match in attractive gift box . . . . . $15.00 ea.

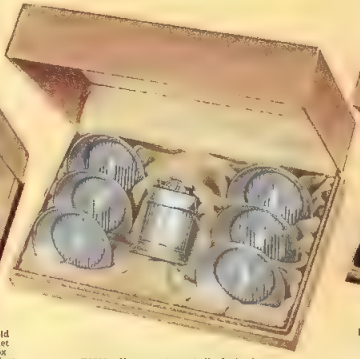


E1616—Gold lined Men's Cigarette Case in engine turned brocade design with Pony Pocket Lighter to match in attractive gift box $7.00 ea.

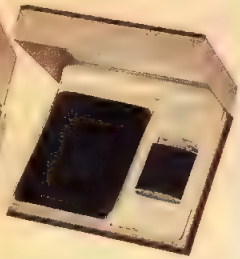
E1617—Gold lined Men's Cigarette Case, hammered design, with Automatic Pocket Lighter to match in attractive gift box. $9.00 ea.



E1618—Genuine ostrich cigarette case to hold twenty package with Automatic Pocket Lighter to match in attractive gift box $14.25 ea.



E1622—Hostess set, six individual ash trays with Automatic Tube Lighter in genuine hand engine turned design in attractive gift box . . . . . $21.00 ea.



E1619—Genuine leather Cigarette Case to hold twenty cigarettes with Automatic Pocket Lighter to match, in attractive Gift box . . . . . $10.50 ea.

E1620—Gold lined Men's Cigarette Case in genuine hand engine turned brocade design with Automatic Pocket Lighter to match in attractive gift box. $16.50 ea.

E1623—Smoker's set with tray, cigarette humidor, Automatic Table Lighter and six individual ash trays, leather covered in Hudson Seal, green gold finish $40.50 set

E1621—Gold lined Men's Cigarette Case in genuine hand engine turned design with Automatic Pocket Lighter to match in attractive gift box . . . . . $16.50 ea.

Illustrations Two-thirds Size.

The LINE with the STERLING TOUCH

D-2281—$1,260.00

One rectangular shaped diamond, 4 triangular shaped diamonds and 50 other fine blue-white diamonds contained in ultra fine hand made mounting of 10% iridium quality platinum. Beautifully pierced, set and milgrained

D-2282—$1,260.00

One fine center Marquise shaped diamond set in center ornament of black onyx, 4 square diamonds and 24 other fine blue-white diamonds contained in ultra fine platinum mounting of 10% iridium quality. Hand made. Finely pierced, set and milgrained

D-2283—$1,275.00

A new French pattern containing 4 Baguette shaped diamonds forming flower bowl, also one Marquise shaped and one triangular shaped diamond with 42 other fine blue-white diamonds contained in ultra fine mounting of 10% iridium quality platinum. Hand made. Finely pierced, set and milgrained

D-2284—$1,050.00

Attractive new circle containing 50 fine blue-white diamonds. Mounting finely made of 10% iridium quality platinum. Hand made. Handsomely set and milgrained

D-2285—$900.00

One Marquise shaped center diamond and 30 other fine blue-white diamonds contained in attractive new oval circle pin. Mounting of 10% iridium quality platinum. Hand made. Daintily set and milgrained.

D-2286—$1,150.00

Another new Parisienne creation of flower design. Two Keystone shaped diamonds and one Baguette shape, forming a bowl of flowers. Also four other square cut diamonds, 29 other fine blue-white diamonds. Mounting of ultra fine design and 10% iridium quality. Daintily pierced and milgrained

D-2287—$970.00

Sixty-seven fine blue-white diamonds contained in iridium quality platinum mounting. Top and bottom rows of synthetic sapphires. Hand made. Pierced and engraved. Pendant attachment. Can be used as brooch or pendant.

D-2288—$750.00

Twenty-nine fine blue-white diamonds contained in iridium quality platinum mounting. Hand made. Handsomely pierced and milgrained. Pendant attachment. Can be used as brooch or pendant

D-2289—$1,670.00

Three emerald cut diamonds and 58 other fine blue-white diamonds contained in ultra fine mounting of 10% iridium quality platinum. Triangular shaped genuine emerald opposite center square diamond. Hand made. Beautifully set and milgrained. Pendant attachment. Can be used as brooch or pendant.

D-2290—$1,100.00

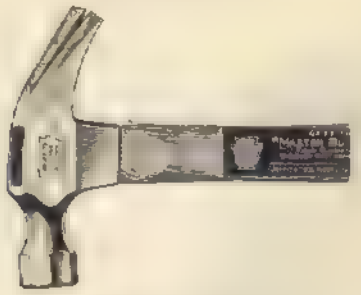
Two fine Marquise shaped diamonds and 69 other fine blue-white diamonds contained in fine platinum mounting of iridium quality. Hand made. Handsomely pierced and milgrained. Pendant attachment. Can be used as brooch or pendant.

D-2291—$590.00

A popular priced brooch of iridium quality containing 21 blue-white diamonds. Also 2 synthetic sapphires. Hand made. Daintily pierced and milgrained

(Cuts shown on this page are exact reproductions, photographed directly from the goods.)

HAMMERS

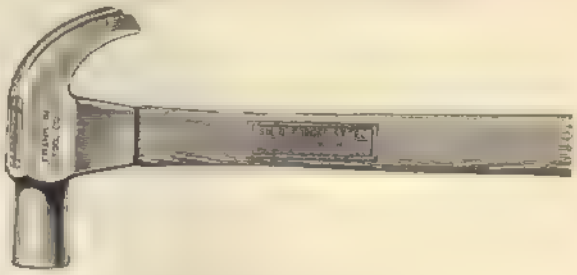


Ripping or Straight Claw

No.	Size	Weight	Per Doz. List	Per Doz.
946	1½	1 lb. 0 oz.	$34.65	

Half Dozen in a Box

ADZE EYE NAIL HAMMERS

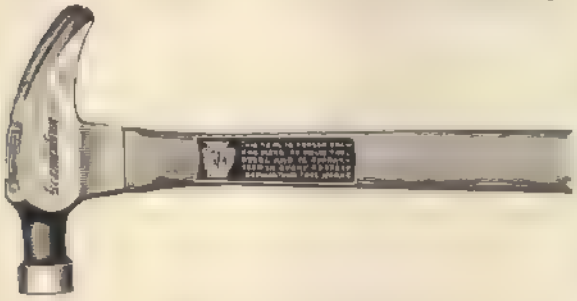


Solid Steel, Not Warranted
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
47	1¼	1 lb.	$19.25	

Half Dozen in a Box

ADZE EYE BELL FACE RIPPER HAMMERS



Warranted Solid Tool Steel
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
932	1½	1 lb. 0 oz.	$26.07	.....

Half Dozen in a Box

HAMMERS

Clipper Brand

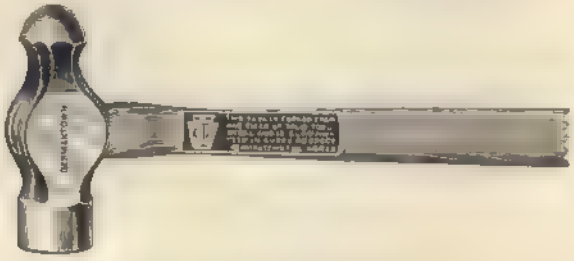
These hammers are made from a special grade of steel casting carefully heat treated, with good handle proportions, well balanced and are a strong, serviceable hammer. Practically unbreakable

No.	11½
Size	2
Per Dozen List	$11.00

Per Dozen..... .....

Half Dozen in a Box

MACHINISTS' BALL PEIN HAMMERS

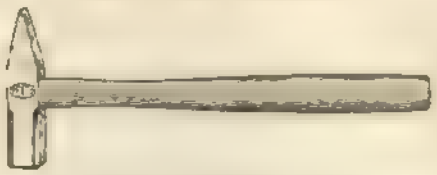


Warranted Solid Tool Steel
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
156	5-0	0 lb. 4 oz.	$17.18	
157	4-0	0 lb. 6 oz.	17.18	
158	3-0	0 lb. 8 oz.	17.18	
159	2-0	0 lb. 12 oz.	17.18	
160	0	1 lb. 0 oz.	17.88	
161	1	1 lb. 4 oz.	19.34	
162	2	1 lb. 8 oz.	20.77	
163	3	1 lb. 12 oz.	22.20	
164	4	2 lb. 0 oz.	23.61	
166	6	2 lb. 8 oz.	27.17	

One and Dozen in a Box

RIVETING HAMMERS



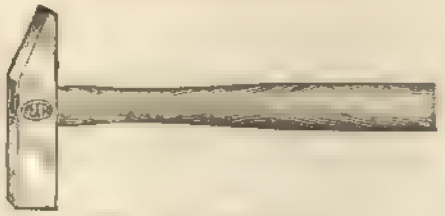
Polished Head, Hickory Handle

Pexto Setting and Riveting Hammers are forged from the highest grade crucible steel, are carefully tempered and hardened and thoroughly tested. The heads are full polished and handles are made of selected second growth hickory. These Hammers are of correct design for Sheet Metal Workers' use and have withstood the test for years in the hands of mechanics who have come to know that the quality is always the same.

No.	Size, Face Inches	Weight Ounces	Each List	Each
0	1¼	40	$4.20	.....
1	1⅛	24	2 09	. .
2	1	18	1 76	.
3	⅞	14	1 58	.
4	¾	10	1 54	
5	⅝	6	1 47	.

Half Dozen in a Box

SETTING HAMMERS



Polished Head, Hickory Handle

Pexto Setting and Riveting Hammers are forged from the highest grade crucible steel, are carefully tempered and hardened and thoroughly tested. The heads are full polished and handles are made of selected second-growth hickory. These Hammers are of correct design for Sheet Metal Workers' use and have withstood the test for years in the hands of mechanics who have come to know that the quality is always the same

No.	Size, Face Inches	Weight Ounces	Each List	Each
1	1⅛	24	$2 09	
2	1	18	1 76	
3	⅞	14	1 58	...
4	¾	10	1.54	. .
5	⅝	6	1 47	.

Half Dozen in a Box

TINNERS' RIVETING HAMMERS

Warranted Solid Tool Steel
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
136	2	0 lb. 12 oz.	$18.28	.....

Half Dozen in a Box

TINNERS' PANEING HAMMERS

Warranted Solid Tool Steel
Chamfered Pole
Weights do not Include Hammers

No.	Size	Weight	Per Doz. List	Per Doz.
132	2	o lb. 12 oz.	$18 28	...
133	3	1 lb. 0 oz.	19.34	. ...

Half Dozen in a Box

RIVETING HAMMERS

Warranted Solid Tool Steel
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
120	0	4 oz	$16 24	
121	1	7 oz	16 92	..
122	2	9 oz	17 60	
123	3	12 oz.	18 28	

Half Dozen in a Box

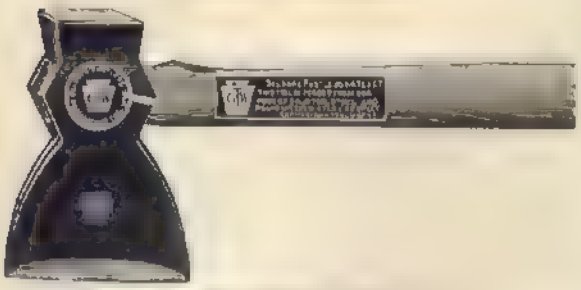
SHOE HAMMERS

Polished Face

	Per Dozen List	Per Dozen
No. 1. Weight, 13 Ounces. .	$2 64	
No. 2. Weight, 16 Ounces.	3 08	

See Page 91 for Raising Hammers

BROAD HATCHETS



Selsor's Rustless Warranted Solid Tool Steel

No.	Size	Inch Cut	Per Doz. List	Per Doz.
562	2	4½	$34 65	..
563	3	5	39 05	.....

One-third Dozen in a Box

HALF HATCHETS

Forged from Swedish iron with best tool steel on head, and inserted for cutting edge. It is far superior to a solid steel hatchet. Bronze Finish, Extra White Hickory Handles

Nos.	30	31	32
Size	1	2	3
Cut, Inches	3¼	3½	3¾
Per Dozen List	$24.53	$25.96	$27.39
Per Dozen	.....	.....	.....

Half Dozen in a Box

HALF HATCHETS, FULL POLISHED

All steel with best tool steel on head and inserted for cutting edge. Full polished. Extra white Hickory Handles.

Nos.	40	41	42
Size	1	2	3
Cut, Inches	3¼	3½	3¾
Per Dozen List	$31 68	$33.00	$34.65
Per Dozen	.....	.....	.....

Half Dozen in a Box

HALF HATCHETS

Cheltenham

Forged from one piece of solid steel. Black Finish. Hickory Handles.

No. 1031B, Size 2

Per Dozen List $18.37

Per Dozen ....

Half Dozen in a Box

HALF HATCHETS

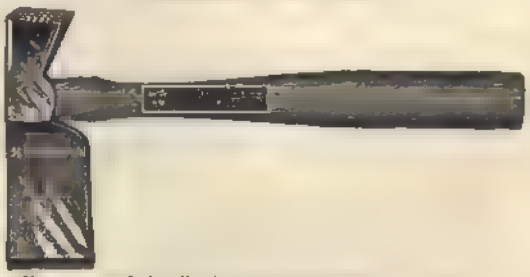
M. Warner Brand

Solid Steel, Not Warranted, Black Finish

No.	334
Size	2
Per Dozen List	$19 25
Per Dozen	

Half Dozen in a Box

LATHING HATCHETS



Warranted Solid Tool Steel, Full Polished, Eight Row

No.	300
Cut, Inches	2
Per Dozen List	$44.62
Per Dozen	

Half Dozen in a Box

LATHER HATCHETS

Master Lather Hatchets are made from the finest Master Steel that money can buy or the product of the most skilled tool craftsmen.

Every Tool is given individual treatment in tempering and is subjected to a special test many times as severe as the most severe it will ever stand in use.

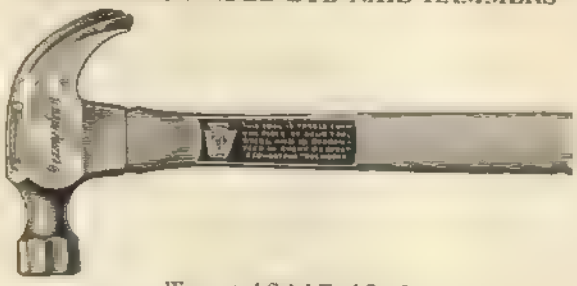
The Scoring is double cut, by a new process invented by us, and is guaranteed twice as [illegible] the usual scoring found on the best Lathing Hatchets of other makes.

The Edge of the Master Lather is the most remarkable for toughness and hardness ever produced.

No.		Weight Head	Per Doz. List	Per Doz.
292.	Boston Pattern, 8 Row	17 oz.	$42 13	
293.	Chicago " 9	19 oz.	43 45	

Half Dozen in a Box

ROUND NECK ADZE EYE NAIL HAMMERS

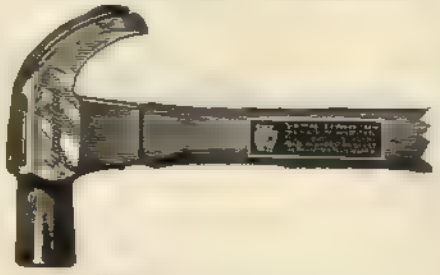


Warranted Solid Tool Steel
Nickel Plated, Octagon Pole, Mansana de Jaiba Handles
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz
41	1½	1 lb. 0 oz.	$57 95	
42	1	1 lb. 4 oz.	59 60	

Half Dozen in a Box

ADZE EYE NAIL HAMMERS



Warranted Solid Tool Steel
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
21	2	0 lb. 13 oz.	$24.71	.....
22	1½	1 lb 1 oz.	26.07	.....

Half Dozen in a Box

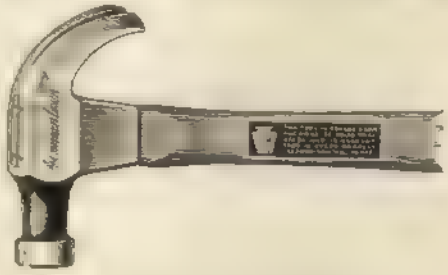
ADZE EYE NAIL HAMMERS

Warranted Solid Tool Steel
Octagon Pole, Nickel Plate Finish
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
34	3	0 lb. 11 oz.	$28.05	
35	1½	1 lb. 0 oz.	29.70	

Half Dozen in a Box

BELL FACE ADZE EYE NAIL HAMMERS



Warranted Solid Tool Steel
Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
31	2	0 lb. 13 oz.	$24.71	
32	1½	1 lb. 1 oz.	26.07	

Half Dozen in a Box

"MASTER BUILDER" NAIL HAMMERS

"The Best That Money Can Buy"
Adze Eye, Finely Polished

Hammer-forged from Master Steel, the finest steel obtainable for this purpose. Every tool is given individual treatment in tempering and is subjected to special and severe tests.

This hammer is provided with a Nail Holding Attachment in the claw for overhead work. The Octagon Handle insures a better grip and prevents the tool from turning in the hand. Weights do not include Handles.

No.	Size	Weight	Per Doz. List	Per Doz.
745	3	0 lb. 11 oz.	$34.65	
746	1½	1 lb. 0 oz.	34.65	
747	1	1 lb. 4 oz.	34 65	

Half Dozen in a Box

SELLING AGENTS FOR
GERMANTOWN TOOL WORKS

GERMANTOWN TOOL ASSORTMENTS

BOARD "H"

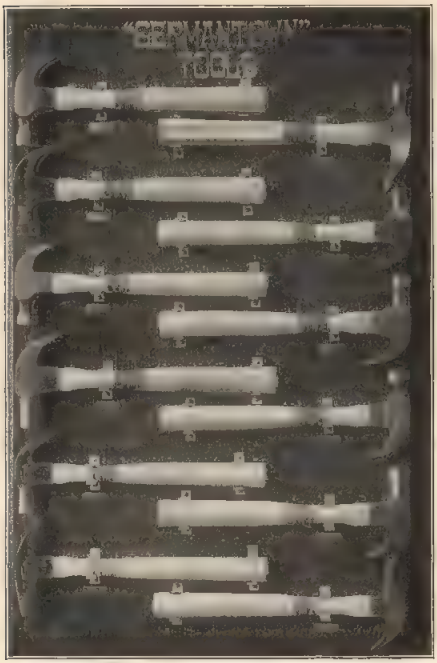


FIG. 300

ACTUAL SIZE, 15 x 22 inches.

BOARD "H" contains one Hammer each, No. 20, 21, 22, 31, 34, 35, 745, 935, 42½, 43, 92, 93.
" "I" " " " " " No. 158, 159, 160, 161, 162, 1155, 1157, 121, 122, 124, 70, 218.
" "J" " " Hatchet " No. 118, 2318, 4318, 316, 2316, 338, 298, 290.
" "K" " " " " No. 317, 2417, 4317, 414, 928, 901, 362, 286.

GRIFFITH "MASTER BUILDER" TOOLS

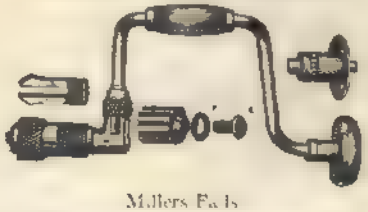
The case, which is wax finished, measures 34x21x6 inches. The tools are protected by a double thick glass front. The regular assortment contains ¼ dozen each of Hammers Nos. 745, 746, 747, 946; ¼ dozen each Hatchets Nos. 316, 319, 320, and ¼ dozen Hunters' Axes No. 376.

Per Assortment List.. . . . $77 00

Per Assortment.....

Can furnish Lathing Hatchet in place of Hunter's Axe.

LION RATCHET BRACES



Millers Falls

Polished and Nickeled steel; fancy tropical wood. Ball Bearing Steel Clad Head. Non-Splitting, always Free Acting Sweep Handle with Inserted Brass Rings. Covered, Dust Protected, simply constructed ratchet parts, with exposed dogs. Patent cup washer F and screw E to hold chuck to sweep Without Working Loose. Unbreakable jaw socket made from bar steel. Chuck shell Ball Bearing, with Case-Hardened Head and with Powerful Grip upon bit shanks and easily released when desired. Forged Steel Jaws, holding positively and securely, and centering with reasonable accuracy, Round shanks from ⅛ to ½ inch in diameter, No. 1 Morse Taper and all sizes of Bit Stock and Expansion bit shanks.

Nos	771	772
Size of Sweep, Inches	12	10
Each List	$8 13	$8 05
Each		

One-sixth Dozen in a Pasteboard Box

BRICKLAYERS' HAMMERS

Warranted Solid Tool Steel

Weights do not Include Handles

No.	Size	Weight	Per Doz. List	Per Doz.
214	1, Black	1 lb. 8 oz.	$21.08	....
215	2, Black	1 lb. 14 oz.	22.88	....

One-third Dozen in a Box

HOLDALL RATCHET BRACES

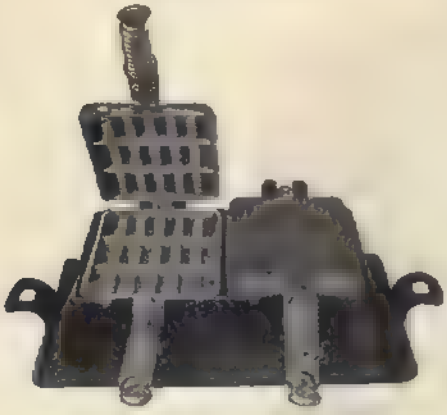
Millers Falls

Polished and Nickeled steel; fancy tropical wood. Ball Bearing Head. Non-Splitting, always Free Acting Sweep Handle with Inserted Steel Rings. Covered, Dust-Protected, simply constructed ratchet parts with exposed dogs. Patent cup Washer (F) and Screw (E) to hold chuck to sweep Without Working Loose. Unbreakable jaw socket made from bar steel. Chuck shell strengthened at the lip and shaped to fit the hand. Forged Steel Jaws, holding positively and securely and centering with reasonable accuracy Round shanks from ⅛ to ½ inch in diameter, No. 1 Morse Taper, and all sizes of Bit Stock and Expansion bit shanks

Nos	731	732
Size of Sweep, Inches	12	10
Each List	$7 24	$6 86
Each		

One-sixth Dozen in a Pasteboard Box

WAFFLE IRONS

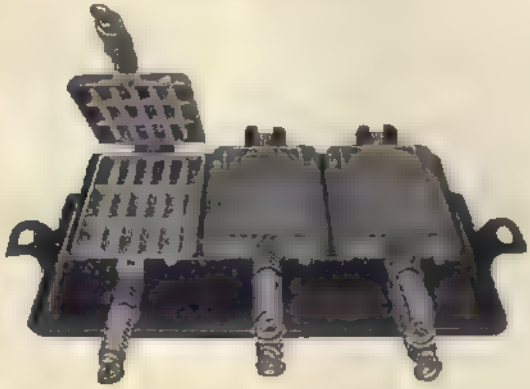


"American" Pattern, Extra Finish

No.	12
Size of Pan, Inches	9⅝x4
Size of Cake, Inches	3x4
Size of Frame, Inches	11x11¾
Each List	$4 78

Each

WAFFLE IRONS



No.	13
Size of Pan, Inches	9¾x4
Size of Cake, Inches	3x4
Size of Frame, Inches	15¾x11¾
Each List	$7 40

Each

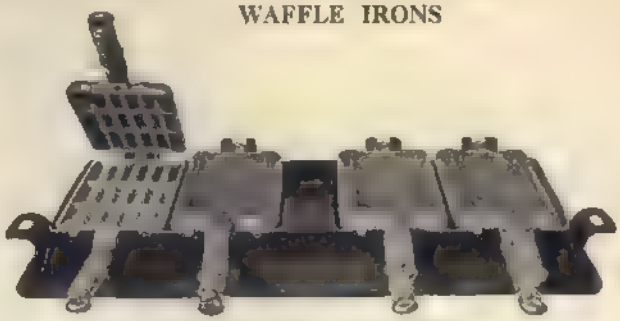
WAFFLE IRONS

"American" Pattern
Extra Finish, Low Frame

Nos.	7	8	9
Diameter of Pan, Inches	6¾	7¾	8½
Diameter Bottom of Ring, Inches	8¾	9⅞	10⅝
Each List	$2 11	$2 42	$2 71

Each

WAFFLE IRONS

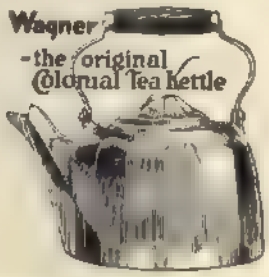


"American" Pattern, Extra Finish

No.	14
Size of Pan, Inches	9¾x4
Size of Cake, Inches	3x4
Size of Frame, Inches	22x11¾
Each List	$9 92

Each

TEA KETTLES



Wagner, Aluminum, Colonial Pattern

Made of heavy cast aluminum. Lid is opened and closed by pressing the lever which makes it impossible to burn or scald the hand. Water may be easily filled from a faucet as any other way.

Nos.	7	8	9
Capacity, Quarts	5	6	8
Each List	$7 26	$7 81	$8 80

Each

One in a Carton, One Quarter Dozen in a Carton

TEA KETTLES

Wagner, Aluminum, "Puritan"

Cast aluminum, heavy lugs, cast solid, no rivets, hinge and bail lug one solid piece, easy pouring spout, heavy metal sides, cool handle, erect, non-swerving bail, extra heavy bottom.

No.	8
Capacity, Quarts	6
Each List	$7 37

Each

One in a Carton, One Quarter Dozen in a Carton

TEA KETTLES

Cast Aluminum, Colonial Design, Flat Bottom

There are no joints, seams, rivets or solder to leak and give trouble. Cast in one piece; are thicker and stronger, and will outlast any other ware. Light in weight, bright as silver, and absolutely pure and wholesome.

Nos	535	536	538
Quarts	5	6	8
Bottom Diameter, Inches	9¾	10	11
Each List	$7 26	$7 81	$8 80

Each

One in a Carton, One Quarter Dozen in a Carton

TEA KETTLES

Flat Bottom, Aluminum

One-pieced, stamped body, double seamed to breast, leak proof. Stamped sheet metal spout, doubled seamed to body, also leak proof. Cover hole wired, kettle rigid and strong at an otherwise weak point. ¾ inch round bail, passing through and solidly attached to black jet handle. Ears firmly riveted to kettle. Jet black knob firmly riveted to cover.

Nos	5678	5679
Size	8	9
Diameter, Inches	9½	10½
Capacity, Quarts	6	8
Per Dozen List	$36.30	$39.60

Per Dozen

One in a Carton, One Quarter Dozen in a Carton

EXTRA HEAVY ROME TEA KETTLES

20 ounce copper, nickel plated, swell body, heavy wired sheet brass bail. Dome cover with knob riveted. Spout seamed to body firmly soldered inside. Heavy brass ears riveted to breast with brass rivets. Edge of cover opening reinforced with heavy wire.

Nos	0337	0338	0339
Size, Quarts	7	8	9
Per Dozen List	$61 60	$66.00	$70.40

Per Dozen

One in a Case, One Quarter Dozen in a Case

TEA KETTLES

Flat Bottom, Aluminum

There are no joints, seams, rivets or solder to leak and give trouble. Cast in one piece; are thicker and stronger, and will outlast any other ware. Light in weight, bright as silver, and absolutely pure and wholesome.

Nos	514	515	516	518
Quarts	4	5	6	8
Bottom Diameter, Inches	8⅞	9¾	10	11
Each List	$6 60	$7 26	7.81	$8 80

Each

One in a Carton, One Quarter Dozen in a Carton

FRY PANS

Acme
Cold Rolled Polished Steel, Deep Pattern Lipped

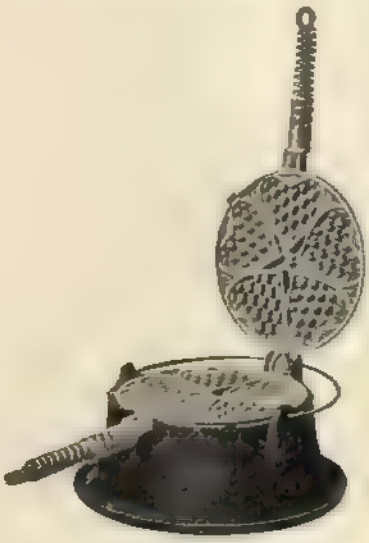
No.	00	0	1	2
Top Diameter, Inches	6	8	8½	9
Per Dozen List...	$2 10	$3 34	$3 85	$4 29

Per Dozen				
No.	3	4	5	6
Top Diameter, Inches	9½	10	11	12
Per Dozen List	4 78	5 61	6 27	7 70

Per Dozen....

One Quarter Dozen in a Bundle

WAFFLE IRONS



Heart-Star
Extra Finish, High Frame

No.....	116
Each List...	$3 34

Each.

WAFFLE IRONS

Heart-Star
Extra Finish, Low Frame

No	18
Each List	$2.84

Each ....

WAFFLE IRONS

"American" Pattern
Extra Finish, High Frame

No	88
Diameter of Pan, Inches	7¾
Each List	$2 86

Each

WAFFLE IRONS

"American" Pattern
Extra Finish, High Frame

No	11
Size of Pan, Inches	6¾x6¾
Size of Cake, Inches..	3⅛x3⅛
Size of Frame, Inches.	9¾x9¾
Each List	$2 86

Each..

CAST IRON HOLLOW WARE

DUTCH OVENS

Extra Heavy, Improved, Bailed

Nos.	7	8	9	10	11
Diam. Top, Inches	9¼	10½	11¼	12¾	13½
Diam. Bottom, Inch	8	9	9¾	10¾	11½
Depth, Inches	5¾	4	4¼	4⅞	6
Capacity, Quarts	3	4½	6	8	12
Each List	$5.43	$6.86	$4.49	$5.28	$6.34

Each

SUGAR KETTLES

Cast Iron, Japanned Outside

Nos.	1	2	3	4
Actual Capacity, Gallons	7	10	13	17
Each List	$5.83	$7.48	$8.80	$10.45

Each

Nos.	5	6	7
Actual Capacity, Gallons	20¼	24	28
Each List	11.55	13.86	16.17

Each

GRIDDLES

Extra Finish, Iron Handle

Nos.	7	8	9	10
Diameter Top, Inches	8	9½	10½	11½
Each List	$1.06	$1.17	$1.36	$1.76

Each

GRIDDLES

Extra Finish, Bailed

Nos.	12	14	16
Diameter Top, Inches	11½	13¼	15½
Each List	$1.98	$2.51	$3.04

Each

SKILLETS

Extra Finish, Iron Handle, Extra Deep

Nos.	8	9	10
Diameter Top, Inches	11	12	12⅜
Diameter Bottom, Inches	8¾	9½	10¼
Depth, Inches	3	3	3
Each List	$2.07	$2.33	$2.75

Each

SKILLETS

Extra Finish, Iron Handle, Regular

No.	Diameter Top Inches	Diameter Bottom Inches	Depth Inches	Each List	Each
2	6	4¾	1¼	$0.51	
3	6½	5¼	1¼	.55	
4	7	5¾	1½	.99	
5	9⅛	7½	1⅞	1.14	
7	9⅞	8¼	2	1.23	
8	10⅝	8⅞	2	1.32	
9	11⅜	9½	2	1.65	
10	11¾	10	2⅛	1.96	
11	12½	10⅞	2⅛	2.44	
12	13⅜	11¾	2¼	2.90	

SKILLETS

Acme, Steel

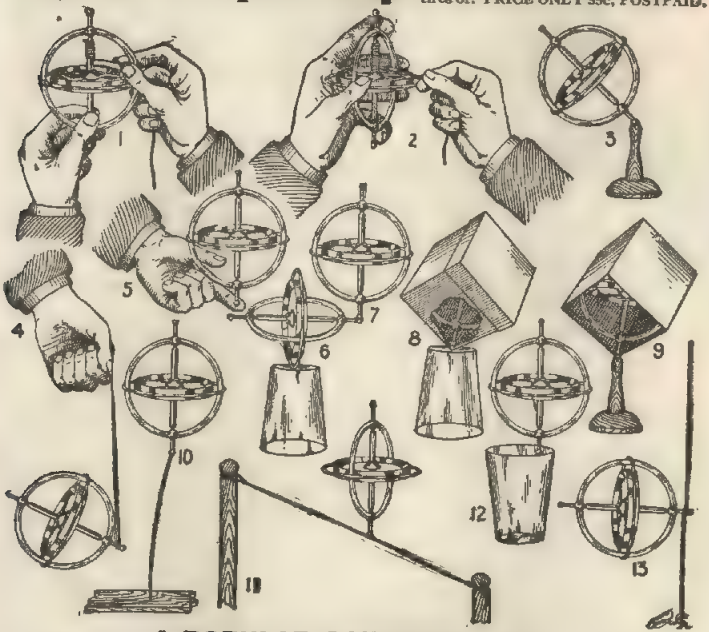
Made from the highest cold rolled steel obtainable.

Nos.	7	8	9
Bottom Diameter, Inches	8	9	10
Each List	$0.86	$1.14	$1.43

Each

Gyroscope Top

The Gyroscope is a most instructive instrument, always interesting to the intelligent adult and a toy a child never tires of. PRICE ONLY 35c, POSTPAID.



A POPULAR SCIENTIFIC TOY

Many interesting and amusing experiments can be performed which your scientific friend will find hard to explain. As a scientific instrument it is used to demonstrate the principle of rotation, attraction and equilibrium of bodies when in motion, the center of gravity and centrifugal force. In teaching astronomy the Gyroscope on the pedestal illustrates the rotation of the globe better than any mechanical device in existence. The inner wheel revolving supposedly 365 times to the outside frames once, shows the daily rotation of the earth on its axis, the whole Gyroscope revolving in a body the yearly rotation of the earth traveling around the sun, the thin circle the Equator, the thick one the Meridian, the two pivots the North and South Poles.

DEFIES THE LAW OF GRAVITATION

Large Gyroscopes are used in the navy to steady and steer torpedoes, and scientists are experimenting with them to prevent large ships from rolling, also in aerial navigation.

Prof. Louis Brennan, the inventor of Brennan torpedo and the more wonderful Monorail, conceived the idea from the Gyroscope and is using them to give his car stability. The Royal Scientists of England say the monorail will revolutionize the mode of travel in the 20th century. The British Government is now building a Monorail in India over which trains will soon be running 200 miles an hour on a single rail.

SPINS IN ANY POSITION

The illustrations show a very few of the ways of spinning the Gyroscope Top. It can be thrown and caught, rotating rapidly all the time. It will travel along a taut string or wire. You can suspend it from a loop of string, still spinning vigorously. It will spin on the point of a pin, and will revolve in a dozen different ways on the pedestal. An effective feat can be performed by spinning the Top at high speed and quickly placing it into the square cardboard packing box. Put on the lid and then set the box on one of its corners. **The box will spin around** for quite awhile, presenting a very curious appearance.

No. 3451. THE GYROSCOPE TOP, Price, including Pedestal and String.... 35c

Three Tops for $1.00, or One Dozen Tops for $3.00, Postpaid.

REVOLVING SCREW CASES

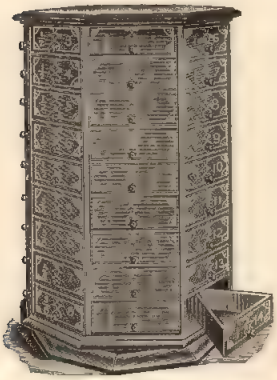


FIG. 1283

No.	Poplar Wood Cases. Cherry Stained.	
1	Screw Case, 72 Drawers, height, 33 inches; width, 21 inches	$20.25
2	Screw Case, 80 Drawers, height, 36 inches; width, 21 inches	23.25
3	Screw Case, 88 Drawers, height, 39 inches; width, 24 inches	24.75
4	Screw Case, 96 Drawers, height, 42 inches; width, 25 inches	27.50

NO. 1 AND 2 CASE

With Locking Device, without Key, extra, net	$4.50
With Locking Device, with Key, extra, net	5.00

NO. 3 AND 4 CASE

With Locking Device, without Key, extra, net	$5.40
With Locking Device, with Key, extra, net	5.90

No.	OAK CASES	
1	Screw Case, with Label Holders	$28.25
2	" " " " "	31.75
3	" " " " "	36.75
4	" " " " "	40.75

REVOLVING BOLT CASES

No.	Poplar Wood Cases. Cherry Stained.	
1	Bolt Case, 60 inches high; 30 inches wide, 98 Drawers	$40.00
2	Bolt Case, 65 inches high; 30 inches wide, 104 Drawers	44.00

No.		Extra, net.
1	Case, with Locking Device, without Keys	$5.00
1	Case, with Locking Device, with Keys	8.75
2	Case, with Locking Device, without Keys	5.00
2	Case, with Locking Device, with Keys	9.25

OAK CASES

1	Oak Case, with Label Holders	56.50
2	Oak Case, with Label Holders	61.00

FIG. 1284

The Harmony Musical Clock

A Clock and Musical Box Combined

WONDERFULLY SWEET TONED AND MUSICAL

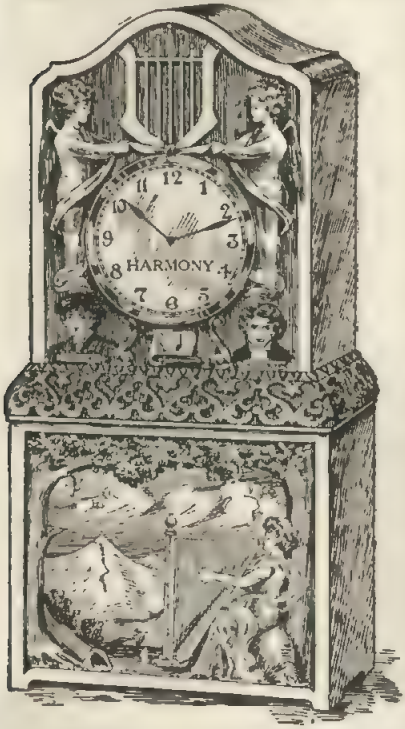
FULLY GUARANTEED **FITTED WITH 36 HOUR TIME AMERICAN MOVEMENT**

VERY HANDSOME AND IMPOSING APPEARANCE

Made Entirely of Metal, Bronzed All Over

AN ORNAMENT TO ANY ROOM, DEN OR PARLOR

THE "HARMONY" is the most beautiful and artistic design as well as the most striking design in Clocks ever originated. It is not only an accurate timekeeper, but also affords a great deal of pleasure. It is also an ornament that will add CHARM and GRACE to any room in the home. A great deal of time thought and study have been expended to make this a decidedly novel, useful, ornamental and desirable article.



The "HARMONY" MUSICAL CLOCK is made of solid metal throughout. It is strictly first-class and high grade. The workmanship is unexcelled and it is the only clock of its kind on the market. It is richly engraved and embossed, and bronzed all over. The two figures of cherubs in the upper panel are well proportioned in bas relief. The ribbon streamer is attached to a lyre occupying the center of the case. Directly under the cherubs are lifelike bust figures of WAGNER and BEETHOVEN, the great composers; between these is a musical emblem showing the cleff and notes. The oval border in the center is neatly executed in a fancy scroll design. The lower half of the clock represents a magnificent embossing of trees and mountains, producing a beautiful SCENIC EFFECT. The figure playing the harp is in bas relief and in perfect proportion.

Below the movement is fitted the musical part of the clock that plays TWO DIFFERENT TUNES FOR SEVERAL MINUTES. The music operates distinct from the movement of the clock, and thus can be set working any time by winding it up by means of the key that controls the mechanism. They come in great variety of tunes, such as "Annie Laurie", "Home Sweet Home", "Blue Bells of Scotland", and other well known popular airs.

The movement is American made, 32 hour time, 2½ inch dial with plain figures that are easily read from a considerable distance. The Clock is fully GUARANTEED for FIVE YEARS.

All lovers of music will be anxious to secure one of these Clocks. It will grace any room, and is suitable for use in parlor, den, or living room. It is so artistic that it will harmonize with any color scheme or style of furniture.

Sent carefully packed in a strong box for **ONLY $10.00.** We do not pay postage or express charges on this clock. The shipping weight is 10 lbs. Your postmaster can tell you the postage, or we can send by express (which is usually cheaper than postage except for places within a hundred miles of Chicago), expressage payable on delivery. Outside of U. S. A. the postage is $1.20 extra.

No. 2121. HARMONY MUSICAL CLOCK. PRICE.....$10.00

HOW TO PITCH CURVES

By the World's Greatest Masters

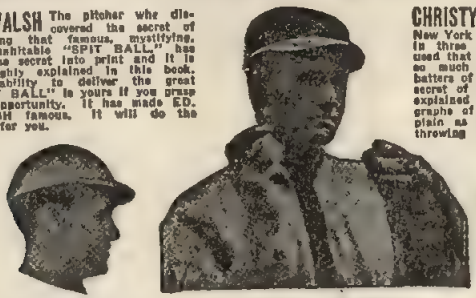
$1.00 BOOK FOR 25 CENTS

WALSH
The Spitball Wizard Starting the Swing

"DOC" WHITE'S SHADOW PITCHING HERE IS THE OFFER OF OFFERS. This will prepare you MENTALLY, MORALLY and PHYSICALLY to become, not only a great baseball player, but also a great athlete. It explains what an athlete should eat and drink, how he should breathe to develop lung wind, and sound lungs. How he should sleep to get the best mental and physical benefits, how he should bathe and what exercises will develop his muscles from head to foot. It teaches you the control of temper and nerves, both of which are necessary to athletic success. And wonderful as it may seem, it will teach you the art of SHADOW PITCHING which will enable you to practice and LEARN THE SECRET, by which you can develop Control and Speed necessary to become a STAR PITCHER.

MATHEWSON
The Old Master Out for the Fade-Away

ED WALSH The pitcher who discovered the secret of throwing that famous, mystifying, and unhittable "SPIT BALL," has put the secret into print and it is thoroughly explained in this book. The ability to deliver the great "SPIT BALL" is yours if you grasp this opportunity. It has made ED. WALSH famous. It will do the same for you.



CHRISTY MATHEWSON Pitched the New York "Giants" to three pennants in three years. In doing this he used that great "FADEAWAY" ball, so much feared by all the great batters of the National League. The secret of how to throw this ball is explained in this book, with photographs of every move, making it as plain as day to master the art of throwing the "FADEAWAY" ball.

JOE WOOD the "SMOKE BALL" marvel, next to the speediest pitcher in the world, and who in 1912 won 34 out of 39 games and the World's Championship for the BOSTONS is the inventor of the "SMOKE BALL," which is explained in this book so that anyone can easily learn it.

WALTER JOHNSON is the mainstay of the Washington team. He is known everywhere as the "SPEED KING" of the Baseball World, the man who has struck out more league batters in a single season than any other pitcher known. The way he develops SKILL and CONTROL with the speed of a CANNON BALL for game after game is explained so that any boy can develop the strength for this.

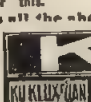
NAP RUCKER the husky south-paw of the Brooklyns who saved his team from being dropped out of the National League standing. Invented the "Knuckle Ball," which is described very fully in this book. It is easy to learn and when mastered will make batters look obsas.

No. 1274. How to Pitch Curves (Contains all the above information) Postpaid $0.25

Star Money Maker

A NEW COPYRIGHT BOOK CONTAINING personal experiences of many people showing how they made money in spare time at home. "Pigeons for Profit" is one of the many topics discussed. Also a number of valuable formulas recipes and trade secrets. 64 pages. Sent for **10c pp.**

K.K.K.



KU KLUX KLAN EXPOSED

Sensational Disclosures of the Hooded Terror

Everything about the Ku Klux Klan told in a clear, fearless manner. Book tells all How it started and was suppressed in 1871 The New Ku Klux Klan How Organized How Members Are Secured Oath of the Klan Questions for Candidates Creed Objects of the Order Obedience Fidelity Pledge of Loyalty Ku Klux Klan and the Masons The laws The Masons Real Work of the Klan. Oath The Negro Ku Klux Klan, etc., etc. Largest and most complete book on the Klan published. **Price 25c,** postpaid. Stamps or coin.

366 MILLICENT: "Alice has a terrible memory."
MARJORIE: "Doesn't she remember a thing?" "Worse! She remembers everything."

WATER-MOTOR WASHING MACHINE

We have called it Hydra. It is truly a water serpent—a demon for hard work and plenty of it

Hydra motors have only one stuffing box, which is easily accessible to take up any wear, has double cupped leather piston, neither of which need repacking, are perfectly water tight, work with least friction. The fewer working parts the less probability of trouble

Hydra motors have no coil springs, no exposed gears. The brass cylinder is reinforced and protected by a heavy galvanized iron casing—has brass strainer over inlet chamber, which prevents any kind of obstacles from getting into the valves, thus insuring their opening and closing regularly.

Hydra Water Power Washers require a flow of only four gallons or more of water per minute from the faucet to which it is attached to operate successfully with a load of six to eight shirts or its equivalent.

The tubs to which the Hydra motors are attached are made of the very best and selected Louisiana Red Cypress—"The Wood Eternal," thoroughly kiln dried, with corrugated sides and bottom. Dasher or dolly has sliding shaft through gear wheel, working piston rack, which enables user to raise dasher from time to time, while motor is in operation, to take new hold on clothes in process of washing, thereby washing clothes cleaner than with the stationary collapsible dolly

The tub is finished with a high grade water proof varnish

Each List..... $34.65

Each.

EAGLE MOP WRINGER

Heavy pail made of Virginia cedar, painted. All iron parts made of best quality malleable iron. Hardwood rollers.

	Domestic	Standard	Janitor's
Nos	0	1	2
Size, Quarts	10	14	22
Per Dozen List	$41.80	$47.96	$59 40

Per Dozen.....

Nos. 0 and 1—One-Third Dozen in a Crate

No. 2—Quarter Dozen in a Crate

MOP WRINGERS

Family

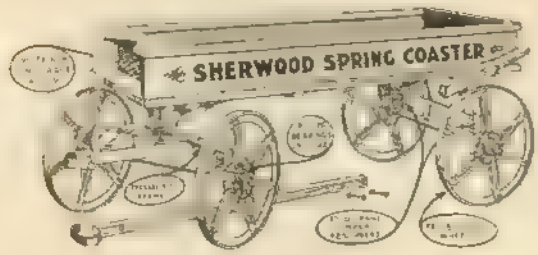
Is simple in construction, easy to operate, sanitary, durable, practicable. It is mounted in a 12-quart galvanized steel bucket. Double seamed all around. Has hardwood rollers. Cannot get out of order. Will last for years. Weighs less than 5 pounds. Holds 12 quarts of water. Use 8 quarts when mopping. To dry mop, step on board next to roller, pull mop up and your mop is dry.

Per Dozen List.. $19 80

Per Dozen...

Two in a Carton

SHERWOOD COASTER WAGONS



The Sherwood is a real coaster wagon, so strong and substantially built that it will last for years. Think of the service it will give compared with other coasters. And it's just as attractive as it is strong.

Look at those heavy steel shock-absorbing springs. They mean easy, comfortable riding. The Sherwood is an honestly built wagon—high quality in every detail. The body is well seasoned white ash, and the ends and sides are easily removed by means of thumb screws.

Both the frame and the wheels are pressed steel, firmly riveted. The roller bearings insure the easiest kind of riding, and are enclosed in dirt-proof containers. They will last a lifetime without wearing out.

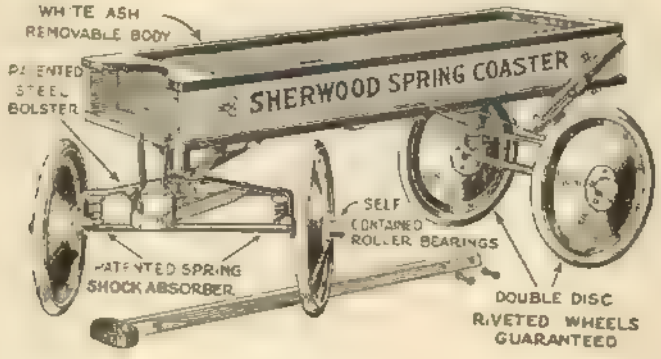
Note the detachable pole with steel grip, and the convenient brake on the rear of the box. As to actual strength, even the smaller size Sherwood will support over a TON.

All these good features are things that the children like. They have made the Sherwood a favorite all over the country.

Riveted V Spoke All Steel Wheel

Nos.	Body Size Inches	Wheel Size Inches	Weight Pounds
A28	12x28	8	25
A30	14x32	8	30
A34	14x34	10	34
A38	16x38	10	38
A40	18x40	10	43

SHERWOOD DOUBLE DISC WHEEL SPRING COASTER



Finish -Red enameled wheels, black enameled bolsters, high luster varnished body, red trimmings.

Patented Steel Spring Shock Absorbers—flexibility and comfort.

Guaranteed Double Disc Steel Wheels—resilient and lasting.

Steel Bolster Construction—durability with lightness and strength.

Friction-proof Self-contained Roller Bearings—speed and ease of operation.

Rubber or Steel Tires—adaptable to town or country.

Nickel-plated Hub Caps—tone and protection to clothing.

Convenient Hand Brake—safety.

Selected White Ash Body, sides and ends removable—convertable.

Rubber Tire Double Disc Wheel

Nos.	Body Size Inches		Wheel Size Inches	Weight Pounds
C28	12x28	⅝ tire	8	26
C32	14x32	⅝ tire	8	31
C34	14x34	¾ tire	10	35
C38	16x38	¾ tire	10	39
C40	18x40	¾ tire	10	44

With All Steel Wheels

Nos.	A28	A30	A34	A38	A40
Each List	$9.53	10 27	11.00	12.47	13.20

Each

With Disc Wheels and Rubber Tires

Nos.	C28	C30	C34	C38	C40
Each List	11 00	12.10	13 20	14 67	16.50

Each

Wheels for Sherwood Wagons
All Steel Spoke Wheels

Inches	8	10
Each List	$1.36	$1.67

Each

Disc Rubber Tired Wheel

Inches	8	10
Each List	$2.20	$2.40

Each

K. D. in Individual Dust Proof Containers

"SOOZIE SMILES"

Spec'l Half Price Offer

THE SURPRISE BABY

—SHE SMILES
—SHE CRIES
—SHE TALKS
—SHE WALKS

Price Postpaid Anywhere Only

$2.50

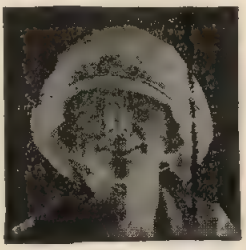
A SENSATIONAL Doll hit. When Soozie smiles everybody smiles. If you cry, Soozie commences to cry also. If you are good and happy, Soozie smiles to you and calls you "Mamma." See what a funny face she makes when she cries. There are lots of other things Soozie can do but laugh and cry. She will talk and say "Mamma" or cry with a real baby voice. If you hold her, she will walk with you. She winks and blinks, in fact she seems to be able to do everything except eat and drink. She is just a big, fine, darling doll every girl's heart is hungry for. She wants a mother to walk with her, sing her to sleep when she cries, rock her to sleep, etc. She is quite big, too, has jointed arms and legs, bright blue eyes that sleep. Unbreakable head, eyes won't jar loose. Cut cap, dressed in a pretty romper suit to match, stockings, and patent leather slippers, all ready to play with. "Soozie Smiles" was originally intended to be sold for $5.00, but by special arrangement with the factory, we have been permitted, by sacrificing part of our own profit, to offer this lovely doll for a limited time only, for not $4.00 nor $3.50, not even $3.00, but EXACTLY HALF PRICE, or $2.50, and in addition we will pay the postage to any address. You should take advantage of this offer at once, however, as we may not be able to renew this when our present stock is exhausted.

No. 3324. "SOOZIE SMILES"—The Surprise Baby. Special limited offer for a short time only; postpaid to any address..... $2.50

WATERPROOF HAT SAVER

PROTECTS THE HAT AGAINST RAIN OR SNOW

PROTECT your hat from RAIN or SNOW, with this unique Hatsaver. It is made of special water-proof paper that weighs but an ounce, folds up into a flat compact shape, occupying so very little room that it will slip into a handbag, vanity case, or even a purse. It opens out in a second, furnishing protection for the hat from rain or snow when without an umbrella. It also protects the hat from dust on a dusty auto ride. A white tape that goes under the chin prevents the Hat Protector from coming off. The one Protector can be used over and over again. Always carry one with you—you never know when you are going to need it. Buy them by the dozen to keep in the house. Give them to your guests instead of loaning an umbrella—umbrellas are not always returned. An investment of ONLY 15 Cents ($1.20 for a dozen) will, sooner or later, save you the price of a valuable hat. Each in an envelope only 2x7 inches.



No. 4546. WATERPROOF HAT SAVER. Each.....15c
Or $1.20 per box of Twelve postpaid.

Rapid-Fire Repeating Air Rifle

HAS MAGAZINE CAPACITY OF

One Thousand Shots at One Loading

Thirty Shots can be Accurately Fired in One Minute

Darts Can Also Be Used With This Rifle

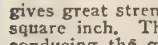
Only ~~$4.00~~ $3.00

Postage Paid

The "King" Rapid-Fire Repeating Air Rifle is constructed to hold ONE THOUSAND SHOTS in its magazine (if required) at ONE LOADING. It is in appearance very much like the Winchester Repeating Carbine, being about that size and model, all the parts are extremely simple and will not get out of order, and the materials used in its manufacture ARE OF THE BEST, all parts are interchangeable, and with ordinary care it will last a lifetime. So accurately does it shoot that a good marksman has split cards, edge-on, at 15 yards with it, and the penetration is greater than that of any air-rifle hitherto invented. The weapon can be fired 30 TIMES IN ONE MINUTE, as the lever under the breech works very rapidly, loading and cocking the gun by the one action. The magazine is nickel-plated, the stock of polished and seasoned wood, sights accurately set and tested, and the body of the rifle is handsomely and durably japanned, in fact workmanship and appearance are EQUAL TO ANY RIFLE COSTING $25, for each rifle is a splendid example of the gun-maker's art, assisted by the most modern machinery. The ammunition is the regular shot, which can be purchased anywhere, hence the cost of using this wonderful rifle is ALMOST NOTHING. Darts can also be used with this rifle. No sportsman should be without this MAGNIFICENT WEAPON. There is no danger of explosion, and even boys and youths may use it without risk. The air-compressing mechanism is a PERFECT INVENTION, being the SIMPLEST AND MOST DURABLE ever devised. The air chamber is constructed on a principle which gives great strength, and it will withstand a pressure of many pounds to the square inch. The pull of the trigger is rather less than in ordinary rifles, conducing the great rapidity of firing. The "King" Repeating Air Rifle is about 36 inches long from muzzle to heel plate, the weight is about 2 lbs. which is light enough to cause no fatigue and heavy enough to ensure accurate shooting. It is an unusually handsome model, having a beautiful gun-metal finish, each gun being packed in a very fine hinged box, but it must be seen and used to be thoroughly appreciated. For target practice no rifle made can surpass it.

No. 2908. King 1,000 Shot Repeating Air Rifle, Price, postpaid..... $3.00

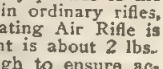
AIR RIFLE SHOT AND DARTS



AIR RIFLE SHOT. We recommend your buying the shot locally, as you can usually buy it for less than the postage it takes to ship it. However, as an accommodation to our customers, we will supply you with the best Air Rifle Shot, put up in specially made tubes, containing about six ounces of shot at 15c each, ppd.

No. 2909. Air Rifle Shot, per tube Price, 15c.

DARTS Specially made for use with these Rifles. Just the thing for target practicing, come in packages containing one dozen Darts,



No. 2910. Air Rifle Darts. Price, 25c per package

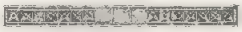
Diamond Bar Pins

D-2270—$360.00

Seven blue-white diamonds. Mounted in 10% iridium quality platinum. Handsomely pierced and milgrained.

D-2271—$300.00

Fifteen blue-white diamonds. Mountings of 10% iridium quality platinum. Beautifully pierced and milgrained.



D-2272—$440.00

Center of three fine blue-white diamonds. Ends of synthetic calibre cut sapphires. Mounting of iridium quality platinum. Handsomely milgrained.

D-2273—$430.00

Nineteen blue-white diamonds. Mounting of iridium quality platinum. Attractively pierced and milgrained.

D-2274—$1,100.00

Thirty-seven blue-white diamonds. Mounting of 10% iridium quality platinum. Handsomely pierced and milgrained.

D-2275—$490.00

Twenty-five blue-white diamonds. Mounting of iridium quality platinum. Pierced and milgrained.

D-2276—$1,150.00

Thirty fine blue-white full cut diamonds. Genuine Oriental sapphire bands in ends. Mounting of heavy 10% iridium quality platinum. Beautifully pierced and milgrained.

D-2277—$525.00

Twenty-five blue-white diamonds. Synthetic emeralds in ends. Mounting of iridium quality platinum. Pierced and engraved.

D-2278—$3,900.00

A very marvelous pin containing seven large diamonds and 56 smaller cut diamonds. Mounting of iridium quality platinum. Handsomely made and finished, as commensurate with a pin of this quality.

D-2279—$720.00

Twenty-nine blue-white diamonds. Mounting of 10% iridium quality platinum. Handsomely pierced and milgrained.

D-2280—$1,150.00

Forty fine blue-white diamonds and a fine Marquise shaped center diamond. Mounting of 10% iridium quality platinum. Beautifully pierced and milgrained.

(Cuts shown on this page are exact reproductions, photographed directly from the goods.)

BELLS AND CHIMES

HAND BELLS

FIG. 2643

No.	Width of Mouth, inches.	Per dozen.
0	2	$2.00
1	2⅛	2.62
2	2⅜	3.50
3	2½	4.50
4	3¼	6.50
5	3⅞	8.50
6	4	11 25
7	4⅛	13.75
8	4⅜	18.50
9	5¼	21.00
10	5¾	30.00
12	6	36.00
14	6¾	48.00
16	7	54.00

KENTUCKY COW BELLS

FIG. 2644

No.	Height (without Loop).	Per dozen.
0	7	$12.00
1	6⅜	10.00
1½	6	9.00
2	5¼	8.00
3	4⅞	6.00
4	4	5.00
5	3⅛	4.00
6	2¾	3.00
7	2¼	2.50

LOCOMOTIVE GONG BELLS

FIG 2645

TRIP GONG BELLS

FIG. 2646

LOCOMOTIVE GONG BELLS, POLISHED BELL METAL, WOOD HAMMERS

Inch	4	5	6	7	8	10	12	14
Per dozen	$12.50	16.50	24.00	34.00	46.00	84.00	150.00	212.00

TRIP GONG BELLS, POLISHED BELL METAL

10, 12 and 14 inch have Wood Hammers.

Inch	5	6	7	8	10	12	14
Per dozen	$16.50	24.00	34.00	46.00	84.00	150.00	212.00

SLEIGH BELLS, BODY STRAPS

FIG. 2647
Plain Black Harness Leather.

SHAFT CHIMES

FIG. 2648
Wrought Steel, Beaded, Japanned Iron Strapped.
Complete catalogue of Bells on applications.

Mystery Speed Boat

NINE MILES PER HOUR

What Makes It Go? No Springs! No Machinery! No Gears! A Fast, Classy, Novelty Motor Boat! New Patented Principle of Operation!

INDESTRUCTIBLE—FOOL PROOF—SAFE

This marvelous little boat is the latest and most sensational novelty. It is a fast, classy, novelty motor boat, operating upon an entirely new and patented principle of operation, never before applied to toys. It is only necessary to put in the Torch of the boat a lump of Canned Heat, such as Sterno, etc., which can be obtained at any drug store, or from us direct, and light. Place the boat in the water, and it starts Chug-Chug-Chugging, just like a large motor boat, quickly getting up its maximum speed, and going around and around in the water at a lively rate, without any further attention whatsoever. What makes the boat go and keep on going seems a mystery, yet we assure you there is no machinery, no springs, nothing to wind, no gears, and nothing to do but light and place the Canned Heat in the Boat. It will run anywhere there is water. You can run it in your bath-tub, in a dish pan—anywhere at all. It has a speed record of **9 miles an hour** and has run for 2 hours on one charge. The cost of running the boat is so small that it is practically nil. **One tenth of a cent for one charge.** You can stop the boat at any time before the torch is burnt out simply by removing the torch. The instructions for operating the boat are so simple that any child can operate it. The boat is constructed entirely of metal, attractively enameled in colors, the hull being dark green and the deck bright red. The boat is indestructible, fool-proof and safe, measures 9 inches long, 2½ inches wide and 2½ inches high, packed in a neat box and altogether will give you long service and much enjoyment.

No. 3387. THE MYSTERY SPEED BOAT. Price postpaid to any address....$1.25
No. 3388. CANNED HEAT. Price per can.....$0.20

No. 3630. "ODDS-ON," America's Great New Racing Game. Price 50 Cents

THE WONDER AIR PLANT

No Soil

No Water

No Care

ABSORBS MOISTURE FROM THE AIR

Lovely Feathery Fronds Keep Beautifully Fresh and Green

CHARMINGLY DECORATIVE FOR THE HOME

Decorative plants, such as ferns, palms, etc., soon lose their attractive freshness when kept in the house, and need constant attention to keep them alive. The Wonder Air Plant, on the contrary, calls for no care; it requires neither water no soil. Suspended anywhere out of the direct sunlight, it preserves its beautifully fresh and green appearance for years, the feathery fronds expanding in damp weather, absorbing moisture from the air and glistening with dew, and in dry seasons becoming more close and compact. The engraving is an inadequate representation of the lovely appearance of the Wonder Air Plant, for it is impossible to convey even a faint idea of the delicate shades of green of the feathery fronds and the exquisitely graceful effect of the gossamer-like depending foliage.

No. 5001. WONDER AIR PLANT. PRICE, EACH, POSTPAID..25 CENTS
Three Plants for 65 Cents, or a dozen for $2.25 postpaid

The Wonderliter

It Strikes Like a Match

ONLY 50 CENTS Postpaid

A neat, thin, compact model of these Automatic Pocket Lighters, and one which is preferred by many, as it strikes just like a match, hence you don't "miss fire." Simply strike it on the box and it immediately lights with a good, strong flame. There is nothing about it to get out of order. No extra flints required as a large piece of sparking metal is fastened in the base of lighter the whole width. With ordinary care it will last a very great length of time. **50c**

No. 2544. The Wonderliter...

Simplex Pocket Lighter

This is surely the cheapest of all Pocket Lighters. There are scores of similar devices sold, but for all round value we think this beats them all. It is a nice, convenient size for the vest pocket, rounded ends and nickel plated. Most people are aware of the principle. A piece of special kind of Flint is brought into contact with the little wheel by giving the latter a sharp turn with the thumb. The Flint emits a spark which immediately ignites a little wick, which is moistened occasionally with benzine. Extra flints five cents each.

No. 2542. Simplex Pocket Lighter, 20c

MARATHON CO.

PERFECTED WINDLITE

LIGHTS IN THE WIND

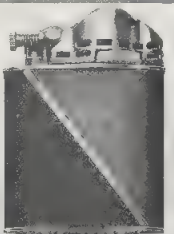
M358 Price, $4.00
Perfected Windlite, Black Shark leather covered with shield for mo...

M355 Price, $7.50
Perfected Windlite Alligator leather covered

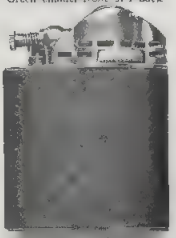
M353 Price, $10.00
Perfected Windlite Royal Blue and Black enamel front and back

M357 Price, $10.00
Perfected Windlite, Red and Black enamel front and back
M357 Without Windshield $8.50

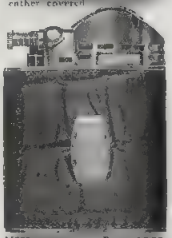
New Perfected WINDLITE is built for permanent service—lites in the wind. Very thin model and takes up no more room than ordinary lter. Exceptionally smart looking with POPULAR MARATHON FINISH. It's a positive lite ANYWHERE with ease.



M354 Price, $10.00
Perfected Windlite Black and Green enamel front and back



M359 Price, $7.50
Perfected Windlite, Ostrich ...ather covered



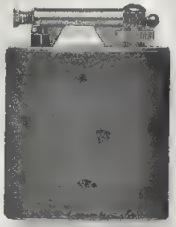
M358 Price, $5.00
Perfected Windlite Alligator leather covered with shield for monogram

GUARANTEED

NEW SPORTLITE PERFECTED

M350 Price, $8.00
New Perfected Sportlite, Alligator leather covered

M352 Price, $6.50
New Perfected Sportlite Hand Engine-turned front and back

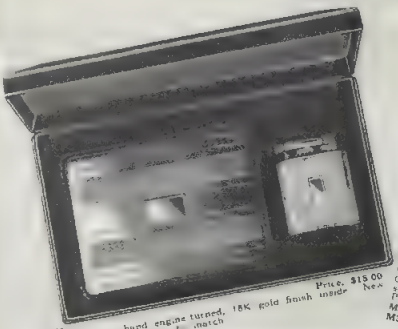


M351 Price, $6.00
New Perfected Sportlight. Ostrich leather covered.

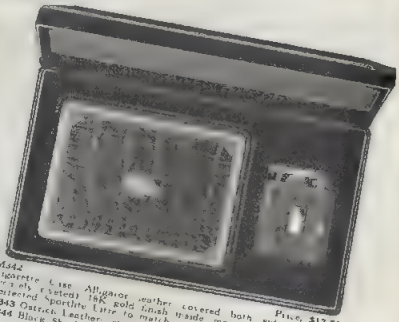
SEE MARATHON SUPER-SETS ON REVERSE SIDE

SUPER MARATHON CO. SETS

GUARANTEED



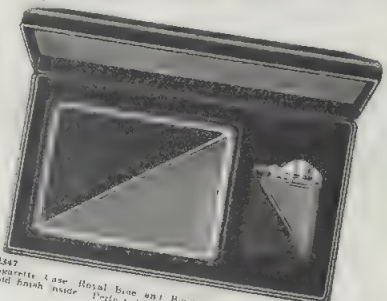
M341 Cigarette Case, hand engine turned, 18K gold finish inside. Price, $15.00
Perfected Sportlite Litre to match



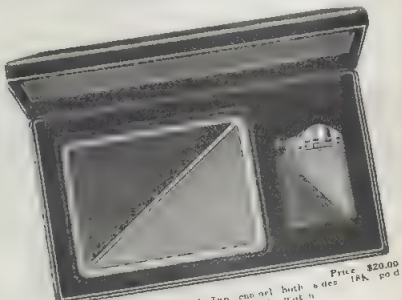
M342 Cigarette Case, Alligator leather covered both sides, [illegible] Price, $17.50
Perfected Sportlite Litre to match 18K gold finish inside monogram shield [illegible] leather
M343 Cutrock Leather same as above
M344 Black Shark Leather same as above

M345 Price, $24.00
Cigarette Case with bezel, Red and Black enamel both sides, 18K gold finish inside. Perfected Windlite Litre to match.

M346 Price, $24.00
Cigarette Case with bezel, Green and Black enamel both sides, 18K gold finish inside. Perfected Windlite Litre to match



M347 Price, $20.00
Cigarette Case, Royal Blue and Black enamel both sides, 18K gold finish inside. Perfected Windlite Litre to match



M348 Price, $20.00
Cigarette Case, Brown and Tan enamel both sides, 18K gold finish inside. Perfected Windlite Litre to match

SEE NEW MARATHON WINDLITE AND SPORTLITE ON REVERSE SIDE

MARTIN-COPELAND

GOLD FILLED NECKLACES

See for yourself these delightful combinations of color, craftsmanship and quality

No. X 38 Alternating faceted and plain cut imitation sapphire beads $11.25

No. X 8 Alternating plain and fluted gold filled beads, antique finish. $8.25

No. X 2 Plain, round, gold filled beads, antique finish. $7.75

No. X 4 Plain, round, gold filled beads, antique finish. $9.00

No. X 6 Hammered gold filled beads, antique finish. $9.75

No. X 21 Alternating faceted and plain cut French imitation crystal beads $8.25

No. X 23 Alternating fluted and plain cut imitation opal beads $8.25

No. X 41 Fancy necklace, gold filled and French imitation crystal beads $8.50

No. X 65 Twist cut crystal, rose faceted with plain gold filled beads $9.75

No. X 54 Alternating barrel faceted cut [illegible] imitation turquoise beads $ 9.15

No. X 32 Imitation light sapphire faceted, with fluted gold filled beads $11.25

50-'28 Printed in U. S. A.

ALL OF ABOVE NECKLACES FURNISHED IN 15-INCH LENGTH

MARTIN-COPELAND

14 K SOLID GOLD NECKLACES

ONLY by seeing the necklaces themselves can you fully appreciate the exquisite workmanship on the gold and the beautiful colorings and skillful cutting of the stones. The styles, while conservative, are just enough in advance of fashion to satisfy your most fastidious clientele.

No. 5-9 14K Solid gold, graduated, antique finish. **$22 50**

No. 5 14K Solid gold, antique finish. **$19.50**

No. 7 14K Solid gold, antique finish. **$22.00**

No. 2223 14K Solid gold, antique finish, fluted beads. **$33.00**

No. 16 14K Solid gold oval beads, antique finish. **$27.75**

No. 8 14K Solid gold, antique finish. **$25 50**

No. 10 14K Solid gold, antique finish. **$38.25**

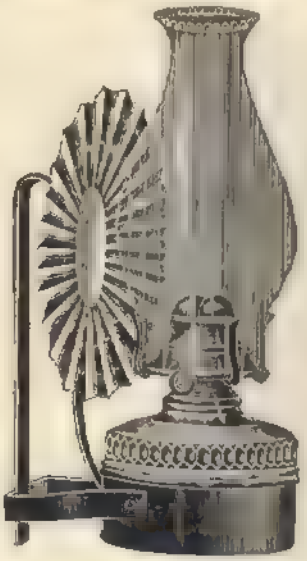
No. 15 14K Solid gold, antique finish. **$57.75**

All of above furnished with an easily operated plunger snap

50-28

ALL OF ABOVE NECKLACES FURNISHED IN 15-INCH LENGTH

MASCOT WALL LAMP



■ No. 26. Steel Frame, Glass Fount Complete with No. 2 Burner, Chimney and Reflector

Per Dozen List..... $14 85

Per Dozen.....

One Dozen in a Box

LANTERNS

Dietz

No. 2 "D-Lite"

The No. 2 "D-Lite" Cold Blast Lantern has an increasing sale among the class of buyers who demand the best regardless of price.

Special features: Dietz security standing bail, patent brass eyelets, patent safety rising coneburner, patent reinforced tubes, patent top lift; globe and rising cone tip out; large oil-filler, patent locking short globe and double-seamed, solderless, dome-shaped oil fount.

Height, 13¼ inches, size of wick 1 inch, fount capacity 20 hours, bright tin.

Per Dozen List..... $28 60

Per Dozen..

Half Dozen in a Box

LANTERNS

Dietz

Monarch "Hot Blast"

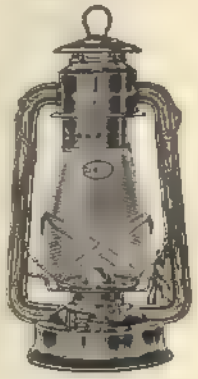
A low priced lantern with standing bail, patent brass eyelets, patent safety (wing-lock) burner, patent reinforced tubes, patent positive-locking globe lift, large oil filler and double-seamed solderless dome-shaped oil fount, bright tin.

Height, Inches.....	13½
Size of Wick, Inches.....	⅝
Fount Capacity, Hours..	20
Per Dozen List.....	$16 50

Per Dozen..

One Dozen in a Box

LANTERNS



Dietz No. 2 "Blizzard"

Two attractive new features are the Wing-lock Rising Cone Burner exposing the wick for trimming and lighting, and the Patent "Loc-Nob" Globe.

The No. 2 "Blizzard" gives a clear white light of ten candle power.

Special features: Dietz security standing bail patent brass eyelets, patent safety (wing-lock) rising cone burner patent reinforced tubes, patent globe lift on inside of frame large oil-filler, patent locking globe and double-seamed solderless dome-shaped oil fount.

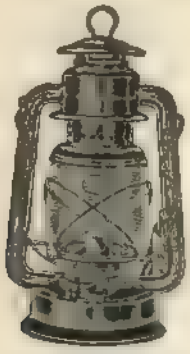
Height 14¾ inches, size of wick 1 inch, fount capacity 20 hours, bright tin

Per Dozen List... $28.60

Per Dozen...

Half Dozen in a Box

LANTERNS



Dietz "Little Wizard" (Cold Blast)

Dietz Loc-Nob short globe in which the hand may be inserted for cleaning.

The "Little Wizard" gives double the light of a hot Blast Lantern using the same size of wick. Security standing bail, patent brass eyelets, patent safety (wing-lock) rising-cone burner, patent reinforced tubes, patent globe lift on inside of frame, large oil-filler, patent locking globe and double-seamed solderless, dome-shaped oil fount, bright tin.

Height, Inches	11½
Size of Wick, Inches	⅝
Fount Capacity, Hours	18
Per Dozen List	$21 67
Per Dozen	

One Dozen in a Box

LITTLE WIZARD

For Little Wizard Lanterns

Height, Inches	3⅝
Top Diameter, Inches	3¼
Bottom Diameter, Inches	2⅝
Less than Lots of 1 Dozen, Per Dozen List	$3.85
Less than Lots of 1 Dozen, Per Dozen	
Lots of 1 Dozen or More, Per Dozen List	3 65
Lots of 1 Dozen or More, Per Dozen	

One Dozen in a Box

COLD BLAST

Height, Inches	6⅛
Top Diameter, Inches	2⅝
Bottom Diameter, Inches	3⅛

White

No. 2. Less than Lots of 1 Dozen, Per Dozen List	$3.19
Less than Lots of 1 Dozen, Per Dozen	
Lots of 1 Dozen or More, Per DozenList	2 97
Lots of 1 Dozen or More, Per Dozen	

One Dozen in a Box

TUBULAR

Height, Inches	6⅝
Top Diameter, Inches	2⅛
Bottom Diameter, Inches	3⅜

White

No. 0. Lots of 1 Dozen, Per Dozen List	$2 64
Lots of 1 Dozen, Per Dozen	
No. 0. Lots of 2 Dozen, Per Dozen List	2.25
Lots of 2 Dozen, Per Dozen	

One or Two Dozen in a Box

Ruby

No 0. Less than Lots of 1 Dozen, Per Dozen List	6.05
Less than Lots of 1 Dozen, Per Dozen	
No. 0. Lots of 1 Dozen or More, Per Dozen List.	5 50
Lots of 1 Dozen or More, Per Dozen	

One Dozen in a Box

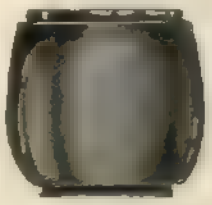
RAILROAD

Height, Inches	4⅞
Top Diameter, Inches	2⅝
Bottom Diameter, Inches	3⅜

White

No 39. Less than Lots of 1 Dozen, Per Dozen List	$3 63
Less than Lots of 1 Dozen, Per Dozen	
No. 39. Lots of 1 Dozen or More, Per Dozen List	3 30
Lots of 1 Dozen or More, Per Dozen	

D-LITE



For D-Lite Lanterns

Height, Inches	4⅝
Top Diameter, Inches	4
Bottom Diameter, Inches	3⅞
Less than Lots of 1 Dozen, Per Dozen List	$3 19
Less than Lots of 1 Dozen, Per Dozen	
Lots of 1 Dozen or More, Per Dozen List	2 97
Lots of 1 Dozen or More, Per Dozen	

One Dozen in a Box

Dietz "Scout" Globes

Per Dozen List	1.76
Per Dozen	

DAYTON PATTERN | DAYTON PATTERN | CROWN PATTERN | HANDLED MINERS

Superior | Pioneer | Pennsylvania | Buckhorn

Superior, Dayton Pattern, Single Bit

Are made of two piece best grade steel. Forged and tempered by hand. Bronzed finish. No. 1 handles
3½ to 4½ Pounds, One Dozen in a Case . . . . . Per Dozen List $42 90 Per Dozen.....

Pioneer, Dayton Pattern, Single Bit

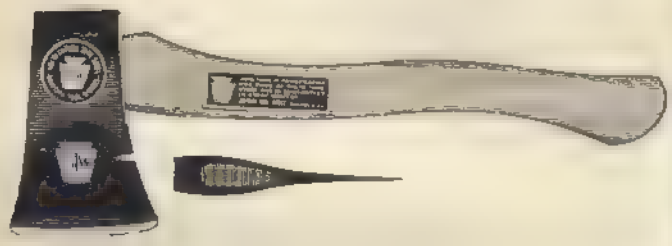
Are made of two piece high grade steel. Forged and tempered by hand. Bronzed finish No. 2 Handles
3½ to 4½ Pounds, One Dozen in a Case..... Per Dozen List $38 50 Per Dozen.....

Superior, Pennsylvania Pattern, Double Bit

Are made of two piece best grade steel. Forged and tempered by hand. Bronzed finish. No. 1 Handles.
3½ to 4½ Pounds, One Dozen in a Case..... Per Dozen List $53.57 Per Dozen...

Buckhorn Miners' Axes, Assorted Square Pole Patterns, Black Finish, Straight Hickory Handles, Assorted
3½ to 4½ Pounds, One Dozen in a Case..... Per Dozen List $33.00 Per Dozen.....

"MASTER HUNTER" AXE WITH LEATHER HOLSTER



The Thin Bit gives the tool an even balance.

It will drive like a Nail Hammer and cut better than any Axe heretofore made.

	Weight Handled	Per Dozen List	Per Dozen
No. 376. Full Polished.....	22 oz.	$35 20	.....
No. 375. Blued.....	22 oz.	31 35	

Half Dozen in a Box

"MASTER BUILDER" HALF HATCHETS

Forged by hand of Master Steel, the finest steel obtainable for the purpose. Every tool is given individual treatment in tempering and is subjected to a special test many times as severe as it must withstand in use

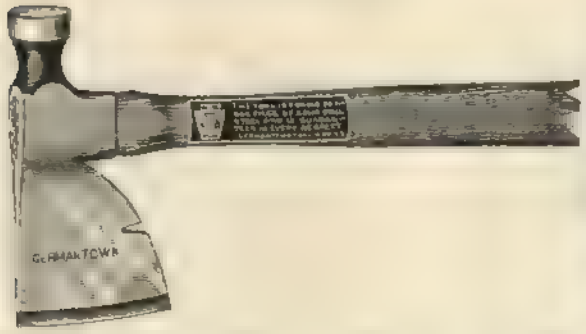
It will drive as well as a Nail Hammer and cut better than any Hatchet heretofore made

No.	Size	Cut. In.	Per Dozen List	Per Dozen
320	2	3½	$39.88	
319	1	3¼	38 50	..

Half Dozen in a Box

HALF HATCHETS

Bell Face, Adze Eye, Thin Bit
Warranted Solid Tool Steel



No.	Size	Cut In	Per Dozen List	Per Dozen
316	2	3½	$39 88	.....

Half Dozen in a Box

HALF HATCHETS

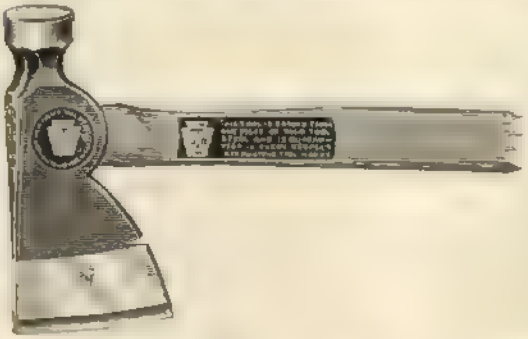
Warranted Solid Tool Steel, Olive Bronzed

No.	Size	Cut. In	Per Dozen List	Per Dozen
336	1	3¼	$26 14	.
338	2	3½	27.50	...

Half Dozen in a Box

HALF HATCHETS

Car Builders Pattern
Octagon Neck, Round Pole Warranted Solid Tool Steel Fire Bronzed.



No.	Size	Cut In	Per Dozen List	Per Dozen
317½	1	3¼	$30.80	.....
318	2	3½	33 00	.....

Boxing Hatchets with Scored Pole

No. 0318, Per Dozen List.. ..... $35.20

Per Dozen ....

Half Dozen in a Box

HALF HATCHETS

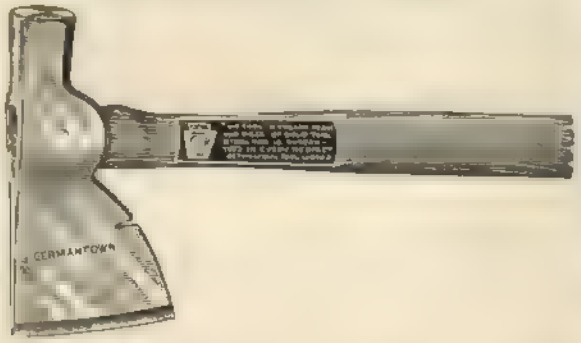
Selsor's Rustless
Warranted Solid Tool Steel

No.	Size	Cut In.	Per Dozen List	Per Dozen
5415	1	3½	$26.14	.
5416	2	3½	27.50	

Half Dozen in a Box

HALF HATCHETS

Warranted Solid Tool Steel, Full Polished



No.	Size	Cut. In.	Per Dozen List	Per Dozen
1338	2	3½	$31.90	.....

Half Dozen in a Box

HALF HATCHETS

Franklin Blue Jacket
Solid Steel, Not Warranted, Blue Body

No.	Size	Cut In.	Per Dozen List	Per Dozen
384	2	3½	$23.39	

Half Dozen in a Box

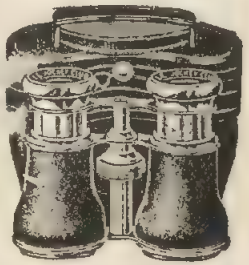
INDISPENSABLE TO SPORTSMEN AND RIFLEMEN

THE TOURIST FIELD GLASS

A Special Powerful Binocular

ADAPTED FOR---THEATRE, FIELD AND MARINE USE

COMPLETE WITH LEATHER CASE AND LONG SHOULDER STRAP



THE TOURIST FIELD AND OPERA GLASS is a good and exceptionally POWERFUL BINOCULAR instrument, thoroughly well finished, and of the most HANDSOME APPEARANCE. The LENSES are made in France by CHEVALIER, one of the LARGEST and MOST WIDELY KNOWN manufacturers of Optical Goods in the world. They are perfectly adjusted to give the CLEAREST DEFINITION at very great distances. The tubes are fitted and graded with absolute accuracy, and the focussing mechanism is THOROUGHLY EFFICIENT, enabling the finest adjustment to be made and maintained. The body is covered with the best quality of LEATHER, the mounts are of HIGHLY BURNISHED NICKEL SILVER that will withstand the roughest usage. This excellent glass enables the racing man to FOLLOW THE FORTUNES OF THE GAME FROM START TO FINISH, to watch every exciting incident with the most PERFECT CLEARNESS and to decide by the judgment of his own eyes upon the various chances of the contest. Without such a glass a spectator sacrifices much of the intelligent enjoyment of every sporting event, being to a great extent dependent upon his neighbor with a binocular for a disjointed description of the many interesting aspects of the struggle. It is, of course, much larger than the illustration, and is equally suitable for both out of doors and the theatre. This Glass would not be at all dear at Nine or Ten Dollars, but, in order to introduce it specially to SPORTSMEN and RIFLEMEN, we have decided to sell a LIMITED NUMBER at the REMARKABLY LOW PRICE OF **$4.50** including postage to any address. This includes a LEATHER SLING CASE of excellent quality, and a long SHOULDER STRAP with buckle, making a REALLY STYLISH TURN-OUT.

No. 9103. The Tourist Field Glass. Price, postpaid $4.50

THE KNOCK-OUT BOXERS

JACK JOHNSON & JESS WILLARD

THE WILLING PUGILISTS

Most Lifelike and Amusing

This is a variation of the Alabama Coon Jigger which is claimed to have a greater sale than any other mechanical toy in the world. The Boxers are set up in a ringed arena, as shown in the illustration. The platform conceals the mechanism, which is wound up with the key. You may depend upon these Fearless Fighters for a scientific exhibition of the noble art of self-defense for many rounds, with all the drives—feints—guards—cuts—points and solar plexus blows, etc. Strongly made entirely of metal, in bright attractive colors, 6½ inches in height. Sent postpaid to any address in the world on receipt of amount.

No. 3343. Knock-Out Boxers, Price postpaid .....85 cents

MILLERS FALLS

THE NEW ROGERS SAW

FIG 791

With each machine we give 12 Saw Blades, Wrench, Sheet of Designs and Three Drill Points. The Saw alone weighs 25 pounds, Saw and Box together 42 pounds.

No.
1 Rogers Saw..... Each $3.50
2 " " with Balance of Emery instead of Iron and with Tilting Table Nickeled instead of Japanned .....Each 4.00

BRACKET SETS

FIG. 793

No. **1** Pleasure and Profit Set, Frame Rough Nickeled, with Japanned Handle, Box same size and same contents as No. 2. Per dozen..... ..... $10.00

No. **2** These Sets are packed in Paper Boxes, and embrace a Spring Steel Saw Frame, Polished and Nickel Plated, 5 x 12 inches, having Patent Clamps for holding the Saw Blades and Rosewood Handle, three Sheets of Designs, embracing a great variety of fancy and useful articles, twelve Saw Blades, one Awl, one Sheet of Impression Paper.
Per dozen..... $15.00

GOODELL LATHE AND SAW ATTACHMENTS

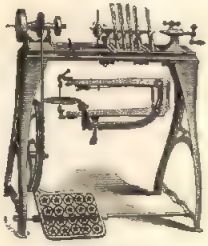


FIG. 792

Provided with a long and short Tool Rest, five Turning Tools, Wrench, Drill Points, etc., etc. Swing of Lathe, 5 inches. Length of Bed, 24 inches. Distance between Centers, 13¼ inches.

The Scroll Sawing Attachment, as shown in the cut, is secured to the Lathe Bed by one Bolt, and can be put on or off at pleasure. This Attachment has all of the improvements found in any of our Scroll Saws.

The Circular Saw Attachment consists of a Saw Table 6 x 7 inches, a Saw 3 inches in diameter and a Saw Arbor. The Lathe Rest Socket is used to support the Table.

	Each.
Lathe and Lathe Tools..	$10.00
Scroll Saw Attachment	1.50
Circular Saw Attachment.....	1.00

In ordering, please state whether either or both of the Saw Attachments are wanted.

STAR BRACKET SAW BLADES.

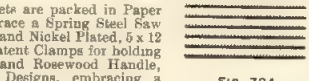


FIG. 794

No.	Per gross.
000 to 6..... ..	$1.00
7..... ..	1 10
8.	1 20
9 . ..	1.30
10..	1.40
11..	1.50
12..... ...	1.60

One gross each size in a package and 10 gross in a Box. Also in grosses, assorted No. **1-6**, and 10 gross in a Box.

A REAL NOVELTY FOR BOYS

THE SPORTSTIMER WATCH

A Reliable Timepiece Combined With A Stop Watch

Just the thing for timing races and sport of all kinds.

The SPORTSTIMER is made by the famous New Haven Clock Company here in the U. S. A., whose guarantee covers this excellent novelty watch, and which will be highly prized by every boy. It combines an ordinary Watch with a Stop-Watch.

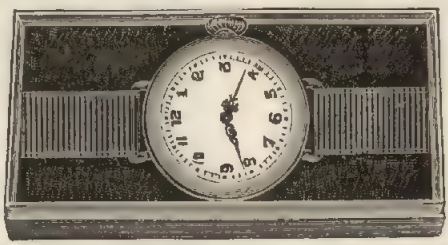
In order to use it as a Stop-Watch, all you have to do is to touch the slide on the upper left hand edge of the watch case, as shown in the illustration, and it will then time a race, a game or an interesting part of any game that is in progress, or any other event that you may wish to accurately time. Another touch of the slide and it is on the job again as a Watch. You will find this a wonderful novelty, as you not only have a most reliable and dependable timepiece that alone is worth the small sum asked, but you have an accurate Stop-Watch to use as a timer for Football, Basketball, Hockey games and at all games or races that are regulated by time. Besides it is interesting to note the number of minutes or seconds that some exciting event takes, and after you have used it a short time, you will be surprised at the amount of enjoyment a Stop-Watch will give you. Get one and you will be the envy of every other kid in the neighborhood. The case is well nickle plated, and the handsome dial in colors adds not a little to its attractiveness. As already stated, this is not a cheap imported watch. It is an American made watch that is positively guaranteed to keep accurate time and to give you every satisfaction, both as a timepiece and as a Stop-Watch.

No. 8016. THE SPORTSTIMER WATCH. Price, Postpaid..... $2.50

Ladies' Ribbon Bracelet Watch

Your Choice of Nickel or Gunmetal Case, only

$3.95



WATCHES worn on the wrist have become immensely popular and are very fashionable. You see everybody wearing them. We can confidently recommend this handsome Ribbon Bracelet Watch to our lady friends as one of the greatest bargains of the day. For neatness, accuracy and durability it is the equal of watches costing many times its price. It is stem wind and stem set, 10½ ligne round case, snap back and bezel, fitted with a Swiss cylinder movement. You can have your choice of two styles of cases, nickel or gunmetal. The nickel case is highly burnished silver nickel and has the appearance of a solid silver watch. Some prefer the gunmetal.

We can also furnish the same watch with pretty mother-of-pearl case, the price of the latter being $5.95 postpaid. This makes a most elegant watch, that you will be proud to wear. Each watch comes complete with pretty ribbon, in a handsome box, fully guaranteed.

No. 8017. LADIES' RIBBON BRACELET WATCH (Nickel or Gunmetal). Price.....$3.95
No. 8018. LADIES' RIBBON BRACELET WATCH (Mother-of-Pearl Case). Price.....$5.95

THE FAMOUS

Cuckoo Clock

A RELIABLE TIME-KEEPER **AN ORNAMENT TO ANY ROOM**

VERY QUAINT AND PRETTY

BEST VALUE IN CUCKOO CLOCKS OBTAINABLE

Makes an Elegant and Unique Present

Having made a special arrangement with a noted maker of these favorite Cuckoo Clocks, we are able to offer our customers a great bargain. Inferior Cuckoo Clocks resembling ours in appearance are on sale in Chicago much higher than we are asking. Ask your watchmaker whether he can sell you a similar clock for double the money. Those who can remember the old chain and weight clocks, that were the ever-reliable timekeepers for their grandfathers and great-grandfathers, will appreciate the value of one of these genuine Cuckoo Clocks. It can be depended upon to keep the most accurate time in all weathers, never varying a minute; it will require no attention or repair year after year; merely pull up the weights once a day, that can be done in a moment, and it will run for a generation. There is no spring to break, nor is there any danger of over-winding. Every watchmaker will tell you that a spring cannot equal the regularity of the tension of suspended weights, which never vary. The woodwork is dark with bright metal embellishments, and the hands and figures are white, so that the time is easily seen. At the hours and half-hours the little door above the dial flies open, the cuckoo appears and, opening its beak and fluttering its wings, cuckoos the time, which is also sounded, if desired, on a sweet-toned gong. The little bird retires directly it has cuckooed and the the door closes smartly. This performance is a source of keen delight to the children, who are never tired of watching for the cuckoo to make its appearance, indeed older members of the household often take an equal interest in the movements of the pretty little bird. The Clocks come in several designs, but they are all so alike in appearance and the changes of such a minor nature, that our illustration may be relied upon as showing the salient features of these truly handsome Clocks. We pack the clock very carefully and forward it to any address, carriage paid. You should not miss this opportunity of securing a Really Handsome and Interesting Clock, guaranteed a perfect timekeeper, at this remarkably low price.

No. 9136. The Famous Cuckoo Clock. Price postpaid to any address..... $10.00

SHY PAT: "Say, Biddy darlint."
BIDDY: "Well?" SHY PAT: "Do ye think yer mother would have any objection to being my mother-in-law?"

12 Complete Disguises For 50 Cents

A New Series of Nu Face Masks

Great Fun Makers at Masquerade Balls, Dinner Parties, Cotillions, Dances, Halloween Outings and Other Occasions

COMPLETE AND STARTLING DISGUISES

The Nu Face Masks are quite different from anything you have ever seen. There are 12 different characters in truly NATURAL Colors. Each Mask produces a COMPLETE AND STARTLING DISGUISE that scarcely seems possible. The Masks will FIT ANY FACE, whether large or small. It makes no difference. The ears are made so that they fit over the ears of the wearer just like spectacles, so that the Mask can be slipped on and off in a moment. There are NO STRINGS to bother with, the Masks are COOL and COMFORTABLE, there is no PERSPIRING, NO STUFFY BREATHING, and NO BREAKAGE. They can be carried in the coat-pocket. "Nu-Faces" are GREAT FUN MAKERS at Masquerade Balls, Halloween, Dinner Parties, Cotillions, Dances, Outings and all festive occasions. A very desirable feature in connection with these Nu Face Masks is that male and female Characters are given, that will be found just the thing for plays, sketches, dialogues and amateur theatricals. Altogether there are twelve Masks, all different, in the set, and thus for the small sum of 50 cents you get no less than TWELVE COMPLETE DISGUISES, or less than 5 cents for each Mask. Please note that we sell these Masks only by the complete set. We do not sell any Mask singly nor break the set.

No. 4612. COMPLETE SET of 12 NU FACE MASKS. PRICE POSTPAID.....50c

THE SMALLEST "ONE TUBE" RECEIVING SET

CAUSES GREAT FUN BUT NOT OBJECTIONABLE

EVERYONE WILL WANT TO SEE IT

The contents of this innocent little box is left to your imagination. The girls think it funny; the old maids think it horrid, you'll think it the best joke you ever saw.

We will suffice by saying that it is a most innocent little fun maker and that it will afford you no end of amusement. It is no larger than an ordinary watch and can easily be carried in the vest pocket.

No. 2036. The Smallest One Tube Receiving Set. Price.....15c
Or Three for 40 Cents; $1.35 per dozen postpaid.

BURNT CORK

For negro and minstrel make up. This Burnt Cork is all ready for use, and has only to be rubbed on the face. If the person has whiskers on the face, it is best to blacken these first by using Mascaro with a toothbrush, blackening the skin underneath the hair at the same time. If you desire to have the eyes large and brilliant, leave a little edge of the white skin to show around the eyes. If a grotesque or large mouth is desired, do not apply the cork for the space you wish to leave for the mouth, and when the cork is dry paint the mouth with red grease paint and draw with black grease paint a line from the corner of the mouth to meet the black on the cheeks. This will make the mouth look large and broad. Blacken the outside of the hands only, for the inside of a negro's hand is nearly white. For an aged negro, line the face with white grease paint when the black is dry, then whiten the eyebrows and whiskers with white grease paint. A light-colored negro can be made by applying our No. 20 grease paint. Then blacken the eyebrows, and draw a black line around the eyes close to the eyelashes to make the eyes look black. The whole will come off very readily by using common laundry soap and a sponge with hot or cold water. Better still use Theatrical Cold Cream and it will come off easier, besides leaving the face soft and smooth.

No.7013.BURNT CORK. PRICE. Postpaid **25c**

SPIRIT GUM

Used for pasting beards and moustaches on the face. Admits of moving the face as much as desired without disturbing. Cannot come off no matter how much you perspire. It is applied to the face, giving it three coats, and then the whiskers are stuck to the gum. Easily removed with Theatrical Cold Cream, which is rubbed into the gum until it is loosened; then allow it to remain on the face for two or three minutes, when you can wipe it off clean with cloth.

No. 7011. SPIRIT GUM. PRICE, Postpaid **15c**

BLACK WAX

Black Wax is used for blocking out the teeth. The wax is worked soft with fingers and pressed to the desired teeth. It is always ready for instant use and easily adheres to the teeth, giving the appearance of missing teeth. Easily removed in a moment. No. 7007 BLACK WAX. Price.... **15c**

NOSE PUTTY

Used to build out the nose or chin in any shape. It is moulded with the fingers in the shape desired, placed on the face where you wish to build, then the edge is worked off to nothing with the fingers, after which the putty is painted with flesh color grease paint. The putty easily sticks to the face. You can also make warts on the face and stick in hairs. Will not fall off when perspiring. No. 7008. NOSE PUTTY, Price **15c**

LINING PENCILS

Used in lining the face in "making-up" for characters, or to show wrinkles. Black, Brown, Grey, Crimson, White, and Flesh Colors. No.7009.LINING Pencils. Price.. **15c**

RUBY LINE LIP STICK

In aluminum tubes. Two shades, dark and light, for tinting the lips. For use on or off the stage. No. 7010. LIP STICK. Price **15c**

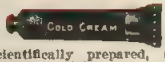
EYEBROW PENCILS

Used to strengthen weak appearance of the brows and lashes, which, if weak, give a blank appearance to the face. In the following colors: Black, dark brown, light brown, light blue, dark blue and blonde. 15 cts.

THE ART OF MAKING UP

Whatever is worth doing at all is worth doing well. A perfect make-up will gain the sympathy and attention of the audience from the start, while weeks of study and preparation will be ruined by a poor appearance. This book explains the art of "making-up" in very plain and simple everyday language. All about grease paints and various other paraphernalia and how to use them to the best advantage; complete directions for making-up numerous characters; lining the eyes; altering the nose, hair, teeth; hints on negro characters; juvenile make-up, etc., etc., with many hints and suggestions. Parents should encourage their children in these innocent, but very instructive entertainments and pleasures. Who knows but that there may be great talent in your boys and girls. Give them a chance to make their mark in the world, for they may have more talent than some of the leading performers to make their fortunes in a very short time on the stage. Price, 20c., postpaid.

THEATRICAL COLD CREAM

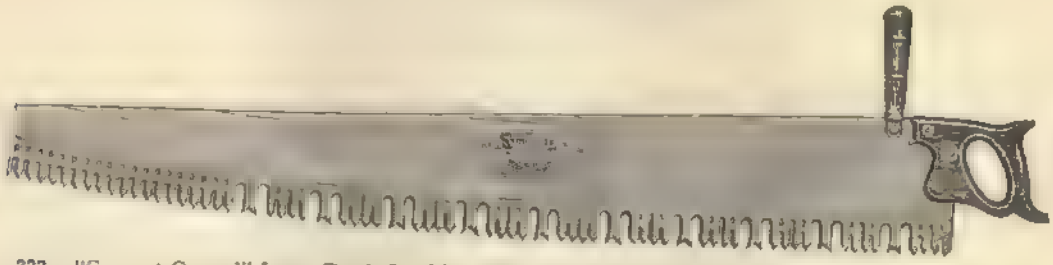


Scientifically prepared, used to remove spirit gum, grease paints, burnt cork, and all stage make-ups, leaving the face soft and pleasant. Exceptionally good for toilet use, and beneficial to the skin. Guaranteed not to become rancid, and to stay sweet and fresh. Price, 30 cents, postpaid.

MASCARO

Used to color hair, eyebrows, mustache, or whiskers, to match wig, etc. Not a chemical dye. Effect is only temporary. Is in form of small cake, applied with wet brush over hair or eyebrows to which it imparts the desired shade. Readily washes away with soap and water. Six shades—Black, Brown, Blonde, Red, White and Grey. No. 7012. MASCARO. Price postpaid. **35c**

SIMONDS ONE MAN CROSS-CUT SAWS

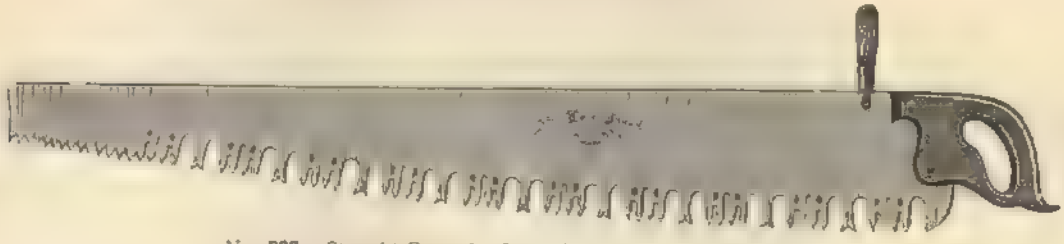


No. **223.** "Crescent Ground" Lance Tooth One Man Saw. Accurately tapered from cutting edge to back. An even gauge all along the tooth edge. It cuts easy and saws fast. Double-horn handle with large opening, enabling operator to use mitten or glove in winter. Fully warranted.

Length, Feet	3	3½	4
Each, List	$ 7 37	$ 8 47	$ 9 46

Each

ONE MAN CROSS-CUT SAWS

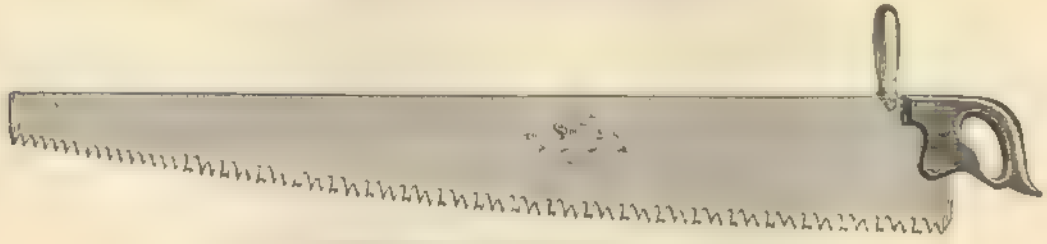


No. **222.** Straight Ground. Lance Tooth

Length, Feet	3	3½	4
Each, List	$ 5.61	$ 6 38	$ 7 15

Each

ONE MAN CROSS-CUT SAWS



No **111.** Straight Ground Tutt's Tooth

Length, Feet	3'	4	4½	5
Each, List	$ 5 06	$ 5 72	$ 6 38	$ 7 01	$ 7 81

Each

SIMONDS SAW TOOLS

This tool was designed for the use of lumbermen and is appreciated by all users of cross-cut saws. It is light and convenient to carry in the pocket or to use in the woods.

Set includes, Jointer with Tooth Raker Gauge, Set Gauge, Side Filer and Setting Block.

No. **82.** Per Dozen Sets, List $16 72

Per Dozen Sets.....
One Set in a Box

SIMONDS CRESCENT SAW TOOLS

A combination set of tools that will perform all of the operations necessary to keep cross cut saws in perfect condition. For quick accurate work in jointing the saw, filing or cleaning teeth, setting the teeth and regulating the set

Set includes, Jointer, Raker, Setting Stake and Setting Gauge.

No **340.** Per Dozen Sets List $26 40

Per Dozen Sets
One Set in a Box

NEW PUZZLE BASKET BANK

A VERY HANDSOME BANK AND A PUZZLE COMBINED

Impossible to open unless you know the Secret.

Very Artistic Design. Handsomely Nickel Plated.

THIS Money Box is, indeed, a genuine work of art. It is so exceedingly well made and handsomely finished that it is scarcely possible to imagine it can be excelled. The design is an artistic miniature reproduction of a bushel basket filled with fruits, emblematic of the generous manner of good things possible to those who save early in life. It will hold ANY SIZE COINS up to one inch in diameter (nickels, dimes, pennies, quarters), currency, etc. The bank is most ingeniously constructed, and CANNOT BE OPENED BY ANYONE NOT ACQUAINTED WITH THE SECRET. It is really a Bank and a Puzzle combined. You can defy anyone to open it, yet you yourself can open and close it in a few seconds. We have never yet known of anyone discovering the trick of opening and closing the Bank without the aid of directions. So cleverly is the bank constructed that it seems almost impossible that it can be opened. The Bank stands 2½ inches high, having a diameter of 3½ inches, and it will hold a surprisingly large number of coins. The exquisitely dainty appearance and solid construction of this bank appeals to every child and parent. The Bank is quite heavy, weighing one and a quarter pounds, which will give some idea of its substantial construction. It will accommodate Foreign Coins as well as American.

No. 2577. New Puzzle Basket Bank. Price Postpaid..... $1.50

Or 2 banks sent by prepaid parcel post for $2.50

Automatic Dime Bank

ENCOURAGE THE YOUNGSTERS TO SAVE.

NO EXTRA CHARGE FOR POSTAGE.

Another good and useful Automatic Savings Bank. All on the one principle. This one holds 50 Dimes ($5), and opens of its own accord when the last Coin has been deposited. Registered scale at the side with holes enabling you to see at a glance how much money the Bank contains at any time.

No. 2586 Automatic Dime Bank. Price... .15

3 for 40c or $1.35 per doz. postpaid

The Magic "Surplus" Bank

Automatic Nickel Bank

Opens only when full.

These splendid little Banks teach young and old to save. They will hold 25 Nickels, and CANNOT BE OPENED UNTIL THE LAST COIN HAS BEEN INSERTED, when the Bank opens AUTOMATICALLY, and you then start afresh. Very nicely made and finished.

No. 2585 Automatic Nickel Bank. Price.. .15

3 for 40c or $1.35 per doz. postpaid

OUR FAMOUS

RAILROAD WATCHES

21 GENUINE JEWELS TIME BALL MOVEMENTS

MAGNIFICENT TIMEKEEPER 3 YEARS GUARANTEE

No. 8010 $10.50 **No. 8011 $10.50**

We have had such a tremendous success with this Watch in the past that we have been able to give a contract to the maker for ten times as many as in previous years. We have thus been enabled to offer them to our customers at a much lower price than would otherwise be the case.

The size is full 18-size, open face, screw bezel and back, antique bow, Pendant Set, with Time Ball genuine 21 jewel full plate railroad model movement that is fully guaranteed for three years. The Case is extra heavy gold plated, andyou can have your choice of either design illustrated—Locomotive or Stag. PRICE $10.50, postpaid, with three years guarantee.

SEE THE TIME IN THE DARK

WITH THIS

LUMINOUS WATCH

EXCELLENT TIMEKEEPER

ONLY **$1.75** Postpaid

This Watch has a high-class, well finished lever movement. It is a thoroughly reliable timekeeper, and a fine, handsome watch. The Luminous Property is guaranteed to be practically everlasting, and it will SHINE BRILLIANTLY AT NIGHT, enabling you to tell the time on the darkest of nights without the necessity of any other form of light. The advantage of such a watch is well recognized, but the one we offer is probably the cheapest reliable Luminous Watch to be had. The Stem Wind and the arrangements for setting the hands and regulating the Lever Escapement are of the most modern and approved description. It has a nickel plated case, and the dial is protected by an extra strong crystal. A twelve months' guarantee is given with each watch, and at the very low price, we are confident many of our customers will take advantage of this most remarkable offer before our stock is exhausted. You should order at once.

No. 8008. THE RADIANT LUMINOUS WATCH. Price, Postpaid..... $1.75

THE LOCOMOTIVE WATCH

A Remarkably Handsome and Interesting Watch

A REMARKABLE TIMEKEEPER

Very Attractive Dial **Well Made and Finely Adjusted**

A Marvel at The Price

PRICE ONLY $1.95

The Locomotive Watch shown in the accompanying diagram is of regular 16 size, and is GUARANTEED A PERFECT TIMEKEEPER. The cases are made from a special alloy of nickel, silver and other expensive metals, producing strength and durability, with the property of never losing its close resemblance to sterling silver. Most elegant embossing in a beautiful shield design embellishes the case, giving the watch an appearance of richness difficult to imagine at the wonderfully low price for which it is sold. The face is protected by a heavy crystal, almost unbreakable. The watch is STEM WIND and SET, possessing the most modern appliances for setting and regulating, which are so simple as to be mastered by anyone. For time-keeping qualities, no watch costing ten times the price can excel it. The appropriate name "Locomotive Watch," has been given to these watches on account of the beautiful colored engraving that appears on the dial, and, as the figures are in Arabic in round panels on colored tinted background in circle all round the dial, and the hands are of special blued steel, you can readily appreciate what a handsome watch it really is, and we assure you the illustration does not do it justice. The manufacturers themselves give a twelve months' guarantee, but we are so satisfied with the timekeeping qualities of this watch that we will personally give a written guarantee for TWO years.

Having effected a contract with the makers we have decided to sell it at ONLY $1.95 POSTPAID, and securely packed. We sell the LOCOMOTIVE WATCH at this low price in order to introduce other goods, for we invariably find our customers are so pleased with such a bargain that we secure their patronage for other merchandise.

No. 8003. THE LOCOMOTIVE WATCH. Price, Postpaid.....$1.95

Expanding Bracelet Watches

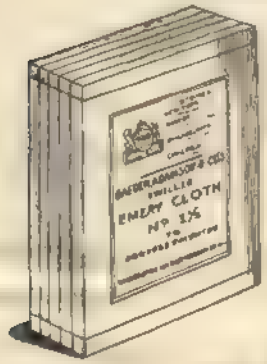
$4.95
$6.95

This particular style of Expanding Bracelet Watch we stock in two grades. No. 8019 has genuine 20 years' guarantee Gold Filled Case and Bracelet, warranted to wear equal to solid gold. No. 8020 is electro gold plated (10 1/2 ligne), which while cheaper and not equal to Gold filled, will wear splendidly and give you every satisfaction. Both are exceedingly handsome in appearance. The illustration gives but a faint idea how pretty they really look. They are fully guaranteed for 2 1/2 years, and with ordinary care should last a lifetime. They have model Swiss movements and keep PERFECT TIME. They are really beautiful specimens of the jeweler's art.

No. 8019. Gold Filled 20-year Guaranteed Case and Bracelet, Price postpaid $6.95
No. 8020. Electro Gold Plated Case and Bracelet, Price postpaid..... 4.95

"Bill's face is quite wrinkled." "Sign of Care."
"And his clothes are wrinkled too." "Sign of don't care.'

EMERY PAPER



Emery Paper in Sheets

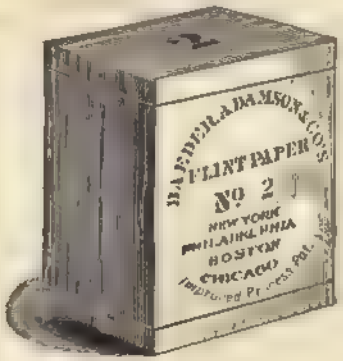
Nos.	Per Ream List	Per Ream	Per Quire List	Per Quire
00	18 70		97	
0	18 70		97	
½	20 20		1 03	
1	22 21		1 17	
1½	25 13		1 32	
2	29 37		1 52	
2½	33 66		1 73	
3	38 35		1 96	

EMERY CLOTH

Emery Cloth in Sheets

Nos.	Per Ream List	Per Ream	Per Quire List	Per Quire
00	62.70		3 19	
0	62.70		3 19	
½	65 21		3 30	
1	68 42		3 52	
1½	71 68		3 64	

FLINT PAPER



Flint Paper in Sheets

Nos.	Per Ream List	Per Ream	Per Quire List	Per Quire
00	$11 88		$0 62	
0	11 88		62	
½	12 58		66	
1	14 26		75	
1½	16 19		88	
2	19 25		1 01	
2½	22 09		1 14	
3	25 19		1 32	

TOILET PAPER

Onyx

Finest Pure Linen Crepe, 6 Ounce Rolls

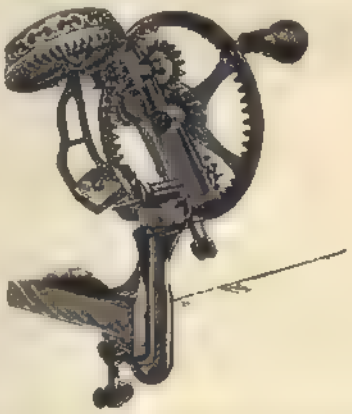
Per Dozen Rolls List	$1 38
Per Dozen Rolls	
Per Case (100 Rolls) List	11 55
Per Case (100 Rolls)	

Mars

Crepe Tissue, 4 Ounce Rolls

Per Dozen Rolls List	1 06
Per Dozen Rolls	
Per Case (100 Rolls) List	7.70
Per Case (100 Rolls)	

APPLE PARERS



No. **78.** Reading. Cast iron frame, 6½ inch gear wheel, automatic push off, curved paring blade, clamps to table.

Per Dozen List	$24 20
Per Dozen	

One Dozen in a Carton, One Dozen in a Box

CLOTHES PINS

Finished Hardwood

Per Box List	$2 75
Per Box	

In Cartons Containing 24 Pins, 24 Cartons in a Box

INDIA POCKET STONE

One of the best all around sharpeners for all sorts of small tools around the home, office and workshop. It is made of selected material and gives a sharp, keen edge.

Packed in display stands containing one dozen stones

No. 61. Size 3½x1 ⅜ Inches

Per Dozen List..... $3 30

Per Dozen...

VISES

With Swivel Base

With Swivel Base, while used on the bench the Vise proper can be quickly detached from base, and without removing work from Vise, can be used on Bench Drill, etc., and returned to base again.

This is a new feature in Vises, and one that will be quickly appreciated by the best mechanics where work can be held rigidly in the Vise and while so held be worked on by either hand or machine.

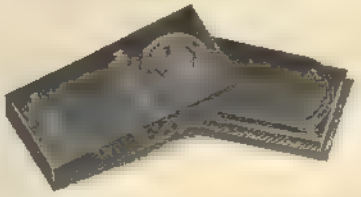
The Vise proper has body and sliding jaw of cast iron with hardened steel faces. It is accurately machined all over so it can be used on either side or end as well as on base in Drill Press, etc. A hardened steel block with V-shaped grooves is provided for holding round or irregular shaped work.

The upper part of swivel base has a taper part to receive corresponding end of Vise proper, and with set screw in one end to force tapers into position, thus clamping Vise and Base perfectly rigid.

No.	1991	1992	1993
Base, Length	2¾ in.	4⅞ in.	7 in.
Base, Width	1¼ "	2 "	2¾ "
Jaws, Opening...	1 "	1⅝ "	3½ "
Jaws, Depth.....	⅜ "	1¼ "	1½ "
Jaw Width	1¼ "	2 "	2¾ "
Swivel Base, Diameter	2½ "	3¾ "	4½ "
Height, Over All.....	3⅜ "	4⅛ "	5¾ "
Net Weight.....	2 lbs. 6 oz.	5 lbs. 7 oz.	13 lbs. 6 oz.
Each List.....	$6 05	$9 13	$14 85
Each			

Packed One in a Box

PIKE HANDIHONE



A hone for barbers but used with considerable satisfaction by the amateur. On account of its oval shape it fits the palm, making it, as its name implies, a Handihone.

It is made from high grade imported Corundum powder and gives excellent satisfaction when used dry. Size 4x2x½ inches.

Per Dozen List..... $6.60

Per Dozen...

One in a Box

VICTOR "JERSEY" VISES

The Screw (body, head and collar) is in one piece, turned from cold rolled steel, and has a square, lathe-cut thread. The steel jaws are hardened, and all jaws are ground to insure that they meet squarely when tightened. Both back and front jaws are filed to fit.

Clamp Base, Plain Iron Jaws, Japanned

Nos.	Width Jaw Inches	Weight Pounds	Each List	Each
741	1½	3	$2 20	
742	1¾	3¾	2 64	
743	2	4½	3 08	
744	2¼	5	3 74	
745	2½	7	4 29	
746	3	8¾	6 71	

ROCK ISLAND ANVIL VISE

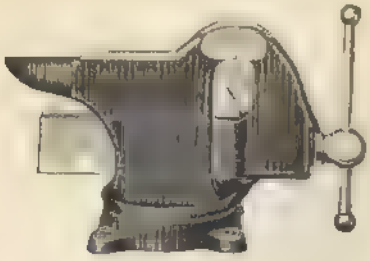
Anvil and Vise combined, with jaws for holding

This vise is intended only for light work. This is the best finished vise of this type on the market. Has steel screw with cut threads, steel nut, and cold rolled steel handle. Anvil and all finished parts polished and lacquered.

No	380
Width Jaw, Inches	3
Jaw Opening, Inches	5
Weight, Pounds	26
Each List	$4 40

Each.....

ROCK ISLAND AUTOVISE



Swivel Type

We call this the Autovise on account of its adaptability for all kinds of Automobile Repair work, although it is suitable for all kinds of work where a Machinist's Vise, Pipe Vise or Anvil is needed.

The Castings are Semi Steel, Screw and Handle are Cold Rolled Steel, the Jaws are Crucible Tool Steel, carefully hardened.

No.	241
Width Jaw, Inches	3½
Capacity Pipe, Inches	½ to 2½
Weight, Pounds	80
Each List	$30.80

Each

ROCK ISLAND AUTOVISE

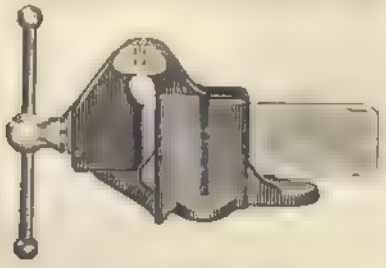
Stationary Type

There is nothing on the market so suitable for all kinds of repair work. It has regular vise jaws for all kinds of Machinist's work, pipe jaws for holding pipe and rods, and can also be used as an anvil

No.	231
Width Jaw, Inches	5
Capacity Pipe, Inches	⅛ to 1½
Weight, Pounds	32
Each List	$19.25

Each

DIAMOND STATIONARY VISE



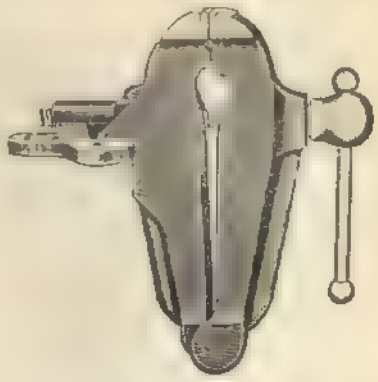
These vises are heavy, and the material is well distributed. All vital points are reinforced.

Casting is our special alloy; screw and handle, cold rolled steel; jaws, crucible cast tool steel, carefully hardened; nut, malleable iron.

No.	91	92	93
Width Jaw, Inches	3	3½	4
Opens, Inches	4	5	6
Weight, Pounds	22	28	42
Each List	$13.75	$15.40	$17.40

Each

RIMCO BLACKSMITHS' VISE

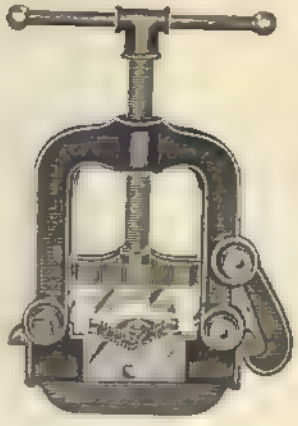


This vise is suitable for light blacksmith work, and many other places. A splendid vise for the farmer, contractor and others who occasionally have blacksmith work to do and need a vise of this type. Jaws are faced with steel, screw and handle are steel.

No.	[illegible]
Width Jaw, Inches	4
Weight, Pounds	43
Each List	$12.43

Each

ROCK ISLAND PIPE VISE



Self Locking Type

The [illegible] has lugs on both sides, so that the latch may hang on either side. The body and [illegible] are malleable. The screw and handle are cold rolled steel. The jaws are crucible cast tool steel.

No.	115
Pipe Capacity, Inches	½ to 2½
Each List	$6.16

Each

Romany Rings

REVERSIBLE TOP

FOR MEN

ROMANY MEN'S RINGS are massive, sturdy and bold. Each ring has a reversible top. Displaying either side of the top gives the effect of a different ring. ROMANY RINGS are really two rings in one. Yet they sell at single-ring cost.

Many ROMANY MEN'S RINGS have an interchangeable initial attachment. Any initial desired can be permanently placed on one side of the reversing top.

For value ROMANY RINGS are really unbeatable. They make the perfect gift to any man. Combining two rings in one they are not only beautiful to look at—but serve a useful purpose. Look over the rings shown on this page.

No. 112 $30.75
14kt Green Gold Mounting
Synthetic Ruby shown
Masonic Emblem inlaid in Blue Enamel on other side

No. 114—$33.00
14kt White Gold Mounting
Raised White Gold Initial on Genuine Black Onyx shown
Synthetic Ruby on other side

No. 118—$33.75
14kt Green Gold Mounting
Genuine Carved Intaglio Bloodstone shown
Raised White Gold Initial on Genuine Black Onyx on other side

No. 115 $32.25
14kt Green Gold Mounting
Raised Elk Emblem on engine turned background shown
Masonic Emblem inlaid in Blue Enamel on other side

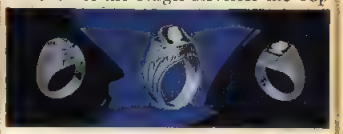
No. 116—$35.25
14k White Gold Mounting
Masonic Emblem inlaid in Blue Enamel shown
Genuine Black and White Cameo on other side

No. 113—$35.25
14kt Green Gold Mounting
Genuine Black and White Cameo shown
Raised White Gold Initial on Genuine Black Onyx on other side

No. 117 $30.75
14kt Green Gold Mounting
Raised White Gold Initial on Genuine Black Onyx shown
Masonic Emblem inlaid in Blue Enamel on other side

No. 119 $33.75
14kt White Gold Mounting
Genuine Sardonyx shown
Genuine Black and White Cameo on other side

A Touch of the Finger Reverses the Top



A slight pressure of the finger on the top of the ring will reverse these MEN'S ROMANY RINGS.

Those with initials are easily interchangeable.

All Romany Men's Rings are made with either White or Green Gold Mountings

Romany Rings

REVERSIBLE TOP

FOR **WOMEN**

Double Value . Double Beauty
Single Cost

Every ROMANY RING is two rings in one. Each ring has a reversible top either side of which, when displayed, gives the effect of a different ring. A touch of the finger turns the top over!

The workmanship, finish, and stones in ROMANY RINGS are of the finest quality. Every ring is guaranteed in every way. There is no bigger ring value on the market today.

No. 358 $18.75
14kt White Gold Mounting
Genuine Cornelian Cameo shown
Genuine Onyx with Diamond *on other side*

No. 625 $27.75
14kt White Gold Mounting
Genuine Cornelian Cameo with Diamond shown
Genuine Onyx with Diamond *on other side*

No. 623—$21.00
14kt White Gold Mounting
Genuine Cornelian Cameo shown
Genuine Onyx with Diamond *on other side*

No. 332 $21.00
14kt White Gold Mounting
Synthetic Ruby shown
Genuine Onyx with Diamond *on other side*

No. 697 $27.75
14kt White Gold Mounting
Genuine Cornelian Cameo with Diamond shown
Genuine Onyx with Diamond *on other side*

No. 693 $27.75
14kt White Gold Mounting
Synthetic Ruby with Diamond shown
Genuine Onyx with Diamond *on other side*

No. 431—$28.50
14kt White Gold Mounting
Genuine Onyx with Diamond and raised Eastern Star shown
Genuine Black and White Cameo *on other side*

No. 750—$23.25
14kt White Gold Mounting
Genuine Crystal with Diamond shown
Genuine Carnelian Cameo *on other side*

No. 752—$20.25
14kt White Gold Mounting
Genuine Carnelian Cameo shown
Genuine Onyx with Diamond *on other side*

No. 739—$27.75
14kt White Gold Mounting
Genuine Cornelian Cameo with Diamond shown
Genuine Onyx with Diamond *on other side*

No. 659 $18.75
14kt White Gold Mounting
Crystalite Emerald shown
Genuine Onyx with Diamond *on other side*

No. 328 $24.75
14kt White Gold Mounting
Genuine Opal shown
Genuine Onyx with Diamond *on other side*

No. 466 $24.00
14kt White Gold Mounting
Genuine Black and White Cameo shown
Genuine Onyx with Diamond *on other side*

No. 754 $12.75
14kt White Gold Mounting
Synthetic Ruby shown
Genuine Cornelian Cameo *on other side*

No. 645—$21.75
14kt White Gold Mounting
Synthetic Ruby shown
Genuine Onyx with Diamond *on other side*

No. 451 $20.25
14kt White Gold Mounting
Genuine Cornelian Cameo shown
Genuine Onyx with Diamond *on other side*

No. 340 $22.50
14kt White Gold Mounting
Genuine Amethyst shown
Genuine Onyx with Diamond *on other side*

No. 440—$27.00
14kt White Gold Mounting
Synthetic Blue Sapphire shown
Genuine Onyx with Diamond *on other side*

No. 341—$22.50
14k White Gold Mounting
Genuine Topaz shown
Genuine Onyx with Diamond *on other side*

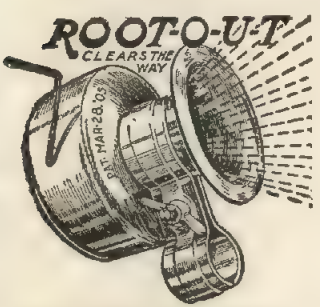
No. 641 $17.25
14kt White Gold Mounting
Genuine Cornelian Cameo shown
Synthetic Ruby *on other side*

No. 454—$30.75
14kt White Gold Mounting
Genuine Aquamarine shown
Genuine Onyx with Diamond *on other side*

No. 313 $24.75
14kt White Gold Mounting
Genuine Onyx with Diamond shown
Genuine Garnet *on other side*

All diamonds mounted in Romany Rings are brilliant, snappy, sparkling stones

A PAGE FOR THE CYCLIST



"Root-O-u-t" Bicycle Horn

Here is the latest type of bicycle horn. Operates on the same principle as the electric horn. A turn of the crank gives a loud, piercing sound that clears the way. Complete with adjustable clamp for attaching to handlebar or frame. PRICE, each, 30 cents, post-free

No. 4145. Root-out-Bicycle Horn 30c

3 for 75c, 1 doz. for $2.70 postpaid

Wind Propellers

Only 25c

Wind Propellers are quite the newest novelty out, and are now as popular as Pennants with cyclists and motorists. It is constructed of metal formed in the shape of a three-blade propeller wheel fluted, which revolves at a high rate of speed as you go riding along. The propeller wheels are finished in purple, green and red, presenting a very pretty appearance, and making you the attraction and admiration of all. It can be attached to the handlebar, or stem of handlebar. PRICE 25 cents, postage paid.

No. 4146. Wind Propeller, price.....25c

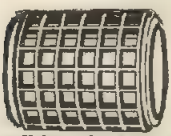
3 for 65c, 1 doz. for $2.25 postpaid

Daisy Rubber Band Repair Outfit

A complete rubber band outfit for single tube tires, including cement, bands, tool, emery cloth and directions.

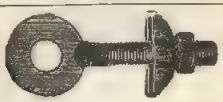
No. 4141. Rubber Band Outfit....25 cents

Rubber Frame Protectors



A steel spring embedded in rubber clamps the protector tightly to the frame, thus preventing the handlebars from marring the enamel on the bicycle frame when coming into contact.

No. 4143. Rubber Frame Protectors....15c

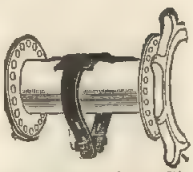


CHAIN ADJUSTERS.

Should be on every Bicycle. Keep the chain in proper position by holding wheel back.

No. 4142. Chain Adjusters, each. 10c

HUB STRAPS



For keeping the hubs clean and bright. Hitherto it has been quite a tiresome task to keep the hubs free from dirt, and you often get your fingers "jambed" and your hands and coat sleeves dirty when cleaning them by the old way. If you buy one of these HUB STRAPS it will do the work automatically for you while you ride. There is a little lead weight at the bottom which keeps it from revolving with the hub, consequently your hub is always kept highly polished. The PRICE for this most ingenious contrivance is ONLY

No. 4144. Hub Straps, each..... 10c

3 for 25c, 1 doz. for 75c postpaid.

Reflex Danger Signals for Bicycles

This is an ingenious little contrivance with which all bicycle riders are familiar. It is designed to prevent your being run down from the rear. It consists of a large, deep ruby red jewel, with mirrored back, encased in a nickel plated steel frame, and fitted with bracket for attaching to bicycle rear stay, or the bracket can be moved and the Danger Signal bolted to the rear mudguard. The jewel is cut with 21 facets like a diamond, and when a light strikes on any of these facets, the result is a strong red reflection that serves all the purposes of a rear light on a bicycle or motor cycle. It fastens securely on to the bicycle and will not get loose and rattle. It is an economical substitute for tail lights, especially recommended for all cyclists. The least bit of light striking the Signal will make it sparkle and throw out very brilliant rays. At the very low price asked it is surely cheap protection that you cannot afford to be without.

No. 4147. Reflex Danger Signal Price 25c

BIG ENTERTAINER

314 Jokes and Riddles. 21 Magic Tricks and Games. 12 Toasts. 15 Tricks with Cards. 60 Money Making Secrets. 10 Funny Readings. 6 Monologues. 24 Parlor Amusements. 3 Comic Recitations. Checkers and Dominoes. For and Genuine 9 Men Morris. All for 10 Cts. 3 for 20 Cts. Postpaid. Address

No. 1029. Big Entertainer, Price.....10c

Comical Trick Cards

MOST MYSTERIOUS CHANGES

You show four ordinary-looking cards, close them up, ask one of the audience to breathe on them, and immediately you show the cards again with grotesque pictures of various animals. Very easily done, but it mystifies everybody.

No. 3120. Comical Trick Cards Price.....10 cents

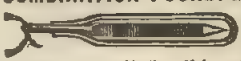
MAGNETIC TOP

Most Interesting Toy for both Children and Grown-up

This is one of the very cleverest Tops that has ever been invented. The peg is of **magnetized steel,** and the two accessories that are given with the Top (Spiral Snake and Spoon) have only to be placed beside the point of the peg to go through most **surprising evolutions.** The top spins for a long time, and the different articles dart backwards and forwards and move in and out as if they were alive.

No. 3452. Magnetic Top, price....10 cents 3 for 25 cents, 75 cents per doz.

COMBINATION POCKET MANICURER



The neatest little instrument ever invented for the care of the nails. Made of steel, finely nickel plated. Has a combination self-sharpening trimmer and file. Only 2 3-4 in. long when closed. Just the thing for people who are particular about the care of their hands. Price 25c postpaid

Ventriloquists Double Throat

This Ventriliphone is a most Wonderful Invention. Fits roof of mouth. Greatest thing yet. ASTONISH and MYSTIFY your friends. Imitate **PUNCH & JUDY**, neigh like a Horse, Sing like a Canary, or Imitate any **BIRD** or **BEAST** of field or forest. Price 10 CENTS, or 4 for 25c. Prepaid.

The Fighting Roosters

A full blooded pair of fighting game cocks

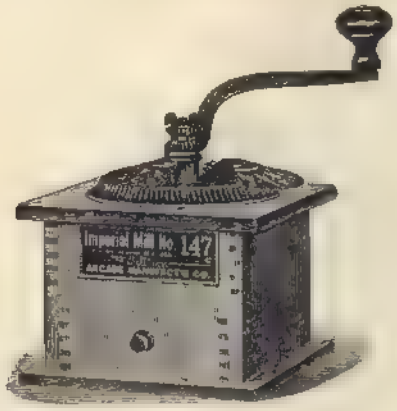
These Liliputian fighters have real feathers yellow legs and fiery red combs, their movements

when fighting are perfectly natural and life-like, and the secret of their movements is known only to the operator who can cause them to battle with each other as often and as long as desired. Independent of their fighting proclivities they make very pretty mantel ornaments

No. 3425. Fighting Roosters. Price 15c

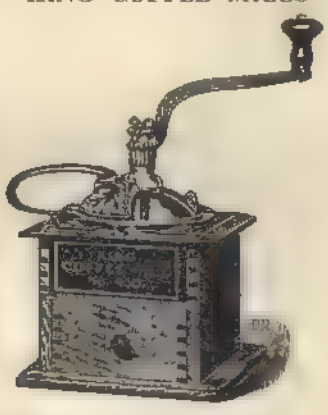
IMPERIAL COFFEE MILLS

No. **705.** Imperial. Bronzed iron sunk hopper. Dimensions 6x6x6¾ inches
Per Dozen List ... $23 43
Per Dozen . . . . . .
Half Dozen in a Box



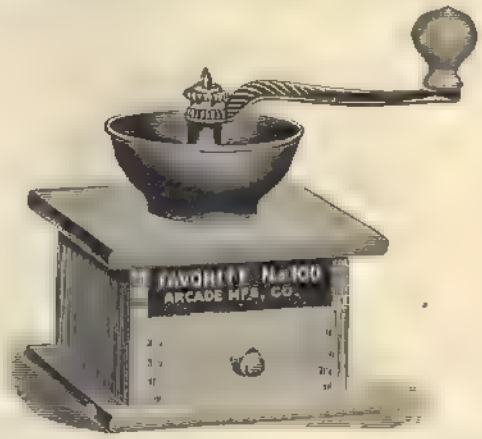
No. **147.** Imperial. Gold Bronzed iron sunk hopper. Dimensions 7x7x7 inches
Per Dozen List . . $22 66
Per Dozen . . . . . .
Half Dozen in a Box

KING COFFEE MILLS



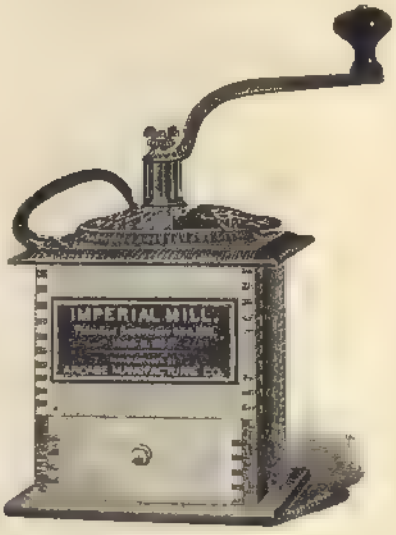
No **930.** King. Red gold lacquered iron sunk hopper. Dimensions 6x6x7 inches.
Per Dozen List . $20 90
Per Dozen . .
Half Dozen in a Box

FAVORITE COFFEE MILLS



No. **100.** Black Japanned iron hopper. Dimensions 5¾x5¼x 6¼ inches.
Per Dozen List $12 65
Per Dozen . . . .
Half Dozen in a Box

IMPERIAL COFFEE MILLS



No. **747.** Imperial. Bronzed iron sunk hopper. Holds one pound. Dimensions 7x7x10 inches.
Per Dozen List $27 28
Per Dozen . . . . . .
Half Dozen in a Box

SUN COFFEE MILLS

No. 1080. Hard wood box, varnished. Castings bronzed and lacquered. Holds one pound.

Per Dozen List..... $17.60

Per Dozen

Half Dozen in a Box

MOPS

Best Cotton Mop Yarn, Long Handles.

Ounces	12	14	16	18	20	22
Per Doz. List	$6 05	6.93	7.70	8 58	9.35	10 23
Per Dozen						

Ounces	24	28	30	32	34	36
Per Doz. List	11 00	12.54	13 31	14 08	14 96	15 73
Per Dozen						

Marine Mops

Fine cotton threads, long handles, for decks and tar roofing

Ounces	12	14	16	18	20
Per Dozen List.	$10 45	11 00	13 20	14 41	15 84
Per Dozen.					

All Mops Half Dozen in a Bundle

POLISHING MOPS

Liquid Veneer

Champion Junior Victory

Champion Liquid Veneer Mop is fitted with a swab which comes off like a curtain from a rod for washing. The steel frame will last a lifetime and will not bend or get out of shape. The Mop has a full yarn center with no metal to scratch the floors. The handle is 54 inches long and is adjustable to any position. Each Mop is packed in a beautiful lithographed can, 12 mops to the case, 12 handles to the case

Junior and Victory Mops have same features as the Champion but without the yarn center and somewhat smaller.

Name	Champion	Junior	Victory
Per Dozen List	$35.20	$26.40	$22.00
Per Dozen			

POLISHING MOPS

O-Cedar—Triangle

Heavy sheet metal center, 3-ply strand pure white cotton, fitted with bumper pad, 4½-foot adjustable, detachable handle.

No.	3 Regular	4 Small
Per Dozen List	$26 40	$17.60
Per Dozen		

Packed One in a Metal Can

LIQUID VENEER HAND MOP

Each packed in attractive carton, together with a one ounce bottle Liquid Veneer Mop Polish. Three dozen mops to corrugated box

Per Dozen List. $8.80

Per Dozen.

Take Pictures with—

The EXPO WATCH CAMERA

A camera that closely resembles a watch in size and appearance—takes pictures ¾ x ¾ inches as shown on margin. Easy to operate. It's a camera for both amateur and professional.

Surprise Your Friends

Take their picture in the act of doing some funny stunt. Next time you see them produce the print. You will have a lot of fun over their bewilderment and catching people in queer and awkward positions. Carry the EXPO about in your pocket—easily concealed in the palm of the hand—picture can be taken unobserved. Produces clear, sharp negatives, indoors or outdoors equal to any camera on the market.

Two Cents a Picture

The EXPO loads in daylight with a 20 exposure Film costing 35c. A whole day's outing picture taking can be had for less than two cents a picture. Films are also made in 10 exposures for 25c. Photos may be enlarged to any size. We have Automatic Enlargers specially made for the purpose, that may be had at any time.

Quick as a Flash

The EXPO takes pictures through the stem, where the rapid five lens is located. Equipped with a time and instantaneous shutter. Weighs but three ounces and is highly nickel-plated. Endorsed and in constant use by detectives, newspaper reporters, detectives and secret service. Important evidence can be secured with a camera of this kind. Sold here at popular guarantee. Delivered to any address in the world.

$3.85

For EXPO WATCH CAMERA ..... No. 2500 ..... 10 Cents extra
FILMS 10 Exposures No. 2503 25 Cents, 20 Exposures No. 2504, 35c.
LEATHER POCKET CARRYING CASE No. 2501 ..... 35 Cents.
VIEW FINDER ..... No. 2505 ..... 85 Cents

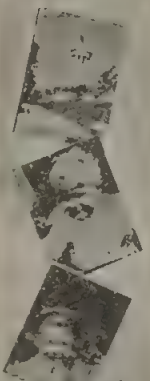
JOHNSON SMITH & COMPANY, RACINE, WIS.

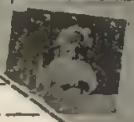
Please send me one EXPO WATCH CAMERA for which I enclose $3.85 and 10c to cover postage.

Name _____

Street Address _____

City _____





IS ALL THAT IT IS "STUCK-UP" TO BE

"I have taken some WONDERFUL PHOTOGRAPHS with the watch Camera. It is all that it is stuck up to be, and then some. Pictures that were taken in the house were as plain as if they had been taken in a photo gallery."—G. W. GAYLOR, Clearfield, Penna.

BETTER THAN HOPED FOR

"The Expo Camera I received from you proved to be FAR BETTER THAN I HAD HOPED FOR."—J. W. CRAIG, Tacoma, Wash.

VERY SATISFACTORY

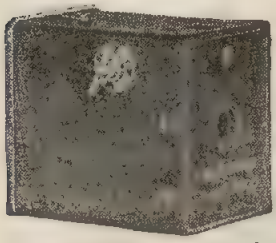
"Your Expo Watch Camera proved very satisfactory indeed."—A. HOWARD, Rochester, Ind.

VERY PLEASED

"Very pleased with Watch Camera. I might add that I took some of the same scenes that I enclose herewith, with a ——— Camera, also. The Watch Camera pictures came out perfectly, while these taken with the ——— were no good at all."—W. W. BARTON, Portland, Me.

NOW BOYS—HERE'S YOUR CHANCE!

GENUINE BINGO CAMERA FOR ONLY $1.55!



TAKES PICTURES 1⅝x2½

Daylight Loading **Automatic Shutter**

Excellent Meniscus Lens View Finder

Though this apparatus is so marvellously cheap, it is quite efficient, and just the thing for beginners in photography. It is not a toy, but a genuine **Bingo Camera,** made by the well-known Ansco Company, that can be depended upon to take good pictures, and to produce the very best and pleasing results. It takes a picture 1⅝x2½ inches, is fitted with the best quality **Meniscus Lens, an Automatic Shutter,** and **View Finder.** It uses the standard size roll film cartridge containing eight exposures, and this may be put in the camera and taken out in **broad daylight,** so that you don't have to go into a dark room every time you want to load the camera. Anybody can make good pictures with this camera. Being small and compact it is just the thing to carry with you to "snap" pictures of your friends, sports, etc., with. Sent by **Prepaid Parcel Post,** packed in a strong box, with book of instructions, on receipt of amount.

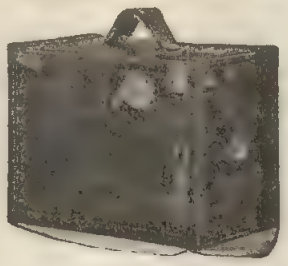
No. 2528. Bingo No. 0 Camera (Size of Picture 1⅝x2½). Price, Postpaid....$1.55
No. 2529. Roll Film Cartridge of 8 Exposures. Price.....$0.25

Here Are Two More of the Popular Bingo Cameras!

THESE TWO SIZES FOR 2¼x3¼ AND 2½x4¼ PICTURES

The Simplest Type of Camera to Operate. **Any Child Can Produce Good Pictures.**

No. 2 Bingo—$2.50



No. 2A Bingo—$4.00

This is a **Marvellously Cheap** Photographic Camera, manufactured by the famous Ansco Company. There are two sizes, the larger one taking pictures 2¼x4¼ and the smaller one 2¼x3¼ inches. They load in the daylight with Films of 6 Exposures each. Just open the back of the Camera, drop in the Roll film; arrange the picture with the horizontal or vertical View Finder, and press the Shutter Lever. Nothing could be simpler. As the Lens is of the fixed focus type, no focussing is necessary. The Lens is of the best quality Meniscus. The Shutter is Rotary Automatic, with diaphragm Stop for use under varying light conditions. The Shutter is arranged for Snapshots or for Time Exposures. There are two View Finders for use when taking horizontal or vertical pictures. With this Camera you can take wonderfully clear portraits of your friends as well as places of interest you may visit, and snapshots of curious occurrences.

No. 2524. BINGO NO. 2 CAMERA (Size of Pictures 2¼x3¼), Price.....$2.50
No. 2525. BINGO NO. 2A GOODWIN CAMERA (Pictures 2½x4¼), Price....$4.00
No. 2526. FILMS FOR NO. 2524 CAMERA (6 Exposures), Price.....$0.25
No. 2527. FILMS FOR NO. 2525 CAMERA (6 Exposures), Price.....$0.30

Pocket Moving Pictures

THE NATURASCOPE

or KINETOSCOPE

"Skirt Dancer" "Tom Cat Prize Fight" and "Lady Gymnast"

Here you have a "continuous performance" of the most lively character. The Vitascope is a remarkable invention, that by means of electricity and photography presents a series of pictures that give every move in a skirt dance a prize fight, or in any affair that is represented. It can only be exhibited on a large scale in halls or theatres, but another ingenious invention has taken such pictures, and, reducing them in size, has bound them together in such a form that any one by rapidly turning the leaves between thumb and fingers can produce the same life-like results, people moving and acting as if alive. These are the "Pocket Naturascopes." One of them shows the sensational Skirt Dance in 48 different positions, another the Tom Cat prize fight with gloves on. Every round is seen, and the pugilists spar, dodge and hit in the most lively manner. It is a real prize fight to the eye, and everybody will want to see it. The other "Naturascope" is termed the Lady Gymnast, and gives a most realistic series of views of a lady in tights performing on the swinging bar and placing herself in almost every conceivable position. As the leaves are turned rapidly the positions change, becoming very laughable and interesting, and will cause the greatest amusement to yourself and friends. The Naturascope can be readily carried in the pocket and any one can work them. Each one of the three Naturascopes above described, show the subjects in 48 different positions.

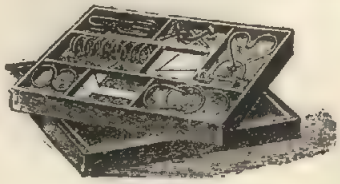
No. 3396. Naturoscope, price 10c

3 for 25 cents, 1 doz. for 75c postpaid.

Cabinets of Puzzles

TWO EXCELLENT ASSORTMENTS

8 and 15 Puzzles in a box complete with directions



No. 3023

No. 3024

Here are two of the finest Cabinets of Puzzles obtainable. One contains eight Puzzles and the other 15 Puzzles that you can slip in your pocket and while away dull moments, or to test the ingenuity of your friends. You should certainly get these brain-testers, and you need never have a single idle minute. Each assortment comes complete in a handsome box, with instructions for solving each puzzle.

No. 3023. Cabinet of 8 Puzzles.....$0.65

No. 3024. Cabinet of 15 Puzzles..... 1.00

PUZZLE DICE BARREL

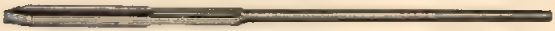
A nicely finished wooden Barrel containing two Dice. The puzzle is that nobody but yourself can open it. To make the trick more deceiving there are a couple of projections which have nothing to do with the solution of the puzzle. The Barrel is exceptionally strongly made, enamelled in yellow, red and black, and as an ornament is well worth the price, besides having a natty little Dice-cup and Dice.

No. 3168. Puzzle Barrel of Dice.... 50c

"I trust we shall make you feel quite at home," remarked the hotel manager. "Don't you try it," expostulated the married man. "I'm away for a good time."

STEEL BARS

WEDGE POINT CROW BAR—FIG. 1463

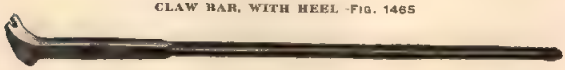


From 6 pounds up.

PINCH POINT CROW BAR—FIG. 1464

From 6 pounds up.

CLAW BAR, WITH HEEL—FIG. 1465



18 to 35 pounds.

SAND RAMMERS

SQUARE ROUND

FIG. 1468 FIG. 1469

SQUARE SAND RAMMERS Each
With Wood Handle, size, 6 inch. $1 50
" " " " 8 " 2 00

ROUND SAND RAMMERS
6¼ inch with Wood Handle 1.50
6¼ " " Tubular Iron " 1.80

COBBLE RAMMERS

FIG. 1466

Each $10.00

BELGIAN RAMMERS

FIG. 1467

Each $12.00

COBBLE PAVING HAMMERS

FIG. 1470

2¾ to 3 lbs .....Per dozen $42.00

BELGIAN PAVING HAMMERS

FIG. 1471

2⅞ to 3⅜ lbs. .....Per dozen $24.00

OLIVER GRUB HOES

FIG. 1456

Oval Eye No. 2
Per dozen $13.50

BRADLEY'S CRANBERRY OR BOG HOES

FIG. 1457

6½ in. cut..Per dozen $18.00

BRICK CHISELS

FIG. 1458

Solid Cast Steel, Assorted, 3⅝ and 4 inch.. .Per dozen $8.50

WOOD CHOPPERS' WEDGES

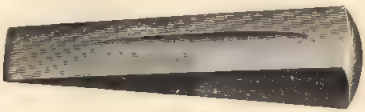


FIG. 1459

Standard Pattern, Oil Finish.....Per pound .40

RIPPING BARS

FIG. 1460

Solid Cast Steel, 24 inches long.....Per dozen $10.00

FLOOR CHISELS

FIG. 1461

Solid Cast Steel, 18 inches long .....Per dozen $10.00

RIPPING CHISELS

FIG. 1462

Solid Cast Steel, 18 inches long.... ..Per dozen $9.50

The Tricolor Flashlight

The Finest Electric Pocket Lamp

THREE POWERFUL LENSES

Red for Danger Green for Caution

White for All Clear—Go Ahead!

The Color Can Be Changed Instantly

AS USEFUL AS AN ORDINARY FLASHLIGHT AND COSTS NO MORE

The Tricolor Electric Flashlight is the latest and best Pocket Electric Lamp. By using the Morse Code you can "talk" to a friend at a distance on a dark night. The color can be changed in an instant from white to red or green with wonderful effect. The red light is very useful for photographers for dark room purposes. A handsome, well made Lamp, with nickelled fittings and best dry battery, that is all ready for use.

NO. 2455. TRICOLOR ELECTRIC FLASHLIGHT. PRICE.....$1.50
NO. 2456. EXTRA BATTERY FOR ABOVE.(Description below).....$0.50

Imported Flashlight Batteries

To Charge, Simply Add Water
FITS ANY STANDARD SIZE FLASHLIGHT

All Flashlight Batteries of U. S. manufacture are sent out from the factory charged, and the result is that they rapidly deteriorate, and by the time they reach the user, have lost much of their strength, especially when they have been laying idle on the dealers' shelves for any length of time. In Germany the reverse is the case. The batteries are delivered to the user in an uncharged state. To charge the battery it is only necessary to add water in the three cells, after removing the corks, allow the battery to stand a short time, and then replace the corks. Thus you do not charge the battery until you are ready to use it. The result is greater life and more power. Not infrequently the battery can be re-charged several times simply by refilling with water, thus restoring it almost to its original strength. The Batteries are guaranteed to give a most powerful and brilliant white light, and to outlast any other. The Battery measures 2½x2½x¾, which is the size used in all standard Flashlights, including our famous Tri-Color and other Flashlights.

No. 2456. IMPORTED FLASHLIGHT BATTERY. Price postpaid.....50 Cents
Three for $1.25, or Twelve Batteries for $4.75, postpaid anywhere.

ENCHANTED ZEPHYR CHIMES

Delightfully Sweet Toned and Musical

Hung in a doorway, porch or hall, or in any place where there is any breeze, the Crystal Glass Pendants of the Enchanting Zephyr Chimes, sway to and fro, producing the most exquisitely delightful harmonious sounds, like elfin sleighbells. The effect is ENTRANCINGLY PLEASANT. Every breath of air makes more music, with fairy like tintinabulation. The frame and cords are nicely decorated, every pendant is embellished with hand-painted designs by skilled Japanese workmen, so that the general appearance of the Chimes is strikingly pretty and graceful. This is one of the most charming musical novelties that is sure to please even the most critical music lover.

No. 4503. ENCHANTED ZEPHYR CHIMES.
Price Postpaid ..... **25 cents**

REVOLVER FLASHLIGHT

PROTECTIVE, AS WELL AS USEFUL

This is the latest and most attractive novelty in the Flashlight line. It is an exact reproduction of a regular automatic revolver, measuring 3½ inches in length. It is very handsomely gotten up, black japanned finish, very durable and serviceable. There is a very high power three-volt Tungsten Bulb at the end of the barrel, and the light is produced by pressing the trigger. It is good for thousands and thousands of flashes with one battery, and may be used for continuous burning when necessary, though this is not advisable. One battery lasts on an average several months. Batteries may be kept in stock many months without deterioration. The bottom of the handle has a hinge, and the sight on top acts as a spring clasp which permits of easy renewals of battery and bulb. Guaranteed thoroughly reliable, and not at all likely to get out of order.

By removing the bulb any of our Electric Scarf Pins may be used in any of the Flashlights illustrated on this page.

No. 2469—Revolver Flashlight, Price Postpaid..... $1.50
No. 2470—Extra Batteries, Price..... $0.25

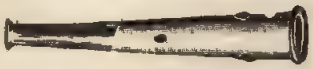
TRICK FOUNTAIN PEN

Nice Looking, but not very Serviceable.

This "Fountain Pen" left lying about is a fine practical joke. It is such a good looking "Pen" that someone will want to borrow it. As soon as the top is taken off, the water, ink, perfume or other liquid that your previously charge it with spills out and makes an awful mess.

No. 2142. Trick Fountain Pen, price 15c 3 for 40 cents, $1.35 per doz.

Musical Cigarette Holder



Also known as the **Snoring Cigarette Holder.** It is a Cigarette Holder with a small trumpet inside. You can play it while smoking and cause quite a sensation. By closing your eyes and appearing asleep you can cause endless amusement by apparently snoring or "sawing wood" in a most life-like manner.

No. 2086 Musical Cigarette Holder,
Price .....5 cents; 3 for 12 cents.

SHE: "I don't care for men. In fact, I've said 'No' to several of them."
HE: "What were they selling?"

"TREAT 'EM ROUGH"

that's what they did to the Germans

THE U. S. BABY TANK

It goes with real Yankee Pep—
by its own power

MADE OF METAL IN CAMOUFLAGED COLORS

This very remarkable toy is made by the makers of the wonderful Crawling Bug described elsewhere in this catalog, and works on exactly the same principle. A STEEL SPRING as fine as a hair gives the same life-like motion. By "winding it up" and then placing it down it creeps along, overcoming all obstacles, in the same life-like manner as the larger Tank that proved so deadly in the great war. Made entirely of metal in camouflaged colors, each packed in handsome colored box with illustrated directions showing how to perform many funny "stunts." To get the most fun out of them you should have several Tanks. PRICE ONLY 25 cents each, THREE FOR 65 Cents. SENT POSTPAID TO ANY ADDRESS IN THE WORLD.

"PRANKS" OF THE U. S. BABY TANKS

"Digging In"

Place magazine with one end about 3 in. above table. Press lower end flat. Start tank at top and it will creep down hill with its nose to the ground. When it reaches the level its lifts its nose to normal position.

"The Attack"

Wind one tank a little more than the other. Hold them about 12 inches apart, then let go. When they meet, watch the struggle as one pushes the other back.

In "No Man's Land"

Make a pile of old letters and envelopes, or fold sheets of paper like above. The tanks will go over and up and down in real tank fashion.

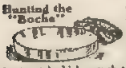
"Out There" and Back Again.

Hold fountain pen in one hand. Press side of ink lightly against it and let go. It will run down one side, turn around and come back the other side.

"The Drive"

The Baby Tank is able to push a good sized pill box or napkin ring and other objects that roll.

Hunting the "Boche"



The Baby Tank when set against a box cover or plate will follow around the outside. The cover must not be high enough to touch the gun.

"Going Up"

Put something under end of hook to make a hill. Wind tank and start from bottom. See it crawl up to the top.

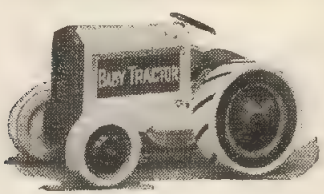
Bringing Up Reinforcements

See wrong is it that it will carry a load heavier than its own weight. Try it with all sorts of things.

No. 3436. U. S. Baby Tank. Price 25 Cents each or 3 for 65 Cents.

THE BABY TRACTOR

It *GOES!* With typical slow motion
STRONG and POWERFUL
It Will Climb Hills and Pull Ten Times Its Own Weight

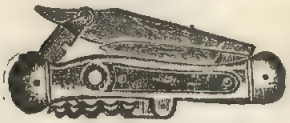


AN EXACT copy of the modern tractor, just like the U. S. Baby Tank, and it goes in the same SLOW fashion. It is strong and powerful for its size. It will climb hills, pull a string of trailers and carry loads. It will pull ten times its own weight. No other tractor of its size will do what this Baby Tractor will do. It GOES BY ITS OWN POWER. No key, no clockwork, no rubber bands. Runs by a concealed spring, MYSTICALLY controlled so it runs SLOWLY. Every boy will want one or more. Very rarely is a toy produced that will give so much amusement to any boy (or girl) as the Baby Tractor. He will spend hours literally in running it across the table, making it race with his chum's tractor to see which one will pull the biggest load or climb the steepest hill. The motion and appearance are so realistic that the grown-ups get almost as much fun out of it as the little folks. It makes an excellent gift for a farmer's boy. As a souvenir what more appropriate than an up-to-date Baby Tractor to liven up a party? In bright colors, and each one in a snappy bright colored box. **35c**

No. 3437. THE BABY TRACTOR. PRICE POSTPAID.....

THE WONDER KNIFE

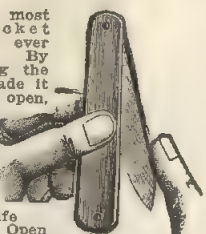
2 Bladed Knife, with Glass Cutter, Corkscrew and Cigar Cutter



It is said that there is nothing new under the sun, but the Wonder Knife disproves this. It is one of the most ingenious knives made and is so constantly useful that you will wonder how you have ever got along without it. Has two good blades, corkscrew, glass cutter, and cigar cutter.

No. 8414. Wonder Knife, price 25c
3 for 65c, 1 doz. for $2.25 postpaid.

PUZZLE POCKET KNIFE



This is the most remarkable pocket knife that has ever been invented. By merely pressing the back of the blade it at once springs open, **if you are holding it correctly.** Hand it to your friend, and he may try for a week, and break his nails, and lose his temper, and still the knife remains closed. Open it for him, and then he cannot close it; while you can open and close it with one finger before his eyes, and he is more mystified than ever. As a pocket knife, it is most convenient, as it can be opened and closed with one hand. It is well made of superior quality steel, full polished, gunmetal handle, size closed 2⅞ in.

No. 8416. Puzzle Pocket Knife....35 cents

Art Photo Knife

$1.00

These knives were made to sell at $1.50, but by a fortunate purchase we are able to offer a limited number to our customers at a substantial reduction.

The knife has two blades of the finest steel full brass-lined, with fancy transparent celluloid handles revealing handsome art photographic reproductions of bathing girls, models, actresses, and others, specially posed for these knives.

Size closed full 3¼ in.

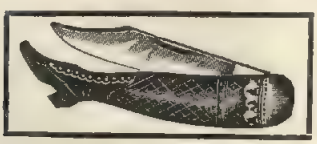
No. 8419. Art Photo Knife, Price..... $1.00

Art Photo Lady's Leg Knife

A first-class knife, two blades, full brass lined, fancy transparent celluloid handles with fine photographic art reproductions of actresses, bathing beauties, etc., in interesting poses, on both sides. Size closed 3¼ inches.

No. 8418. Art Photo lady's Leg Knife..$1.00

LADY'S LEG KNIFE



No. 8417. Leg Design Pocket Knife 80.25

Just out and one of the greatest little novelties of the season. As shown in our engraving, this knife is a perfect imitation of a lady's leg with embossed stocking and shoe. The high heeled boot and general appearance are as natural as life. They have fine steel blades, and when closed the blades fit closely in the handles. Great novelties and at the same time good, substantial pocket knives. They are made in Germany by a first class pocket cutlery establishment.

SHE: "I hope you were polite to papa, dear?"
He: "Indeed, I was. I gave him a cordial invitation to make his house my home."

SELLING AGENTS FOR
U. S.

ICE SKATES

Table giving sizes of Skates in inches, and the corresponding sizes of Shoes in Numbers they will fit.

Skates, inches	7	7½	8	8½	9	9½
Shoes, No.	8-8¾-9-9½	10-10½	11-11½	12½-13	1-1½-2	2½-3-3½
Skates, inches	10	10½	11	11½	12	
Shoes, No	4-4½-5	5½-6	6½-7-7½-8	8½-9-9½	10-10½-11	

CLUB

FIG. 3794

No.		Per pair
8	Polished, Solid Steel Runners	$1.00
28	Same as No. 8, Nickel Plated and Buffed	1.40

KEY LOCKING HOCKEY, NO. 328 AND 313

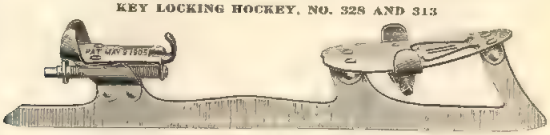


FIG. 3795

No.		Per pair
328	Cast Steel Runner, Full Nickel Plated and Buffed	$2.00
313	Welded and Hardened Runner, Full Nickel Plated and Buffed	4.00

NO. 314½F

FIG. 3796

No.		Per pair
314½F	Welded and Hardened Flanged Runner, highly Nickeled, Plated and Polished, Beveled Chamfered and highly finished.	$6.00

DONOGHUE RACING

FIG 3797

Made in three lengths, 14, 16 and 18 inches ..... Per pair, $5.50

Complete Skate Catalogue on application.

U. S.

ICE SKATES

LADIES'

NO. 35

FIG. 3798

No.		Per pair.
35	Cast Steel Polished Runners, Russet Leather Heel and Toe Straps	$1.35

LADIES' CLUB

NO. 16½ TO 17

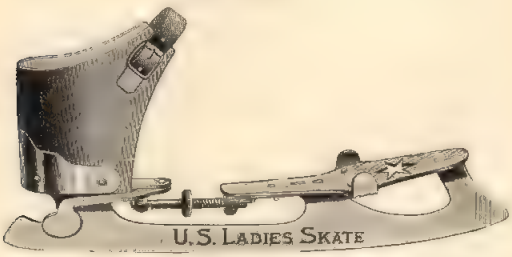


FIG. 3799

No.		Per pair.
16½	Polished, Steel Runners, Russet Heel Straps	$1.80
36	Same as No. 16½, Full Nickel Plated and Buffed	2.20
38½	Hardened Cast Steel Runner, Full Nickel Plated and Buffed, Russet Heel Straps	3.10
17	Welded Iron and Steel Runners, Highly Tempered, all parts Full Nickel Plated and Buffed, Russet Heel Straps	5.80

Complete Skate Catalogue on application.

U. S. ICE SKATES
SLED

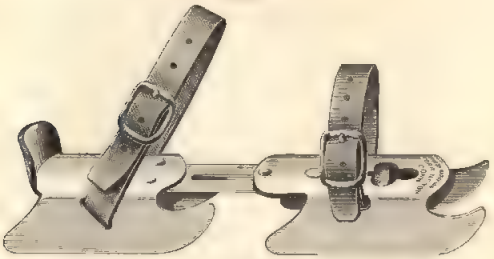


FIG. 3800

Adjustable from 6 to 9 inches.. .....Per pair .64

EUREKA SKATE SHARPENERS

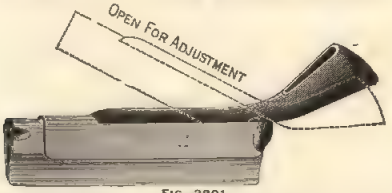


FIG. 3801

Quickly adjusted and accurate. Fine steel. Automatic in adjustment. Will sharpen any Skate, whether flat or convex runners. The file is cut on all four sides, two being flat and two convex.

Per dozen $2.50

SKATE STRAPS
LAMB'S PATENT BUCKLE

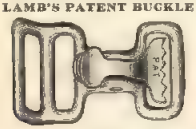


FIG. 3802

	Size, inches.	Per dozen pairs.
Tongue Buckle Heel Straps	⅝x20	$1.25
" " Toe "	⅝x28	1.50
Lamb's Patent Buckle Heel Straps	⅝x20	2.00
Lamb's Patent Buckle Toe Straps	⅝x28	2.75
Skate Keys, Common		.60
" " Hockey		.80
Heel Plates		.30

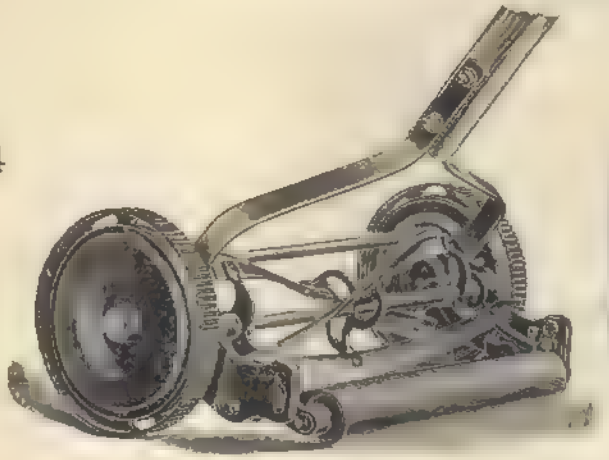
ICE CREEPERS

FIG. 3803

By adjusting the Wings, Creeper can be fitted to Heels from 2¼ to 3½ inches wide, and can be worn on either Shoe or Rubber.

Newark, All Steel...Per dozen pairs $4.00

LAWN MOWERS



Velocity

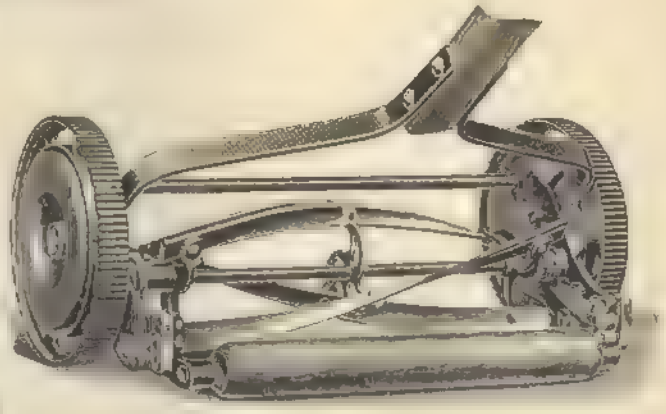
Ball Bearing

Drive Wheel, [illegible] inches. Ball Races, [illegible] diameter, ¼ inch tool steel balls. Patent Cone adjustment. Cones cannot work loose. Cones hardened and ground. Three tempered tool steel knives on reel. Under knife [illegible]. Finished in Green and Gold.

Size, Inches	14	16
Each List	$13 86	$14 52

Each

One in a Box



Monarch

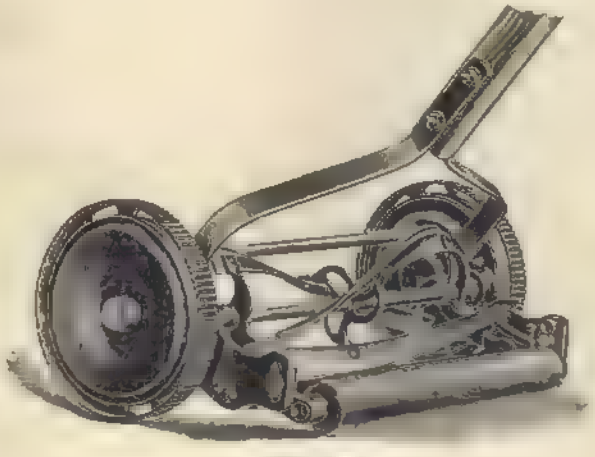
A High Grade Medium Priced Mower, Ball Bearing

Drive Wheel, [illegible] inches. Ball Races [illegible] inch diameter, ¼ inch tool steel balls. Patent Cone adjustment. Cones cannot work loose. Cones hardened and ground. Three tempered tool steel knives on reel. Finished in Gold and Maroon.

Size, Inches	14	16
Each List	$15 62	$16 28

Each

One in a Box



Easy Cut

The best low-priced mower, light weight, well made and easy running

Plain Bearing

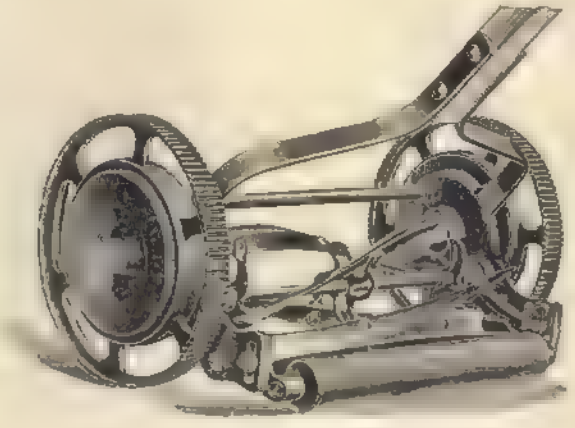
Drive Wheel, 8 inches. Shafts, ½ inch diameter in an adjustable plain bearing box. Three tempered tool steel knives on reel. Under knife nicely tempered. Finished in Green and Black.

Size, Inches	12	14	16
Each List	$10 78	$11 22	$11 88

Each

One in a Box

(Cone adjustment used on all our Ball Bearing machines.)



Metropolitan

Best Mower Made, Ball Bearing

Drive Wheel, 10 inches. Ball Races 1⅛ inch diameter, ¼ inch tool steel balls. Patent Cone adjustment. Cones cannot work loose. Cones hardened and ground. Four tempered tool steel knives on reel. Finished in Gold and Black.

Size, Inches	14	16
Each List	$18 92	$19.80

Each

One in a Box

(Cone adjustment used on all our Ball Bearing machines.)

GRASS SHEARS

No. 267 x 5½ inch. Extra Full Polished Blades and Bow Tempered.
Per Dozen List..... $12.98

Per Dozen .....
Half Dozen in a Box

GRASS SHEARS

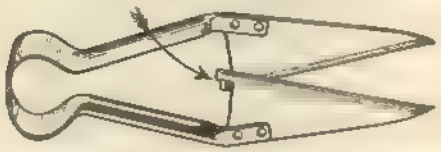
Sure-Klip

Made of Bright Finished Steel Case Hardened, 5½ inch Blade, 12 inches length over all.
No. 2. Per Dozen List..... $7.48

Per Dozen .....
Half Dozen in a Box

SURE-KLIP GRASS SHEARS—SELF-SHARPENING

The Sure-Klip Never Slips



See Those Blade Locks in Sure-Klip Grass Shears

Those two little blade locks, [illegible] shear blade, make it impossible for the blades to slip under pressure. They are [illegible] Grass Shears perfectly adjusted. Malleable iron handles, bright. Bow and bows.
No. 4. Per Dozen List..... $5.50

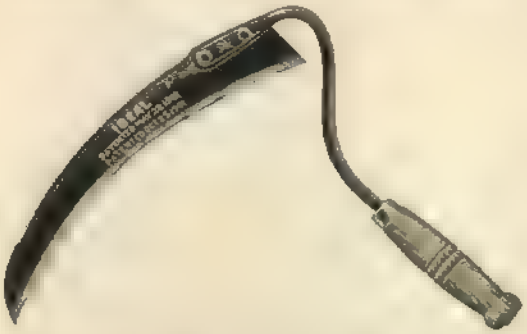
Per Dozen.....
One Dozen in a Box

VILLAGE BLACKSMITH GRASS HOOKS

Forged from Bar Tool Steel. Thoroughly tempered and ground [illegible] ready for use. Hangs perfectly without muscular effort. Natural Hammer Finish; top side Full Polished. Turned Maple Handle.
No. 3. Per Dozen List..... $10.34

Per Dozen.....
One Dozen in a Box

RIBBED BACK "IDEAL" GRASS HOOK



Cuts from Point to Heel

A well made tool, ground on both sides. Cutting edge nicely polished.
No. 5GH. Per Dozen List..... $8.47

Per Dozen.....
One Dozen in a Box

"GEM" GRASS HOOK

Cuts from Point to Heel like a Scythe

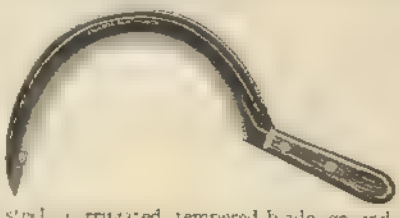
Made from a fine quality of steel, hardened and tempered in oil. The handle is riveted to the blade and perfectly balanced in such a manner that it prevents the hand from coming in contact with the ground.
No. 1GH. Per Dozen List..... $11.00
Per Dozen.....
One Dozen in a Box

GRASS HOOKS

Forged from Tool Steel. Beaded Handle. Polished Bevel.
No. 7. Per Dozen List..... $4.95

Per Dozen .....
One Dozen in a Box

VILLAGE BLACKSMITH GRASS HOOKS



Cutlery steel, corrugated, tempered blade, good and wide, thin and sharp. Riveted handle.
No. 4. Per Dozen List..... $7.80

Per Dozen.....
One Dozen in a Box

WAGNER WAGONS

The Wagner Wagon has many distinctive features that place it [illegible] itself in the coaster wagon field. There may be [illegible] than a Wagner, but, considering [illegible] as [illegible] the Wagner is the best value. A coaster wagon is [illegible] being a toy, and there is no other wagon that will [illegible] It can be used for carrying [illegible] boxes, bar[illegible] and there is hardly a day [illegible] some use in [illegible]

Study the construction, and note that the first essential of a coaster wagon—STRENGTH—is secured without excessive weight. All steel wheels and bolsters insure a wagon that is "the last word in wagon construction." There is nothing that gets as hard usage as a coaster wagon, and here is a wagon that will give profit to the dealer, delight to the boy and satisfaction to Dad. Each half of the wheel is a solid piece of steel, with a T-shaped section of metal inserted between, electrically welded and riveted together. There are no separate spokes to break or come loose. The bolster is constructed in the same way, each side being a solid piece of metal, electrically welded together, with a top plate securely riveted in place.

This substantial construction gives the maximum amount of strength without adding an ounce of excessive weight.

The following are special features of Wagner Wagons, some of which are found in no other coaster. We feel sure that after considering these points in connection with the illustration shown you will agree that there is no Wagon like a Wagner

1—Overlapping box clip
2—Natural finish, hardwood box
3—Triple braced tongue hound
4—Clip supporting tongue
5—Solid 2-inch Hub, roller [illegible]ng
6—Ex[illegible]a Heavy Tee Tire
7—[illegible]
8—Loosen[illegible]ng nuts to remove box.
9—All steel bolster.
10—⅝-inch axle.

SPOKE WHEEL COASTERS

Nos.	10	18	19	24	34
[illegible]	$9 24	10 89	11.88	13 20	14 85
[illegible]					
No.			19½	26	36
[illegible]			14 08	15 40	17 05
[illegible]					
No.	10D	18D	19D	24D	34D
[illegible]	9 24	10.89	11.88	13 20	14 85
[illegible]					
No.	12D	20D	19½D	26D	36D
[illegible]	10 89	[illegible]	[illegible]	15 40	17 05

SPOKE WHEEL COASTERS

Nos.	8-inch Tee Tire Wheels	Shipping Wt Each
10	—Box 12½x28x2½ inches	25 lbs
18	—Box 14x32x3 inches	30 "
	10½-inch Tee Tire Wheels	
19	—Box 14x34x3½ inches	35 lbs
24	—Box 16x36x4 "	39 "
34	—Box 18x40x4½ "	43 "
	11-inch Rubber Tire Wheels	
19½	—Box 14x34x3½ inches	35 lbs
26	—Box 16x36x4 "	39 "
36	—Box 18x40x4½ "	43 "

THE WAGNER COASTER WITH DISC WHEELS

The above illustration shows the Wagner Coaster equipped with our New Disc wheel. None of the special features of our regular Tee tire wheel are eliminated. The usual Tee tire electrically welded and riveted wheels are used, to which are added the extra strength and attractiveness that a disc wheel possesses. Red Wheels.

DISC WHEEL COASTER

Nos.	8-inch Tee Tire Wheels	Shipping Wt Each
10D	—Box 12½x28x2½ inches	27 lbs
18D	—Box 14x32x3 "	31 "
	10½-inch Tee Tire Wheels	
19D	Box 14x[illegible] inches	38 lbs
24D	Box [illegible]x9x4 "	41 "
34D	Box 18x40x4½ "	46 "
	8-inch Rubber Tire Wheels	
12D	—Box 12½x28x2½ inches	27 lbs
20D	—Box 14x32x3 "	31 "
	11-inch Rubber Tire Wheels	
19½D	—Box 14x34x3½ inches	38 lbs
26D	—Box 16x36x4 "	41 "
36D	—Box 18x40x4½ "	46 "

Superior Features of Wagner Wagons

Excess strength in every part
Light weight, strength considered
Select materials throughout.
Extra quality finish.
All steel wheels.
All steel bolsters.
Roller bearings.
Removable boxes.
Iron brake
Smooth, dust-proof hub caps
Triple braced tongue hound.
"More Wagon" for the money.

All Wagner Coaster Wagons are packed in heavy fibre-board dust-proof cartons for shipment.

WALTHAM

COLONIAL WATCHES

PRESENTATION WATCHES

What Presentation Piece could be more fitting than one of the distinguished Waltham Watches illustrated on this page? Its beauty will be appreciated daily ... its dependable time-keeping service a source of lifetime satisfaction.

PREMIER MAXIMUS

No. 500 *Price* **$610.00**

PREMIER MAXIMUS

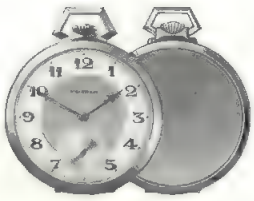
This is Waltham's finest Watch; a superb movement magnificently cased. The Premier Maximus is recognized as the crowning triumph of the watchmaker's art; an unsurpassed Presentation Piece whose bestowal recognizes supreme achievement.

Movement — 23 Jewels — fine Diamonds (Rubies and Sapphires). Winding Indicator. Adjusted to Isochronism, changes in Temperature and 6 Positions.

Case — Heavy hand made of 18K solid Gold — White, Green, or Yellow. Invisible Joint. Plain or Hand-Carved.

Dial — Enamel Hand-Painted or Fine Silver with Applied Numerals of 14K Gold.

Delivered from the Factory in a Special Leather Presentation Box with two extra Mainsprings and Crystal.



No. 150-5 Green Gold — **No. 150-6** White Gold

Butler Finish Case

Price **$160.40**

Riverside 21 Jewels. Temperature Adjusted and 5 Positions. 14K Green or White Gold Case. Butler Finish or Border Engraved. Sterling Silver 18K Gold Applied Dial No. 473.

Extra Thin

Waltham's thinnest Pocket Watches are offered in the Colonial "A" No. 175 and No. 200. These distinguished Timepieces combine modern thin-model designs with the dependability which has characterized Waltham for three-quarters of a century.

COLONIAL "A"

No. 175-3 Green Gold — **No. 175-4** White Gold

Butler Finish Case — Increased Bezels

Price **$187.00**

Movement — Riverside 19 Jewels. Adjusted to Temperature and 5 Positions.

Dial — Fine Sterling Silver 18K Applied Gold Figures.

Case — 14K Green or White, Octagon Shape, exquisitely Hand-carved or severely Plain. Dial No. 560.

No. 200 *Price* **$237.60**

Maximus Movement 14K Solid Gold Hand-carved Case. Sterling Silver Dial with 18K Applied Gold Numerals.

All Waltham Colonial Watches are Cased and Timed at the Factory. Each is supplied in a handsome Presentation Box. Illustrations seven-eighths actual size.

WALTHAM
COLONIAL WATCHES

No. 100-9 Green Gold — **No. 100-10** White Gold
Butler Finish — Octagon Case

***Price* $107.00**

Royal 19 Jewels, Temperature Adjusted and 3 Positions. 14K Green or White Octagon Case, Engraved Bezels, Brushed Back, Sterling Silver, 18K Applied Gold Figures.

Dial No. 477

Waltham Colonial "A" Watch No. 175 in Presentation Box

No. 100-7 Green Gold — **No. 100-8** White Gold
Border Engraved Case

***Price* $107.00**

Royal 19 Jewels, Temperature Adjusted and 3 Positions. 14K Green or White Gold Case, Butler Finish or Border Engraved, Sterling Silver, 18K Gold Applied Figures.

Dial No. 424

Waltham Colonial Watches are Cased and Timed at the Factory. Each is supplied in a handsome Presentation Box.

No. 75R-13 Green Gold — **No. 75R-14** White Gold
Engraved Center Case
Line Finish Back

***Price* $85.90**

Royal 19 Jewels, Temperature Adjusted and 3 Positions. 14K Green or White Gold Case, Engraved Center, Burnished Bezels.

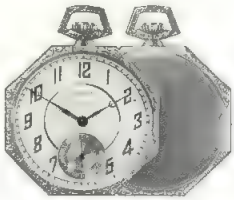
Dial No. 727

No. 60R-15 Green Gold — **No. 60R-16** White Gold
Butler Finish — Cushion Case

***Price* $64.10**

Royal 19 Jewels, Temperature Adjusted and 3 Positions. 14K Filled Green or White Cushion Case, Engraved Bezels.

Dial No. 1407



No. 75-9 Green Gold — **No. 75-10** White Gold
Butler Finish — Octagon Case

***Price* $85.90**

17 Jewels, Temperature Adjusted 14K Green or White Octagon Case, Engraved Bezels, Brushed Back.

Dial No. 1405

Illustrations seven-eighths actual size

CRYSTAL ARCADE COFFEE MILLS

No. 25

No. 3

No. 25. Air tight, transparent glass hopper and cup. Will grind coffee to any size required

Per Dozen List..... $22.88

Per Dozen

Each in a Box; Twelve in a Case

No. 3. Glass hopper, with nickel screw cap. Holds one pound. Glass cup is marked with table spoon graduations

Per Dozen List..... $20.81

Per Dozen.....

Each in a Carton, Six in a Crate

X-RAY COFFEE MILLS

No. 1. X-Ray. Hard wood box, with glass front. Fast grinder. Holds one pound.

Per Dozen List..... $22.11

Per Dozen

Half Dozen in a Box

UNIVERSAL COFFEE MILLS

No. 0012. Universal. All steel Japan finish. For wall. Holds one pound. Adjustable grinders. Detachable cup. Height, 13¼ inches

Per Dozen List..... $25.85

Per Dozen.....

Half Dozen in a Box

UNIVERSAL COFFEE MILLS

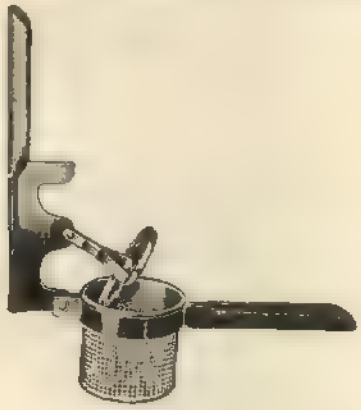
No. 110. Universal. All steel Japan finish, 10½ inches high. Holds one pound, adjustable grinders

Per Dozen List..... $28.60

Per Dozen

Half Dozen in a Box

UNIVERSAL PRESSES AND MASHERS



No. **11.** Seamless Steel Bowl, Heavily Tinned, Steel Frame and Handles Japanned.

Per Dozen List..... $9.90

Per Dozen. . . .

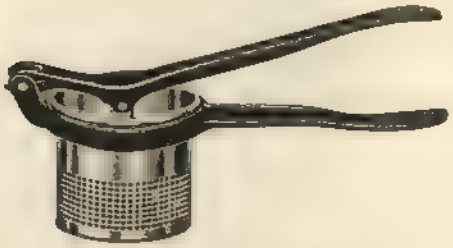
One Dozen in a Box

Extra Cups for the Above

Per Dozen List..... 4 40

Per Dozen....

PRESSES AND MASHERS



No. **25.** Iron Japanned Frame and Handles, Heavily Tinned Masher. Perforated Tin Cup 3¼x3¼ inches.

Per Dozen List..... $5.61

Per Dozen.....

Three Dozen in a Case

Extra Cups for the Above

Per Dozen List..... 1.05

Per Dozen...

WOOD POTATO MASHERS

No. **3.** Extra Finish Hard Wood Solid, One Piece

Per Dozen List..... $3.12

Per Dozen

POTATO MASHERS

Rapid

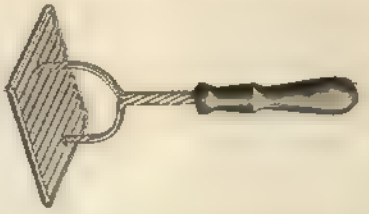
Tinned Steel, Handle Oil Finish

Per Dozen List... $3 19

Per Dozen.....

One Dozen in a Box

POTATO MASHERS



No. **176.** Champion, Extra Heavy Retinned Wires, Maroon Handle, Base 3x3 Inches

Per Dozen List .. $1.40

Per Dozen...

One Dozen in a Box

POTATO MASHERS

No. **306.** Heavy Wire Retinned, Maroon Handle, Base 3x3⅜ Inches

Per Dozen List $2 64

Per Dozen

Half Dozen in a Box

ASBESTOS STOVE MATS

Plain, Diameter 5⅝ Inches

Per Dozen List..... $1 54

Per Dozen.....

One Dozen in a Box

Baby Hammerless Revolver

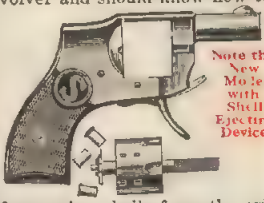
NEW EJECTOR MODEL

A HANDSOME AND MOST EFFECTIVE WEAPON

PRICE **$6.50**

TAKES REGULAR .22 CALIBRE CARTRIDGES

HERE is the NEW EJECTOR TYPE "Baby" Hammerless Revolver, a vast improvement on the previous model of this well known and efficient little weapon. The new "Baby" Hammerless has been produced to meet the ever increasing demand for a revolver that would combine small size and light weight with the essential features of EFFICIENCY and PRACTICABILITY. It is small in size, measuring but 4¼ INCHES LONG, and weighing but six ounces, yet it is just as effective and serviceable as the most expensive weapon you can buy. When you need a pistol you need it bad and quick as every second counts. It is the ideal ladies' revolver, as it is small enough to fit in a handbag or even a purse of moderately large size, or can be concealed in a special Holster made for the purpose. This Holster is made of soft leather and holds the revolver firmly above the knee, affording instant protection. Every lady should have a revolver and should know how to use it, and there is no safer or better one made than this. A great feature is its safety action. The Folding Trigger, as shown in the illustration makes accidental discharge impossible. You do not have to be afraid to carry the "Baby" Hammerless with you; it is safe to carry and assures safety in carrying it with you. The new model is now made with a REMOVABLE CYLINDER with shell-ejecting device, so that the empty shells are practically removed automatically. The new ejector model has the simplest method of removing shells from the cylinder and still retaining the strength of the solid frame, having all the conveniences of revolvers of the swing-out type without their disadvantages.



The ammunition used is the standard 22-calibre cartridge obtainable at sporting goods stores, hardware and department stores everywhere, or you may obtain the cartridges direct from us. Cartridges can only be shipped by express, consequently when cartridges are ordered, the entire order is shipped by express. If possible we recommend your buying the cartridges locally, but we will gladly supply them if you prefer to buy them of us, on the understanding that we are to ship the order by express and not parcel post. The Revolver takes six shots in one loading. The operation of the firing mechanism is extremely rapid and absolutely reliable; six well aimed shots can be fired in as many seconds. It is very well constructed, nickel plated, fluted cylinder, with black hard rubber handles. We also have the "Baby" Revolver with Pearl Handles. Send $2.50 extra if you want the "Baby" equipped with Pearl Handle. Prices of these Revolvers, also Cartridges and "Baby" Holster, are listed below.

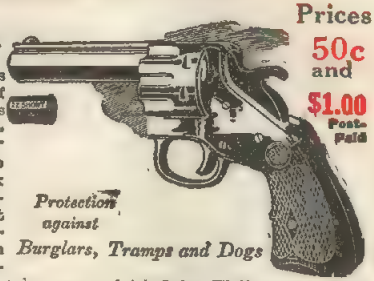
No. R9025. **Baby Hammerless Revolver, with Black Rubber Handles, postpaid**.....$6.50
No. R9051. **22 Cal. Blank Cartridges (By Express Only) Per 100**..... .50
No. R9052. **22 Cal. Cartridges for Same (By Express Only) Per 100**..... 1.00
No. .9038. **Baby Holster for Baby Hammerless Revolver. Price postpaid**.....$1.50

Every American Red Blooded Boy Wants This

BLANK CARTRIDGE PISTOL

REAL REVOLVER STYLE

FIRES 22-CALIBER BLANK CARTRIDGES.



Prices 50c and $1.00 Post-paid

Protection against Burglars, Tramps and Dogs

This well made and effective Pistol is modelled on the pattern of the latest type of Revolver, the appearance of which alone is enough to scare a burglar, whilst, when loaded it will probably prove just as effective as a revolver with real bullets, without the danger to life. It takes the standard 22 Calibre Blank Cartridges, that are obtainable most everywhere. Even the most timid woman can use it with perfect safety and frighten a thief without risk to herself or anyone else. You can have it lying about without the danger attached to other revolvers. We sell large numbers around 4th July. Well made of solid metal, and handsomely nickel plated all over. Price only 50 cents each by mail postpaid, or larger size and superior quality for $1.00 postpaid. The Pistols are sent by parcel post prepaid. We stock the Cartridges merely as an accommodation to our customers, though we much prefer your buying them locally wherever possible. Cartridges are not allowed in the mails consequently when Cartridges are ordered, the entire shipment is sent by express. The express charge is to be borne by the customer and can be paid upon delivery of the shipment. Allowance for the expressage paid will be given on your next order. Simply send us the receipt which the Express Company will give you and send it to us with your next order and it will be accepted as so much cash to be applied to your order.

No. 2917. BLANK CARTRIDGE PISTOL. SMALL SIZE. PRICE POSTPAID..$0.50
No. 2918. BLANK CARTRIDGE PISTOL. LARGE SIZE. PRICE POSTPAID.. 1.00
No. 9051. 22-CAL. BLANK CARTRIDGE (BY EXPRESS ONLY) PER 100..... 0.50

COWBOY HOLSTER FOR BLANK CARTRIDGE PISTOL

Showing Holster Closed

Showing Holster Open

So many of our customers have asked if we can supply a Holster for our Blank Cartridge Pistols, that we have induced a leading manufacturer to carry a stock of a dandy Holster, as illustrated. This is just the right size and will accommodate the pistol nicely. It is a handsome Holster, and comes complete with Belt, as illustrated.

Of course the Cowboy Holster will serve equally well for any other Revolver of standard size, such as our Young America, Baby Hammerless and Break Open Revolvers (Numbers 9005, 9006, 9007, 9025, 9001, 9009, and 9011). At 50 Cents each, these Holsters are certainly remarkable value.

No. 9039. SPECIAL COWBOY HOLSTER. Price Postpaid..... 50 Cents

THE T. J. LANE EQUIPMENT COMPANY

1024-1030 W. MAIN ST., SPRINGFIELD, OHIO

Lane-Coil Earth Auger

THE LANE COIL EARTH AUGER

Has been in use for two years boring holes for posts and light standards and for tree planting.

On Ohio State Highway No. 32, 14″ x 4 ft. 6″ holes were bored in different kinds of earth formation at the rate of 25 holes per hour. On the same road men were digging by hand two holes per hour each. To operate machine to capacity requires two men, one on tractor and one to start Auger in proper place

THE LANE COIL EARTH AUGER

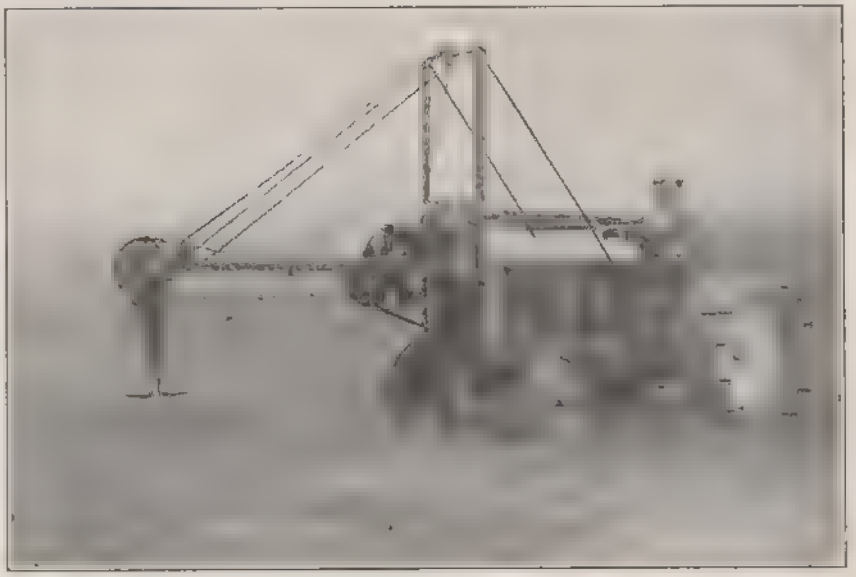
parts are made of the best materials in a modern plant equipped with the best of machinery and only high class mechanics are employed in the manufacture of the L C Earth Auger.

The best of semi-steel, cast steel and malleable castings used. All parts are made with a view to simplicity. The clutch is of auto type, using 10″ Borg & Beck clutch discs. Replacement when necessary at any auto supply service station. Ball thrust bearings on clutch shaft, and only one adjustment necessary for raising, lowering or holding Auger.

Any man who can operate and care for a tractor can attach and operate this machine.

Can be attached to many makes of Tractors.

Showing position of Auger when four feet deep. Note that Auger is vertical and hole is straight. Any size Auger from 6″ to 14″ furnished. Augers cut one inch larger hole than size listed. Price $425.00



Showing Finished Hole

"TOYS THAT TEACH" Happy Contented Children

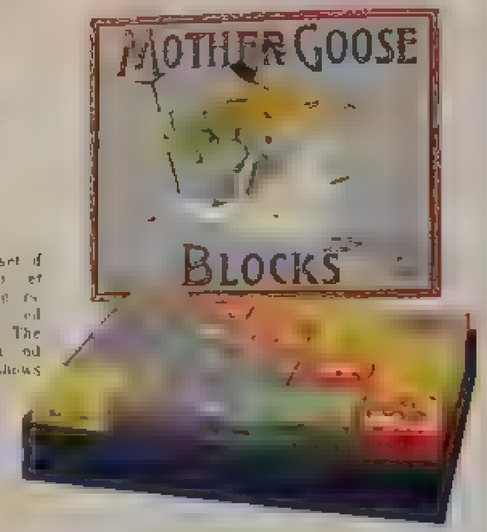
NEW NUMBERS FOR 1930

ANAGRAMS

The Game of Anagrams has been popular always, but recently there has been a renewed interest in the game due no doubt to its educational advantages. In designing this set our aim was to offer the usual color arrangement, black and yellow, proper size and style of letters, and an embossed back so that one letter could not be distinguished from another, when laid down. This is an ideal Anagram Set to retail at a popular price. See illustration at left

Retails for $.00

NO. 92 BLOCKS



There was a need for a good demand for a real high grade set of Blocks with Mother Goose Designs and Rhymes. This set contains twenty 1" cubes embossed and printed in six colors. Each block has one of the Mother Goose Rhymes with the ends of the lines matching. The Rhymes are washable finish. The sets are furnished in cardboard box, with strong wood cut on the cover and a colored wagon. The illustration at the right shows the set in cardboard box

FIRST STEP COLORED PLAY BLOCKS

The name FIRST STEP "TOYS THAT TEACH" COLORED PLAY BLOCKS was selected for these sets because we believe this type of toy should be the first given to the child. The sets which contain blocks in the six prismatic colors will teach colors and simple designing, and the blocks are just right for piling

Sets retail from 50c to $2.00

"TOYS THAT TEACH" Happy Contented Children

NEW NUMBERS FOR 1930

POPULAR TOY BLOCKS

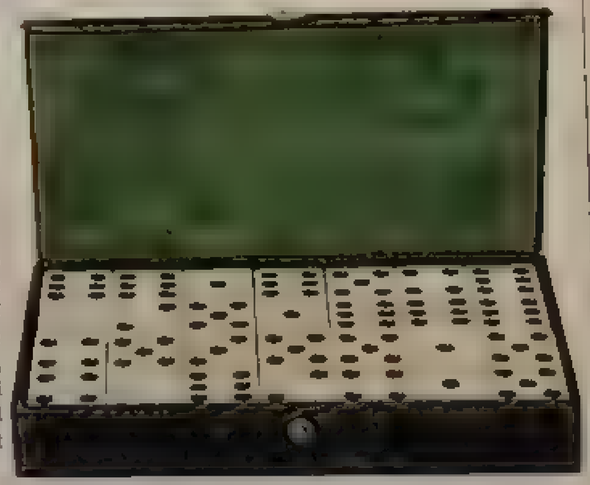
This is a new line of popular priced Toy Blocks offered first in 1930. The features are along modern ideas. We call particular attention to the embossed letters on the blocks, which are plain and distinct. The illustrations too were very carefully selected for children of the toy block age. While we show an illustration of only one set in this line we have sets to retail at all prices from 10c up

The blocks are made in three sizes 1-1 to 1-5 16" and 1-11 16" cubes. Illustration of the 1-11 16" cube is shown above

1930 CELLULOID DOMINOES

In offering our "1930" Dominoes, we have a practical, high grade set of Dominoes attractively packed. At the right is an illustration of the complete set, as well as the single Domino pieces showing front and back. This is a high grade set of Dominoes to retail at a fair price. The pieces are white celluloid with black dots, with an attractive design on back. Packed in special heavy snap fastener box covered with decorated cloth, with green velvet lining pad on cover

Retails for $5.00



THE EMBOSS.NG COMPANY, ALBANY, N.Y.

The all year 'round line "TOYS THAT TEACH"

NEW AND POPULAR NUMBERS

On this page are illustrated an assortment of new and popular numbers. Most of them have been added to our lines within the last few years; they are all ready sellers, and items which should be in every toy department. The educational phase of "Toys That Teach" is more pronounced than ever. We seek the counsel of educators in originating and developing new ideas. Our Line has been increased and made more attractive, interesting, and easy to sell. The demand for "Toys That Teach" indicates that most buyers are familiar with this line; if you are not let us send you catalog and samples.

Farmyard Set

Prism Color Sets
Building and Designing

Color Cubes

House Building Blocks

Wonderwood Flowers

Checker Set

The items on this page and the three preceding ones are but a portion of our lines
For description of our complete lines, send for our latest catalog and price list

THE EMBOSSING COMPANY, ALBANY, N. Y.

New York Office and Display Room — Room 110, 200 Fifth Ave.

THE EMBOSSING COMPANY, ALBANY, N.Y.

"TOYS THAT TEACH" – A Toy Department in Itself

MODERN "TOYS THAT TEACH" BLOCKS

A most important feature of these Blocks is that a young child can by forming the picture of the Clown and Boy Scout and placing the three Clown Blocks on top of the three Boy Scout Blocks automatically produce the prismatic colors in their proper order, and the numbers from one to six in consecutive order, also illustrations of a nursery rhyme complete.

MODERN "TOYS THAT TEACH" BLOCKS

THE BLOCKS THAT SELL

Modern Blocks were first offered to the trade in 1929. The tremendous sale on this line indicated immediately that the features and workmanship on these block sets met with the approval of buyers

These Blocks contain six educational features, and it is remarkable that all of these features could be incorporated into one set of blocks, in fact a set of these Blocks is really six toys in one Remember that all of these features are contained in every set of MODERN "TOYS THAT TEACH" BLOCKS

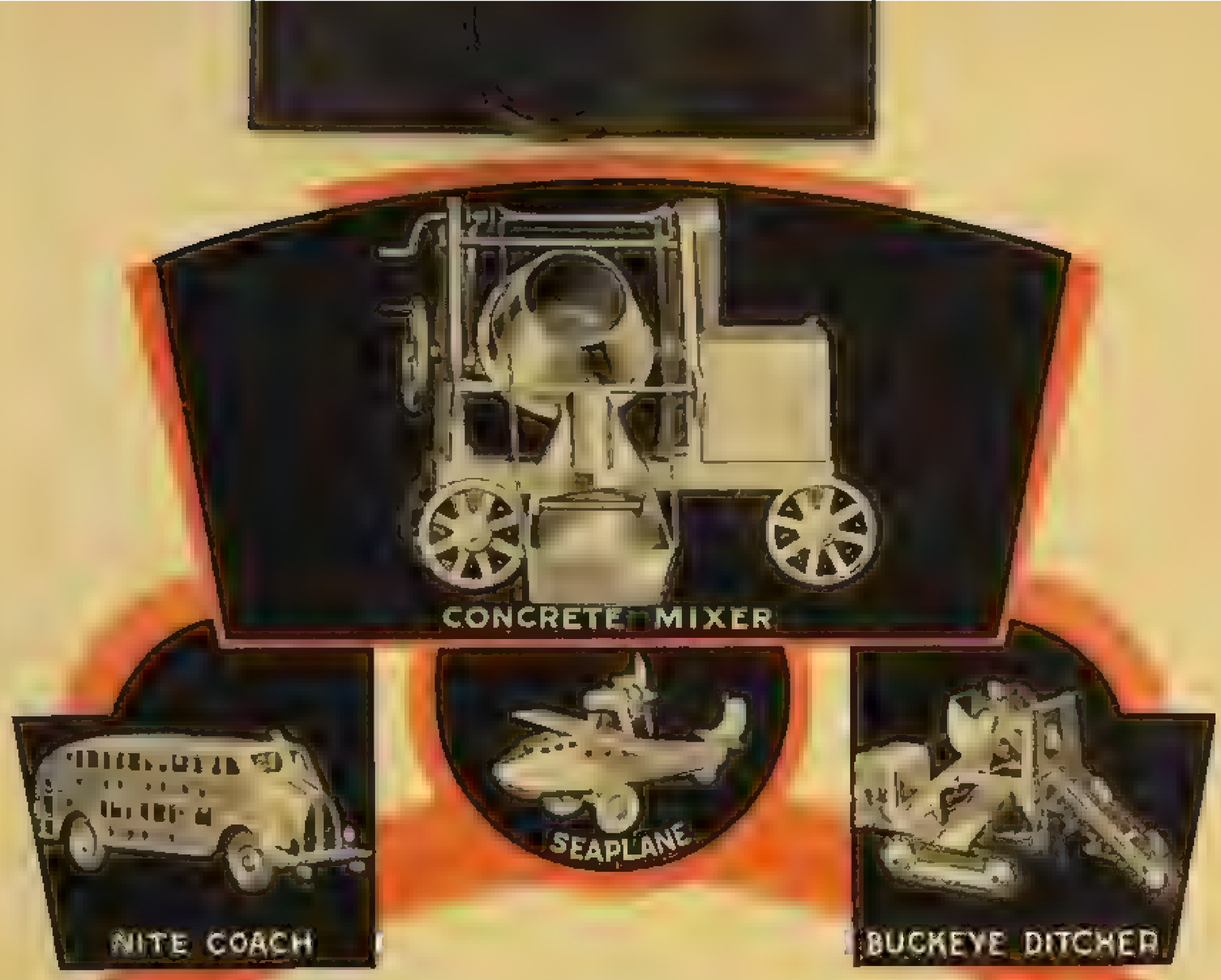
In selecting the features we obtained the advice of a number of recognized kindergarten authorities, because it is very evident that Toy Blocks with real educational features are a very important factor in the education of children. Naturally these Blocks will replace the old-fashioned spelling blocks, although there still remains enough of the alphabet where this is desired.

We are proud to add MODERN BLOCKS to our family of "TOYS THAT TEACH" believing that children will have many hours of instruction and entertainment with them.

Modern Blocks are made in all sizes to retail from 10c to $2.00. Send for Catalog and Samples.

THE EMBOSSING COMPANY, ALBANY, N. Y.

New York Office and Display Room — Room 110, 200 Fifth Ave.



KENTONTOYS Do Things for You and Your Customer

What a contractor's set the Jaeger Concrete Mixer and the Buckeye Ditcher make! That's because they are so closely modeled after the large ones which are used so much in road building.

The Seaplane is closely patterned after a large model now used in the Navy and certainly appeals to the air-minded lads

For the boys whose tastes run along mechanical lines, there is the replica of the Pickwick Nite Coach.

There are many other interesting toys in the Kenton line . . may we send our new catalog? Write today.

KENTON CAST IRON TOYS

THE KENTON HARDWARE COMPANY . . . . . KENTON, OHIO.

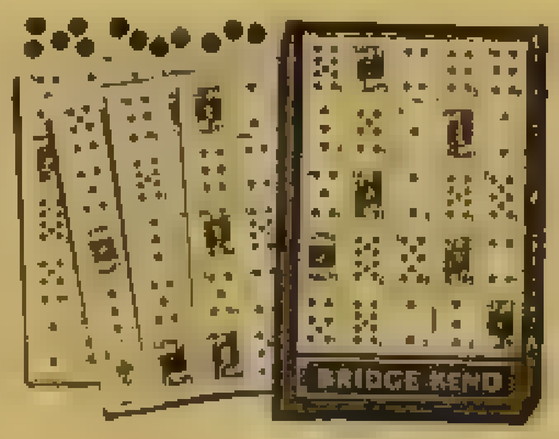
IN CANADA . . . . . 4 FOURTH AVE., NEW YORK CITY

2 BIG SUMMER-TIME SELLERS

These two new Bradley games, "Check and Double Check" and "Bridge Keno," are hits of the season. It's hard to tell which is the more popular, for both are running neck and neck for new records. Better be safe and stock enough of both games for increased summer sales and have them on your orders for the big fall business these items are sure to bring.

CHECK AND DOUBLE CHECK

A marvelous summer seller for seashore verandas, summer camps, house parties. Everyone who likes a game of chance is enthusiastic about "Check and Double Check." Any number may play, odd or even, and the game is quickly learned. Cards of unique design, colored counters and special "Check" dice. Distinctly a game for grown-ups. "Something new under the sun" at last. Speed up your dull months with this new Bradley game sensation. Retail 75 cents.



BRIDGE KENO

The new Keno game with a scoring system like Bridge. Has the suspense of poker—the dash of dice. Odd or even numbers up to twelve people can play. Easy to learn but packed with thrills. There is *only one* Bridge Keno. And Milton Bradley is the only source from which you can obtain this fast-selling game. Be sure you have enough in stock. Bridge Keno is made in three editions: 4490—for four players, 4491—for eight players, 4492—for twelve players. Retail $1, $2, $3.

[illegible]

SPRINGFIELD, MASS.

New York Office: 221 Fourth Avenue

[illegible] OF THE WORLD'S BEST GAMES

Pandora Puzzles

No. 504—Bunny Bob-Tail Series

Subjects: Three

A) Bunny Bob-Tail Helps Mother
B) Bunny Bob-Tail Goes A-Fishing
C) Bunny Bob-Tail Has a Thrill

Puzzle Size: 10½ x 8 inches Box Size: 10¾ x 8¼ inches

Description: Varnished original prints, cut in large pieces, wrapped in cellophane, sealed to heavy baseboard for protection.

Packed ½ dozen Retails 50c

No. 505—Busy Body Series

Subjects: Three

A) Four and Twenty Black Birds
B) Pussy Has the Goat
C) Mary, Mary Quite Contrary

Puzzle Size: 10½ x 8 inches Box Size: 10¾ x 8¼ inches

Description: Varnished original prints, cut in large pieces, wrapped in cellophane, sealed to heavy baseboard for protection.

Packed ½ dozen Retails 50c

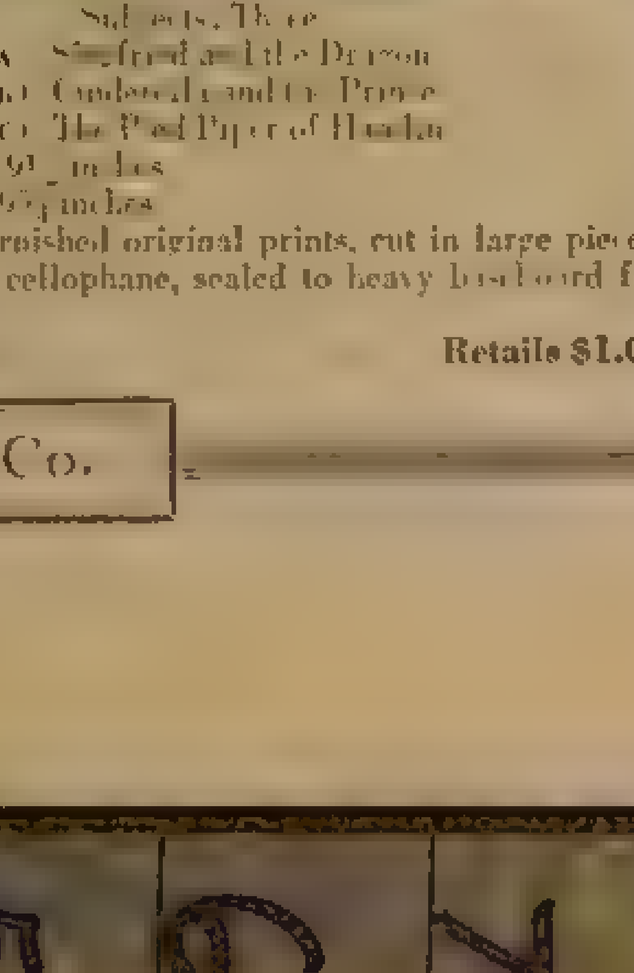
No. 506—Peggy Pigtail Series

Subjects: Three

A) Peggy visits the Busy Bees
B) Peggy meets some Hungry Friends
C) Peggy spends a Penny

Puzzle Size: 10½ x 8 inches Box Size: 10¾ x 8¼ inches

Packed ½ dozen Retails 50c



No. 507—Charm Series

Subjects: Three

A) Siegfried and the Dragon
B) Cinderella and the Prince
C) The Pied Piper of Hamlin

Puzzle Size: 12 x 9[illegible] inches

Box Size: 12[illegible] x 9[illegible] inches

Description: Varnished original prints, cut in large pieces, wrapped in cellophane, sealed to heavy baseboard for protection.

Packed [illegible] dozen Retails $1.00

Selchow & Righter Co.

Tru-Flite Archery

With the Tiger Target and the Arrows that Stick!
Goes Straight to the Hearts of Young Archers!

No. 1001—Archery Set. Consists of an 18″ genuine lemon-wood bow, two 9″ rubber tipped suction arrows, 2 black japanned metal target stands, a beautiful 14 x 14 inch bull's-eye tiger target, lithographed in five colors and full directions on reverse side of target. Complete in compartment box 15½ x 14¼ inches, with striking four-color label.

Packed ½ dozen . . .. **Retails $1.00**

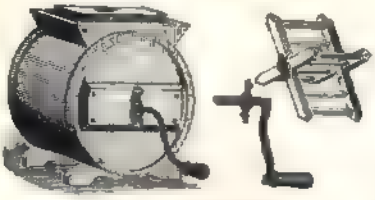
No. 1002—Archery Set. Consists of one Tiger Target, 2 Japanned target stands, one genuine hickory bow, 6 feathered arrows equipped with finest quality rubber tips. The arrows are kept securely in place as they are attached to cardboard holders, making an attractive showing in the box. Size of box 30 x 11¼ inches.

Packed ¼ dozen . . . . **Retails $2.00**

No. 1003—Archery Set. Consists of 36″ genuine ash bow, varnished and striped in colors, six 15″ arrows, feathered and rubber tipped, 1 cardboard holder for arrows, one 14 x 14 inch tiger target, one green metal tri-pod target stand, one complete set of directions, one quiver for arrows, one arm guard for the young archer. Complete in beautiful four-colored label box, 36½ x 14¼ inches.

Packed ⅙ dozen . . . . . **Retails $5.00**

CYLINDER CHURNS



Hardwood Varnished

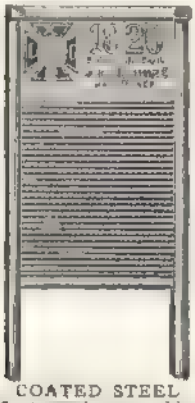
Cat. Nos.	Trade Nos.	Gals.	In Crate	Wgt. Crate
20261	1	3¾	6	65 lbs.
20262	2	4	6	84 lbs.
20263	3	7	3	105 lbs.

CHURN DASHERS

Cat. No. 20266 — Hardwood. Threaded handles. Handles, 40 ins. long.

WASH BOARDS

All packed ½ dozen in crate.



COATED STEEL

Cat. No. 20270 — Coated steel. Rubbing surface, 10x10½ ins. Globe crimp. Wide head. Size over all, 11½x23¾ ins.

BRASS

Cat. No. 20271 — Brass rubbing surface, 10¾x11 ins. Spiral crimp. Wide head. Open back, five trusses. Size over all, 12½x24 ins.

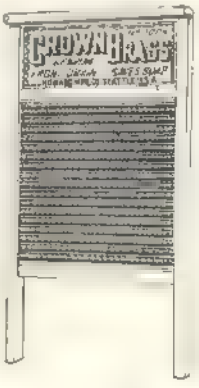
WASH BOARDS

BRASS

Cat. No. 20272 — Brass. Rubbing surface, 10x10½ ins. Spiral crimp. Wide head. Open back, three trusses. Size over all, 11½x24½ ins.

GLASS

Cat. No. 20273 — Glass rubbing surface, 10¾x12 ins. Pencil crimp. Wide head. Size over all, 12½x24½ ins.



BRASS

Cat. No. 20272-1—Brass Rubbing Surface, 11x11½ inches. Spiral Crimp. Open Back. Six Trusses. Over all, 12x24 inches.

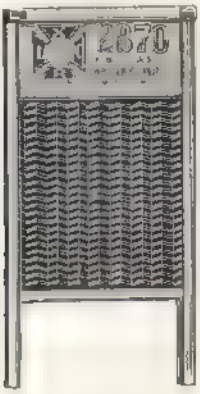
WASH BOARDS

GLASS

Cat. No. 20272-2—Glass Rubbing Surface, 10½x10½ inches. Spiral Crimp. Over all, 12x24 inches.

GLASS QUEEN

Cat. No. 20272-4—Glass rubbing surface, 10⅝x11½ ins. Pencil crimp. Open back. Six trusses. Over all, 12x24 ins.



BLUE ENAMEL

Cat. No. 20274—Blue enameled rubbing surface 10⅞x12½ ins. Angle crimp. Wide head. Ventilated back. Size over all, 12½x24½ ins.

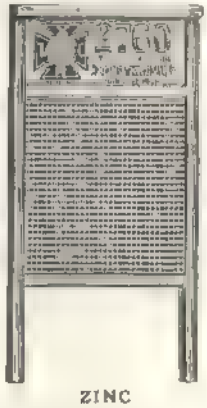
NICKEL SURFACE

Cat. No. 20275—Coated steel single rubbing surface, 10⅝x11 ins. Spiral crimp. Wide head. Open back, five trusses. Size over all, 12½x24 ins.

WASH BOARDS

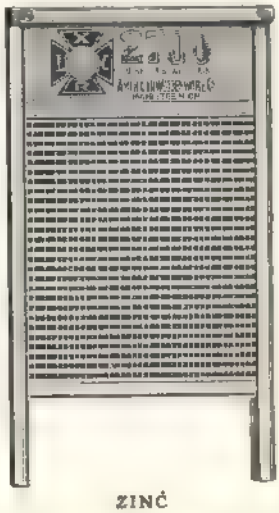
ZINC

Cat. No. 20276—Double zinc rubbing surface, 10⅞x11 ins. Globe crimp. Wide head. Size over all, 12½x24 ins.



ZINC

Cat. No. 20277—Zinc rubbing surface, 10⅝x11 ins. Globe crimp wide head. Ventilated back. Size over all, 12½x24 ins.



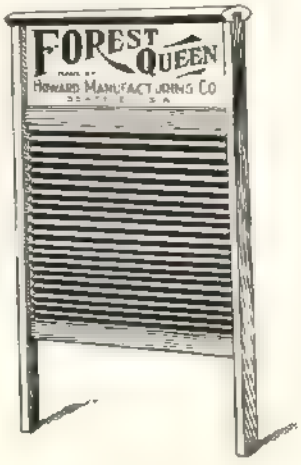
ZINC

Cat. No. 20282—Regular laundry size. Single zinc rubbing surface, 13x14½ ins. Fine globe crimp. Wide head. Ventilated back. Size over all, 14⅜x28¼ ins.

WASH BOARDS

ZINC

Cat. No. 20283—Medium laundry size. Single zinc rubbing surface, 12x13 ins. Globe crimp. Wide head. Ventilated back. Size over all, 13½x25 ins.



WOOD

Cat. No. 20285—Wood rubbing surface. Reversible. Size over all, 12½x24 ins.

ZINC

GLASS

ZINC

Cat. No. 20290—Pail Size. Zinc perforated rubbing surface, 7x8¾ ins. Globe crimp. Size over all, 8¾x18 ins.

GLASS

Cat. No. 20291—Pail Size. Glass rubbing surface, 5⅞x7¾ ins. Pencil crimp. Plain head. Size over all, 7½x16 ins.

WASH BOARDS

COATED STEEL

Cat. No. 20292—Pail Size. Coated steel rubbing surface, 5½x7¾ ins. Globe crimp. Size over all, 7½x16 ins.

ZINC

Cat. No. 20293—Apartment House Size. Zinc Rubbing Surface, 8½x9½ inches. Pencil Crimp. Size over all 9¾x20 inches.

ACORN TOWEL RACK.

ACORN TOWEL RACK

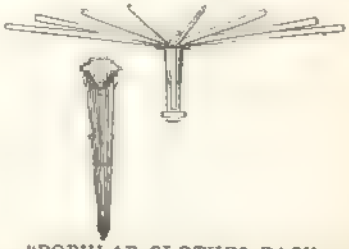
Cat. No. 20300—Fancy wood back. Three 12½-inch arms. Oak finish. 1 dozen in carton.

"HANDEE" TOWEL RACK

Cat. No. 20301—Steel, Nickeled Back. Three 12-inch Hardwood Arms, Natural Finish, Varnished. 1 dozen in carton.

PEERLESS TOWEL RACK

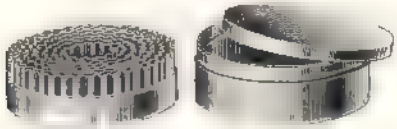
Cat. No. 20302—Three 14-inch White Enamel Arms with Nickel Plated Tips. Steel Nickel Plated Wall Plate.



"POPULAR CLOTHES RACK

Cat. No. 20304—Arms and back of maple, thoroughly machined. Pressed steel shelf. Japanned. Steel top plate at head of rack prevents sagging. Has eight arms 24 ins. long.

IMPORTED FINE TINWARE



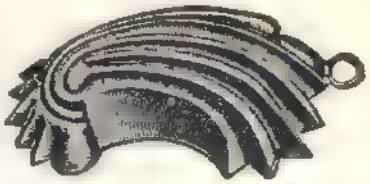
Cat. No. 8880 [illegible] Cutters. Imported Set [illegible] sizes. Packed one [illegible]

Cat. No. 8884—Round Cake Cutters. Imported 2, inches. 1 dozen in carton.

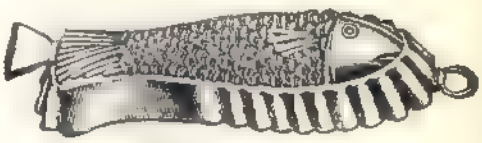
Cat. No. 8886—Assorted Cutters. Imported [illegible] 2¼ inches. 1 dozen on card. No [illegible]

Cat. No. 8888—Imported Assorted Individual Jelly Moulds. About 3½ [illegible] 1 dozen in carton

IMPORTED FINE TINWARE



Imported Heavy Quadruple Jelly Moulds
Cat No. 8890 7 [illegible]
Cat No. 8891 [illegible]



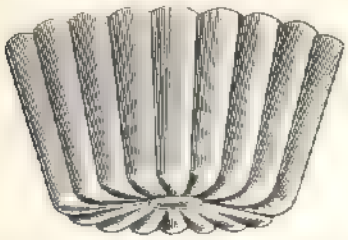
Imported Heavy Quadruple Jelly Moulds
Cat No. 8894 9½ [illegible]
Cat No. 8895—10½ [illegible]
Cat No. 8896 11¾ [illegible]

Cat. No. 8910 Heavy Retinned Jelly Moulds. Imported 11¾ inches

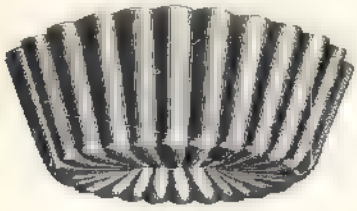
Cat No. 8920 Heavy Retinned Jelly Moulds Imported. 7¾ inches

Cat No. 8930—Heavy Retinned Jelly Moulds Imported. 7 inches

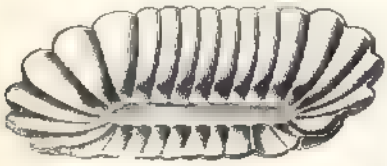
IMPORTED FINE TINWARE



Cat. No. 8931 Imported Round Retinned Jelly Moulds. Nest of 3 in carton. 1 each, 5¼x4, 6¾x4 7-4x5 ins.



Cat. No. 8932 Imported Oval Retinned Jelly Moulds. Nest of 3 in carton. 1 each, 5x2 ¾, 6¾x2¾, 7 4x3¾ ins.



Cat. No. 8933 Imported Oblong Retinned Jelly Moulds. 8 2x3 1-4x1 3-4 ins.

Heavy Retinned Pudding Moulds. Imported With Lock Cover and Tube.
Cat. No. 8940 5¾ ins.
Cat. No. 8941 6 ins.
Cat. No. 8942 7 ins.
Cat. No. 8943 8 ins.

HEAVY RETINNED PUDDING MOULDS
With Lock Cover and Tube.

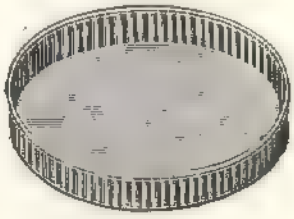
Cat Nos.	Height Ins.	Width Ins.
8945	6	5½
8946	7½	7

IMPORTED FINE TINWARE

HEAVY CAKE MOULDS

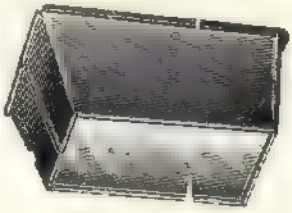
Cat Nos	Ins
8950	7¾
8951	9

Cat. No. 8954—Imported Fluted Sandwich Tray. 8½ ins. over all.

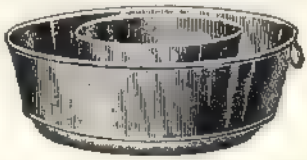


IMPORTED CRINKLED SANDWICH TRAY

Cat Nos.	Size, Ins.
8955	8
8956	9



Cat. No. 8959—Imported Individual Bread Tin. 5x3x2¾ ins.



HEAVY TIN RICE RINGS OR PUDDING COOKER

Cat Nos	Ins.
8960	9¾
8961	10½
8962	11¾

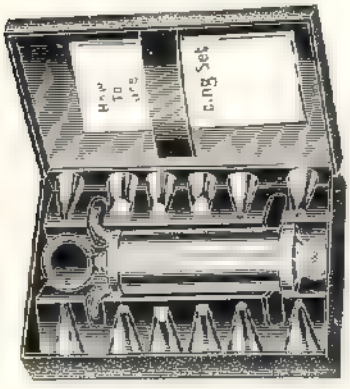
CAKE ORNAMENTERS

SQUIRT GUN FOR DECORATING CAKES, Etc

Cat. No.	Trade Nos.	Size of Barrel Ins.
8963	146-N-1	1⅝x6½ ins.
8963-1	146-N-2	1¾x8 ins.
8963-2	8963	2¼x8½ ins.

IMPORTED CAKE ORNAMENTING SYRINGE

Cat. No. 8969—Trade No. 583. With four assorted tubes. Polished Tin Barrel 1⅛x4¼ ins. Ring grips. Packed in bulk.



ATECO CAKE ICING SET

Light and Durable, Caps of Britania Metal. Will not tarnish or corrode. Size of barrel, 4½x1¼ inches. All parts interchangeable and can be duplicated.

Cat. No. 8965 Trade No. 443D. Packed One Set in Box with Six Assorted Brass Ornamenting Tubes.

Cat. No. 8966 Trade No. 556D. Packed One Set in Box with Twelve Assorted German Silver Ornamenting Tubes.

Cat. No. 8967 **No. 1 ATECO ASSORTMENT**

This Durable, Cloth covered Box contains
72 Only Assorted Star and Plain Pastry Tubes
144 Only Assorted Star and Plain Brass Pastry Tubes
12 Only No. 0 Standard Canvas Pastry Bags
12 Only No. 1 Standard Canvas Pastry Bags
12 Only No. 2 Standard Canvas Pastry Bags
3 Only No. 556D Standard Cake and Pastry Decorator.
3 Only No. 333C Standard Cake Ornamenters
3 Only No. 443 Standard Ornamenting Syringes

FOR FANCY RETINNED
IMPORTED PUDDING MOULDS
SEE PAGES 148, 149.

CAKE ORNAMENTORS

Rubber

Canvas

RUBBER PASTRY BAGS

Cat. Nos.	Trade Nos.	Length, Ins.
8970	1	9½
8971	2	12
8972	3	15

CANVAS PASTRY BAGS

Cat. Nos.	Trade Nos.	Length Ins.
8976	0	10
8977	1	12
8978	2	14
8979	3	16

TIN ORNAMENTING TUBES

8982	Tin Pastry Tubes. Assorted Stars
8983	Tin Pastry Tubes. Assorted Rounds.

BRASS ORNAMENTING TUBES

Cat. Nos.	
8985	Plain. Assorted Sizes.
8986	Star. Assorted Sizes.

ATECO CAKE ORNAMENTOR SET

Set consists of one No. 2 Rubber Bag and 12 assorted Brass Tubes. Union Joint will not tarnish.
Cat. No. 8987 Packed one set in a box.

ATECO CAKE ORNAMENTOR SET

Set consists of one No. 2 Rubber Bag and 6 assorted Brass Tubes. Union Joint will not tarnish.
Cat. No. 8988 Packed one set in a box.

LANTERNS

DIETZ "BLIZZARD"

Cold Blast, For Kerosene

Bright Tin, Patented Reinforcing Tubes, Security Standing Bail; Patent Brass Eyelets; No. 262 Patented Steel Burner; Specially Braced Lift Guide; Patent Positive Locking Globe Lift; Dietz Blizzard "Loc-Nob" Globe; Large Oil Filler with Wired Filler Cap; Double Seamed Solderless Oil Fount.

Height Over All, 14¾ in.; Volume of Light by Test, 10 Candle Power; Size of Wick, 1 in.; Capacity of Fount, 20 Hours.

Each

No. 2—Tin Fount $1.75

Weight Each 2½ Pounds

Six in a Case

DIETZ "D-LITE"

Cold Blast, For Kerosene

Bright Tin; Patented Reinforcing Tubes; Security Standing Bail; Patent Brass Eyelets; No. 262 Patented Steel Burner; Specially Braced Lift Guide; Patented Positive Locking Globe Lift; Dietz D-Lite "Loc-Nob" Globe; Large Oil Filler with Wired Filler Cap; Double Seamed Solderless Oil Fount.

Each

No. 2 D-Lite—Height Overall 13¾ in.; Volume of Light by Test, 10 Candle Power; Size of Wick, 1 in.; Capacity of Fount, 20 Hrs; Weight Each 2½ lbs. $1.75

Six in a Case

DIETZ "D-LITE" LARGE FOUNT

Cold Blast, For Kerosene

Bright Tin; Patented Reinforcing Tubes; Security Standing Bail; Patent Brass Eyelets; No. 262 Patented Steel Burner; Specially Brace Lift Guide; Patented Positive Locking Globe Lift; Dietz D-Lite "Loc-Nob" Globe; Large Oil Filler with Wired Filler Cap; Double Seamed Solderless Oil Fount.

Each

No. 2LF—D-Lite Large Fount; Ht. Over All, 13¾ in.; Volume of Light by Test, 10 Candle Power; Size of Wick 1 in.; Capacity of Fount, 35 Hours; Wt Each 2¾ lbs. $2.00

Six in a Case

DIETZ "LITTLE WIZARD"

Cold Blast, For Kerosene

Bright Tin; Security Standing Bail; Patent Brass Eyelets; No. 261 Patented Steel Burner; Specially Braced Lift Guide; Patented Positive Locking Globe Lift; Dietz Little Wizard "Loc-Nob" Globe; Large Oil Filler with Wired Filler Cap; Double Seamed Solderless Oil Fount.

Each

Little Wizard—Height Over All, 11⅛ in.; Volume of Light by Test, 6 Candle Power; Size of Wick, ⅝ in.; Capacity of Fount, 20 Hrs; Wt. Each 1¾ lbs. $1.25

Twelve in a Case

LANTERNS

RAILROAD

Solid Metal Bell Bottom and Inside Oil Pot which cannot Drop Out; Substantial Round Wire Guard protects the Globe. Globe and Loose Oil Pot Lifts in and out when the Top of Lantern is turned back on its Hinge. It has an Outside Wick Raiser. Highly Polished Tin Body. A Patented Locking Device holds Fount Securely to Frame.

Each

No. 39—10 in. High; Volume of Light, 2 Candle Power; 1 in Wick; for Signal Oil; Capacity of Fount, 24 Hours; White Vulcan Globe No. 39; special Ratchet Burner No. 1 Extra; Weight Each 3½ lbs. $2.00

Twelve in a Case

GASOLINE LANTERNS

COLEMAN'S "QUICK-LITE"

These Lanterns are Match Lighting Air-o-Lite; They Make and Burn Their Own Gas from Common Gasoline. Give a Three Hundred Candle Power Light of a Wonderfully Soft White and Eye-Restful Quality. Has no Wick to Trim and no Chimney to Clean. Can't Spill Fuel or Explode, Even if Upset. Will Last a Life-Time with Ordinary Use. They are Solidly Built of Brass and Carefully Tested by Actual Lighting Before Packing.

A lantern for all purposes, for farmers, watchmen, hunters, campers, etc. Is rain, wind and bug proof. Lights with a match through door in mica chimney. Complete with chimney, mantles, pump, wrench, cleaning pick and extra generator.

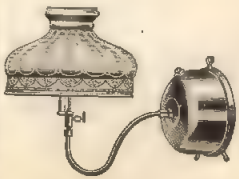
Each

No. LS27—Capacity 3 pt. Burns 18 Hours on One Filling; 14 in. High; 6 in. Diameter of Fount; Wt. Each 6 lbs. $10.50

One in a Carton

GASOLINE BRACKET LAMPS

COLEMAN'S QUICK-LITE



Equipped with Oval Panel Shade. Handy in Rooms with low Ceilings, in Halls, Bathrooms, and over Desks. Can also be used as a Table Lamp. Complete with Shade, Mantles, Pump, Wrench, Hanger, Cleaning Pick and Extra Generator.

Each

No. BS20—Panel Shade; 13 in. High; 7 in. Diameter of Fount; Burns 18 Hours on One Filling; 3 Pt. Capacity; Weight 9 pounds $13.50

One in a Carton

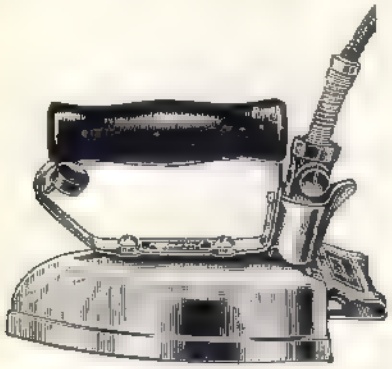
IRONS

"HOTPOINT" DOMESTIC

Top nickel plated, ebonized handle with the hotpoint hinged plug cord protector and large red thumb rest. Complete with cord and plug

Cat. Nos.	Trade Nos.	Weight	Wattage
15452	113F22	3 lbs.	330
15454	115F65	6 lbs.	575

NOTE: The three lb has no Thumb Rest



HOTPOINT MODEL R

Top Nickel Plated, Cantilever Ebonized Wood Handle, Heel Rest. Complete with Cord and Separable Plug

Cat. No.	Trade No.	Weight	Wattage
15455	115F62	5 lbs	510
15457	115F61	6 lbs	575

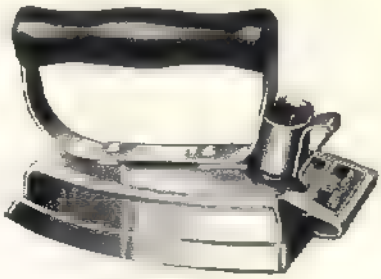
"HOTPOINT" ADJUSTABLE VOLTAGE

110 to 220

Same design and general appearance as domestic iron, but is provided with contrivance which permits adjustment of voltage capacity affording a range of from 100 to 125 when set for 110-volt circuit, and from 220 to 250 when set for 220-volt circuit. Equipped with cord, plug and interchangeable contact plug

Cat No	Trade No.	Weight
15456	113F21	3 lbs.

IRONS



"HOTPOINT" AUTOMATIC IRON

Cat. No. 15458—Trade No. 115F59. Has thermostatic switch which cuts off current when overheated. Weight, 6 lbs. Designed for domestic use. Similar in appearance to standard 6 lb. Hotpoint Iron

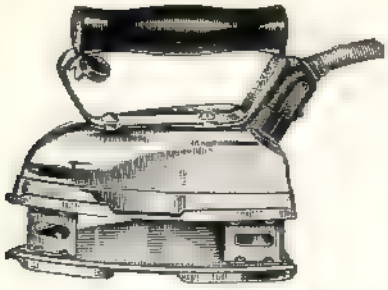
HOTPOINT DE LUXE TRAVELING IRON

Cat. No. 15464—Trade No. 114-F-22. De Luxe three-pound Iron. Highly polished and fitted with a White Enameled Wood Handle. Complete with Grey Silk Cord and Plug. Packed in a Grey Pebbled Grain Leatherette Finish Case.

HOTPOINT REPAIR KIT

Cat. No. 15468—Complete with Display Box. Interchangeable Supply Parts for repairing Hotpoint and Edison Irons. Kit contains 2 Handles, 12 Plug Case Halves, 8 Terminals, 12 Contact Springs, 10 Plug Screws, 1 Thumb Rest.

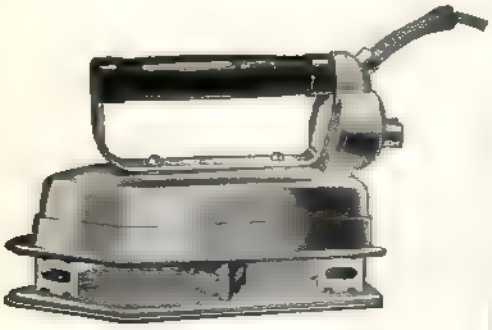
IRONS



"HOTPOINT" LAUNDRY IRON

Top nickel plated, ebonized handle with thumb rest. Has two-deck stand, suspension spring and cord. Also hinged plug cord protector. Requires special wiring. Packed one in a carton.

Cat. Nos.	Trade Nos.	Weight	Soleplate	Wattage
15470	117F28	7½ lbs.	4 x7 ins.	700
15471	118F28	8½ lbs.	4 x7 ins.	750
15472	119F28	10 lbs.	4¾x7 ins.	800
15473	11312	12 lbs.	5⅛x7⅝ ins.	850
15474	11315	15 lbs.	5⅛x8 ins.	900



"HOTPOINT" TAILOR IRON

Three Heats

Made in the approved "goose" shape, otherwise same construction as the laundry iron. Three-heat construction. Different heats obtained by permanently attached three-heat rotary snap switch on handle. Has two-deck stand and suspension spring cord. Requires special wiring. Packed one in a carton.

Cat. Nos.	Trade Nos.	Weight	Soleplate	Wattage
15477	438F24	15 lbs.	3 x10¼ ins.	800-400-200
15478	439F24	20 lbs.	3½x10½ ins.	900-450-225
15479	431F24	25 lbs.	4 x12 ins.	1000-500-250

THERMAX

Full Nickel Plated, Ebonized Handles. Tip-Up Model. Complete with 6 ft. Cord and Plug.

Cat. No.	Trade No.	Weight	Wattage
15482	3902	6 lbs.	550

"UNIVERSAL" IRONS

"ROUNDHEEL" MODEL

Round Heel bevel edge iron, the latest development. Does not gather or wrinkle material. One piece seamless brass, nickel plated hood. Nickel plated base. Ebonized handles. Complete with stand, cord and plug.

Cat. No.	Trade No.	Weight	Wgt. Packed	Wattage
15483	E909	6½ lbs.	7¾ lbs.	580

UNIVERSAL

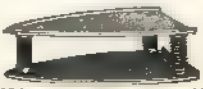
Full Nickel Plated, Ebonized Handle. Tip-Up Model. Complete with 6 ft. Cord and Plug.

Cat. No.	Trade No.	Weight	Wattage
15488	9070	6 lbs.	525

TOURISTS' IRON

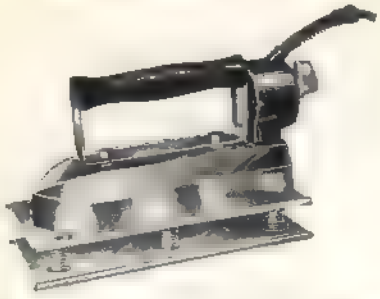
Can be inverted for smoothing velvets, etc., or used as a stove. Has hole in end for heating a curling iron. Velvet bag. Full nickel plated, ebonized detachable handles. Complete with stand, 6 ft. cord and plug. Packed in individual cartons.

Cat. No.	Trade No.	Weight	Wattage
15489	E932F	5 lbs.	350



Cat. No. 15490 — Seat is [illegible]. Aluminum plates supported by nickel-plated springs. Reversible and heat-proof

"UNIVERSAL" IRONS



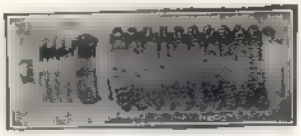
UNIVERSAL ELECTRIC TAILOR IRONS

3 Heat Indicating Snap Switch

Polished nickel-plated finish. Ebonized handle. Oval point. Complete with cord, plugs, etc. Patented heat-proof stand. Packed one in wooden case.

Cat. No.	Trade No.	Weight	Wattage Low	Wattage Medium	Wattage High
15494	9115	15 lbs.	212	4[illegible]5	8[illegible]1
15495	9120	20 lbs.	225	450	900

HEATER ELEMENTS



FITS-ALL HEATER ELEMENTS

Cat. No. 15497—Can be used in all standard Socket Reflector Heaters.

HOTPOINT HEATER ELEMENTS

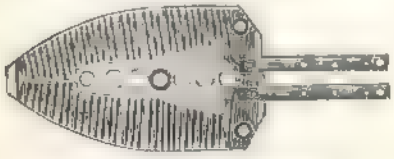
Cat. No. 15497-1—Trade No. H. H. 71. Fits all New Style Heaters.

Cat. No. 15497-2—Trade No. H. H. 30. Fits 116-A-17 and 30701 Heaters.

MAJESTIC HEATER ELEMENTS

Cat. No. 15497-3—Trade No. 130. Fits the Nos. 107 and 111 Heaters.

Cat. No. 15497-4—Trade No. 136. Fits the Nos. 5, 6, 9, 108 and 1[illegible] Heaters.



FITS ALL IRON ELEMENTS

Cat. No. 15496—Constructed so it can be used in almost all Electric Irons.

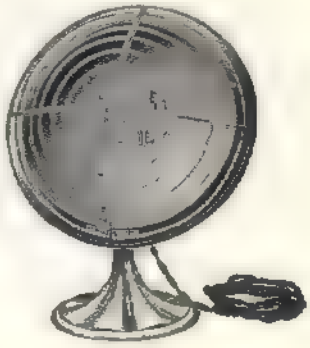
HOTPOINT IRON ELEMENTS

Cat. Nos.	
15496-1	Fits 113-F-22 Iron.
15496-2	Fits 115-F-50 Iron.
15496-3	Fits 115-F-51 and 115-F-61 Iron.

ELECTRIC HEATERS

Cat. No. 15500—Trade No. 107 "MAJESTIC." Nickel-plated base. Burnished copper reflector. Removable wire guard. Dead air space keeps back always cool. Height, 16 ins. Weight, 7½ lbs. 615 watts. Complete with cord and separable attachment plug.

Cat. No. 15501—Trade No. 111 "MAJESTIC." Extra large burnished copper reflector. Diameter, 14½ ins. Removable wire guard. Dead air space between steel back and reflector keeps back cool. Base finished in satin buff. Complete with cord and separable plug. Height, 19½ ins. Weight, 7½ lbs. 615 watts.



Cat. No. 15502—Trade No. 108. Same as No. 111, but with two elements.

"UNIVERSAL" HEATERS

UNIVERSAL JUNIOR HEATERS

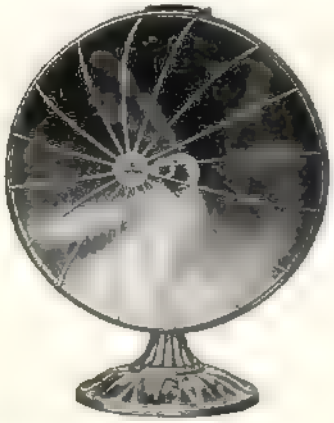
Sold in Assortments Only

Burnished Solid Copper 10-inch Tilting Reflector With Removable Guard, 12½ inches High, with extra large base that has hold for hanging on wall. Packed in individual cartons and three in an assortment. Assortment No. 1: Rova Blue, Mahogany Red, and Sage Green. Assortment No. 2: Old Rose, Ivory and French Grey.

Cat. No. 15503-1 Assortment No. 1
Cat. No. 15503-2 Assortment No. 2

UNIVERSAL

Cat. No. 15503-3—Trade No. 9907. Heavy Cast Base. Mahogany Red Finish. 12-inch Solid Copper Reflector. Adjustable to any angle. Removable Wire Guard. Height, 14 inches.



UNIVERSAL

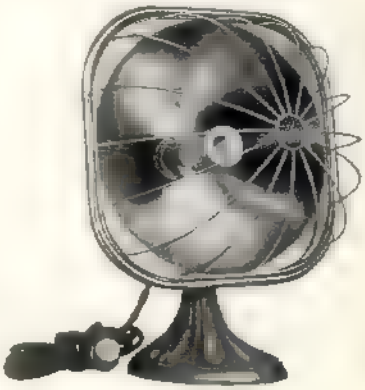
Cat. No. 15503-4. Trade No. 9914. 14-inch Solid Copper Reflector, adjustable to any angle. Removable Wire Guard. Heavy cast base. Dark Bronze Enamel Finish. Height, 18 inches.

L. AND H. HEATERS

Solid Copper Reflector made ex a deep for more heat. Screw-in type element. Reflector adjustable to any position. Massive constructors. Antique Ivory Finish.

L. AND H. RADIATOR

Cat. No	Trade No.	Reflector	Height	Weight
15506	402	14x14 ins.	18 ins.	10 lbs



L. AND H. HEATERS

Cat. No.	Trade No.	Reflector	Height	Weight
15506-1	401	12x12 ins.	17 ins.	9 lbs

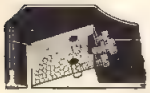
L. AND H. HEATER

Cat. No.	Trade No.	Reflector	Height	Weight
15506-2	400	10 ins.	15 ins.	6 lbs

"BED ROCK" AND "BAILEY" IRON PLANES

STANLEY'S

The Illustrations Below will show the present outside appearance of Iron Bench Planes identified by this Company's trademarks "Bed Rock" and "Bailey," long and favorably known. The Knob on both "Bed Rock" and "Bailey" Planes is of special design, giving great ease in handling. It will be noticed that the shape of the sides of the "Bed Rock" is distinctive and readily identifies the Plane. The essential differences in the two lines of Planes cannot be seen from the outside but consist of the design of the Frogs and Frog Seats.



"Bed Rock"

In **Bedrock** Planes the Bottom of the Frog is Machined so as to Make it a Tongue which Fits into a Groove Formed in the Bottom of the Plane This Design Insures Great Solidity and Perfect Alignment Between the Frog and the Bottom

The Movement of the Frog in the Groove for Widening or opening the Throat and the Loosening or Tightening of the Frog to the Base of the Plane is Governed by Screw Adjustment which may be operated without Removing the Cap or the Cutter.

In the **BAILEY** Plane the Frog may be Adjusted for width of Throat Opening After Removing the Cap and the Cutter and Slightly Loosening the Screws which Clamp the Frog to the Base

The Illustration Shows the Ribbed Construction of the Bottom and the Machined Surfaces which give Great Solidity and Solid Setting for the Frog (A).

The **Cutters** are the same in both Planes, made of a Thin Parallel Steel of High Quality. This Cutter is Easily Kept Sharp by Honing. With Occasional Grinding Insuring little Work and small Possibility of Stubbing the Bevel. In both Frog Designs the Cutter is Securely Bedded Clear to the Heel.

Both "Bed Rock" and "Bailey" Cutters are Adjustable Either Endwise or Sidewise.

"BAILEY"

IRON PLANES

"BAILEY" ADJUSTABLE

"Bailey" Iron Planes are the Recognized Standard of This Type. The Frog has a Support Directly at the Rear of the Mouth, Making Practically one Solid Piece from the Cap to the Bottom.

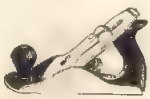
Japanned Cast Iron Frame, Varnished Rosewood Handle and Knob, Polished Steel Cap, High Quality Tempered and Polished Tool Steel Cutter, Screw and Lever Adjustment, Brass Screw.

SMOOTH BOTTOM

Each

No. 2—Smooth, 7 inches long, 1⅝ in. Cutter; Wt. Each 2¼ lbs. . . **$4.60**

No. 3—Smooth, 8 inches long, 1¾ in Cutter, Wt Each 3⅛ lbs. **$4.80**



Each

No. 4—Smooth, 9 inches long, 2 in. Cutter; Wt. Each 3¾ lbs. **$5.25**

Each

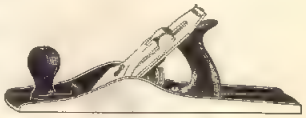
No. 4½—Smooth, 10 inches long, 2 in Cutter, Wt. 4¾ lbs. **$6.05**

Each

No. 5—Jack, 14 in. long, 2 in. Cutter; Wt. 4¾ lbs. . . . **$6.05**

No. 5½—Jack, 15 in. long, 2¼ in. Cutter; Wt 6¾ lbs . . . **$6.75**

All Above one in a Box



Each

No. 6—Fore, 18 inches long, 2⅜ in. Cutter; Weight Each 7¾ lbs **$7.70**

Each

No. 7—Jointer, 22 inches long, 2⅜ in. Cutter; Weight Each 8⅛ lbs. **$8.80**

No. 8—Jointer, 24 inches long, 2⅜ in. Cutter; Weight Each 9⅝ lbs. **$10.50**

CORRUGATED BOTTOMS

The Corrugated Bottoms Create Very Little Friction and make an Easier Running Plane than the Smooth Bottom.

Each

No. 3C—Smooth, 8 inches long 1⅝ in. Cutter, Weight Each 3⅛ lbs. **$5.15**

No. 4C—Smooth, 9 inches long, 2 in. Cutter; Weight Each 3¾ lbs. **5.60**

No. 4½C—Smooth, 10 inches long, 2⅜ in Cutter; Weight Each 4¾ lbs. **6.50**

All Above one in a Box.

AXES

MANN'S

Hand Forged, Welded Blades. Best Grade Crucible Axe Steel. 1 dozen in crate.
Cat. No. 17721—3 to 4 lbs., Assorted.
Cat. No. 17721-1—3½ to 4½ lbs., Assorted.

HATCHETS

CRAFTMAN SHINGLING HATCHET

Cat. No. 17722. Cast steel. Width bit, 3½ inches. One dozen in box.

CRAFTMAN CLAW HATCHET

Cat. No. 17724. Fine Cast Steel. Width bit, 3⅜ ins. One dozen in box.

HATCHETS

ACME SHINGLING HATCHETS

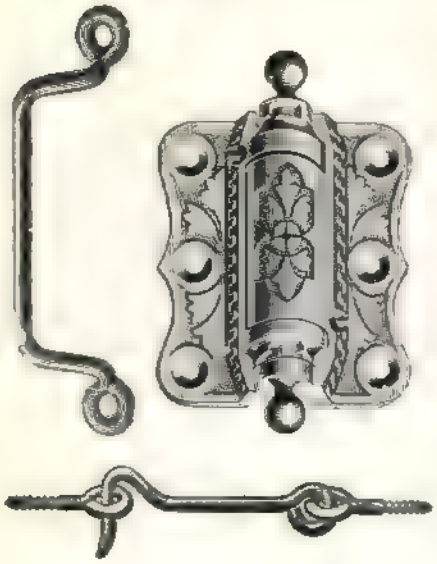
Cat. No. 17723—Solid Steel Forged. Weight each, 1 lb., 4 oz. Width of Bit, 4 inches. ½ doz. in box.

Cat. No. 17725. Solid Steel Forged. Weight each, 1 lb., 9 oz. Width of Bit, 4 inches. ½ doz. in box.

BROAD HATCHETS—HANDLED

Fine cast steel. Sharp.
Cat. No. 17726—Trade No. 3. 5 in cut.
Cat. No. 17728—Trade No. 4. 5 in cut.
Cat. No. 17730—Trade No. 5. 6 in cut.

SCREEN DOOR SETS



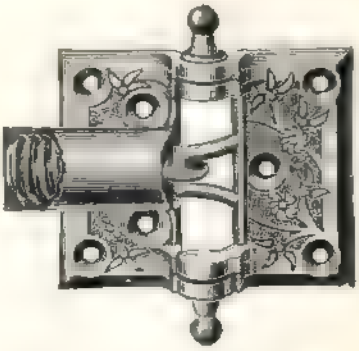
Cat. No. 17703—Set consists of 1 pair japanned hold back spring hinges, 1 door pull, brass plated steel wire, 1 brass plated wire hook. With screws to match.

No. 161

No. 51

Cat. Nos.	Trade Nos.	Ins.		
17706	161	10	Light	Japanned
17707	162	11	Heavy	Japanned
17708	51	16	Light	Japanned
17709	53	16	Heavy	Japanned

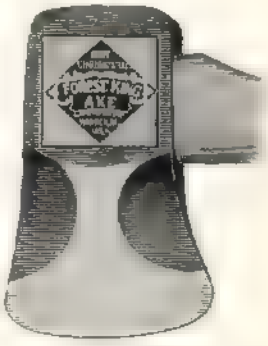
DOOR SPRINGS



HOLD BACK SPRING HINGES

Cat. No. 17700—Tempered steel. For right or left hand doors.

AXES



"CENTURY"

Best cast steel. Hand forged. Razor edge. Handled. Excellent weight for balance.

Cat. No. 17714—3 to 4 lbs. Assorted

Cat. No. 17716—3½ to 4½ lbs. Assorted

One dozen in case.

"SAGER SPECIAL"

Best cast steel. Hand forged. Razor edge. Handled.

Cat. No. 17718—3 to 4 lbs. Assorted

Cat. No. 17720—3½ to 4½ lbs. Assorted

One dozen in case.

CANTEENS

Galvanized. Blue Blanket Covering. Double seamed edges. Galvanized tubular feet. Heavy duck strap Zinc screw filler cap.

Cat. Nos.	Cap., Qts.	Diam., Ins
21716	2	7¾
21717	3	7¾
21718	4	9¾
21719	6	10½
21720	8	11⅜
21721	10	11 7/9

GOVERNMENT

Cat. No. 21728—Galvanized steel. Duck covering, blanket lined. Long duck strap, length adjustable by nickel slide. Zinc screw filler cap. Opening is to one side top center. 1 pints.

BOY SCOUT

Cat. No. 21730—Made to comply with requirements of Boy Scouts. Galvanized iron. Duck covered, with long duck strap, length adjustable by nickel slide. 1 quart.

CANTEENS

AUTO CANTEEN

Galvanized steel. Double seamed and soldered. Blanket covered. Galvanized drop handle. Cork lined zinc screw filler cap.

Cat. Nos.	Capacity, Gals
21741	1
21742	2
21743	3

DESERT WATER BAGS

Made of special treated imported flax

REGULAR SHAPE

Cat. Nos.	Size, Gals.	Ins.
21701	1	9 x12
21702	2	12 x16
21703	3½	16 x24
21704	5	16½x24

WIDE TOP—OPEN TOP

Cat. Nos.	Size, Gals.	Ins.
21706	1	9 x12
21707	2	12 x16
21708	3½	16 x24
21709	5	16½x24

CAST ALUMINUM WAFFLE MOULDS

Frames are Cast Iron Japanned

HIGH FRAME WAFFLE MOULD—SQUARE
For Oil Gas and Gasoline Stoves

Cat. No.	Trade No.	Ins.
5731	8	9x9

SOLID CAST ALUMINUM SCOOPS

Cat. Nos.	Trade Nos.	Ins.
5745	0	3 x 8½
5746	01	4 x10
5747	1	4 x11
5748	2	5 x12
5749	3	5½x14
5750	4	6⅝x15½

OUR LINE OF
REFRIGERATORS
IS THE LARGEST ON THE COAST
AND BEST SELECTED
ALL STYLES, ALL SIZES, ALL PRICES

SEE PAGES 475 to 480.

SPECIAL CAST IRON WARE

A good line for a low price and for special sales. Will give satisfaction to the user.

DUTCH OVENS

Cat. Nos.	Trade Nos.	Diam. Top	Wgt. Doz.
Unpolished. Natural Finish. Self Basting			
5800	7	8	60
5801	8	9	68
5802	9	10	32
5803	10	12½	62

WAFFLE IRON
Low Pattern

Cat. Nos.	Trade Nos.	Wgt. Doz. Lbs.
5805	7	72
5806	8	102

WAFFLE IRON
High Pattern

Cat. Nos.	Trade No.	Wgt. Doz. Lbs.
5807	8	80

SKILLETS
Polished. Lapped Sides.

Cat. Nos.	Trade Nos.	Diam. Bot. Ins.	Wgt. Doz.
5808-3	3	5¾	20
5808-4	4	6¾	26
5808-5	5	7¾	30
5809	6	8¾	36
5810	7	9¾	42
5811	8	10¾	48
5812	9	11¾	54
5813	10	13¾	60

ROUND GRIDDLES
Polished

Cat. Nos.	Trade Nos.	Diam. Bot. Ins.	Wgt. Doz
5815	7	8⅜	30
5816	8	9⅜	42
5817	9	10¾	48

LONG GRIDDLES
Polished

Cat. Nos.	Trade Nos.	Dimensions	Wgt. Doz.
5819	7	7⅝x16¾	66
5820	8	8⅞x19⅜	90
5821	9	10⅛x21½	120

CAST ALUMINUM WARE

COLONIAL TEA KETTLE

Modern and Artistic Design. Automatic Lid, hinged at side and opened by pressing down bail. Fitted with Lime Strainer.

Cat. Nos.	Trade Nos.	Qts.
5703		4
5701	5½	5
5702	3½	6

GRISWOLD SAFETY TEA KETTLES

Colonial Pattern. Extra Large Bottom. Patented Filling Device.

Cat. Nos.	Trade No.	Cap. Qts.
5709	44	4
5710	45	5
5711	546	6

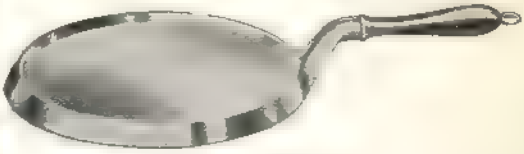
SKILLET

Rubberoid Handle

This is without doubt the famous [illegible] skillet on the market. It has [illegible] and a [illegible] to equalize the [illegible]

Cat. Nos.	Trade Nos.	Diam.
57.2	7	9
5713	8	10
5714	9	11¼

CAST ALUMINUM WARE



HANDLED GRIDDLE

Cat. Nos.	Trade Nos.	Diam.
5717	7	8⅝
5718	8	9¾
5719	9	10¾

LONG GRIDDLE

Cat. No.	Trade No.	Ins.
5722	8	8¾x9½

CAST ALUMINUM WAFFLE MOULDS

Frames are Cast Iron Japanned

LOW FRAME WAFFLE MOULD—ROUND

For Coal and Wood Stoves

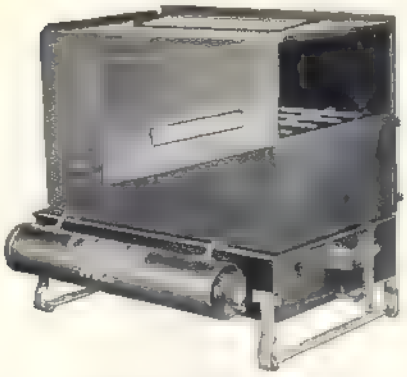
Cat. No.	Trade No.
5725	8

HIGH FRAME WAFFLE MOULD—ROUND

For Oil, Gas and Gasoline Stoves

Cat. No.	Trade No.
5729	8

COLEMAN CAMP STOVES



COLEMAN CAMP STOVES

Cat. No. 17067 Trade No. 2. Equipped with Oven that can be used as a Windshield Warming Closet or Side Shelf. Tank swings on swivel hinges to turn inside when stove is folded up for carrying has built-in pump. Two full size burners with handy valve controls. Other [illegible] Folds into suitcase to 18½x11½x4 inches over all. Packed one to a carton.

HIGH STAND PRICED SEPARATELY

COLEMAN CAMP STOVES

Cat No 17068 Trade No. 9 With windshield that can be used as a side shelf, detachable fuel tank with built-in pump. Two full size burners with hot blast starter equipped with handy valve controls. Folds to 18 ins. x11½x3 inches. One in a carton.

COLEMAN HIGH STAND

Cat. No. 17066 -Steel Construction. 24 ins. high. All folding parts lock automatically, making a rigid high stand. Folds to 2x2x17 ins. to fit inside of stove for carrying.

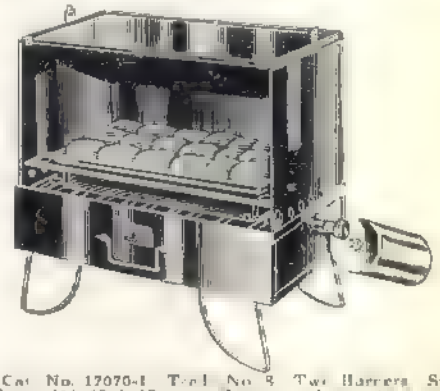
COLEMAN AUTO SIPHON

Cat. No. 17069—Used by auto campers. If your stove goes dry, just siphon the necessary gasoline from your automobile tank and get right to cooking.

"KAMPKOOK" CAMP STOVES—

It can be set up and lighted in one minute. Only [illegible] must be lighted, second burner is then lighted and turned off [illegible] a gas stove. Wind-proof and absolutely safe. Has unbreakable grate; burners can not clog and never require cleaning. Heat regulated to any desired [illegible] Folds into small space. Case made of heavy steel finished in olive drab baked enamel. Built for hard service.

Cat. No. 17070—Trade No. [illegible] Two Burner. Size [illegible] Weight 9½ lbs. Burners, 9 ins. to center.



Cat. No. 17070-1 Trade No. 8. Two Burners. Size folded, 4¾x10½x19 ins. Burners, 11 ins. to center, making it possible to use two large size pots. Complete with oven and windshield. One in a carton. Weight, 21 lbs.

Cat. No. 17071 -Trade No. 7. Two Burner. Size folded, 4½x10½x19½ inches. One in carton. Weight, 19 lbs. Burners, 11 ins. to center, making it possible to use two large size pots.

Cat. No. 17071-1—Trade No. 10. Three Burner. Size folded, 4½x10½x26 inches. 1 in carton. Weight 24 lbs. Burners 11 ins. to center making it possible to use two large size pots.

COLEMAN LAMPS AND LANTERNS

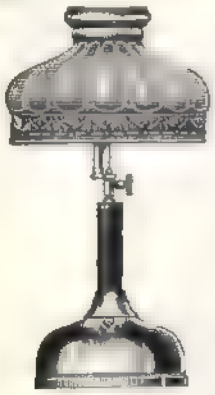
Safe, portable light, making and burning its own gas from common gasoline.

300 candlepower, strong, pure, white light. Brighter than 20 old style oil lamps or lanterns.

Can't spill fuel or explode even if tipped over. Can't be filled while lighted.

Light with matches. Lamp holds 3 pints. Burns 18 hours on one filling. Lantern holds quart. Good for 12 hours per filling. Costs less than half cent per hour to burn.

Made of brass, heavily nickel plated, and highly polished. Each lamp complete in a shipping carton Weight, 10 lbs

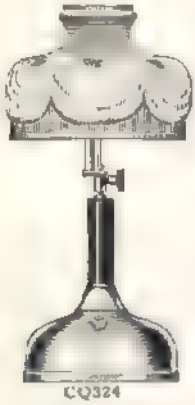


CQ329

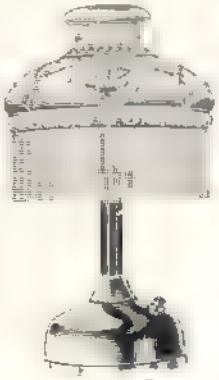
CQ318

Cat. No. 16765—Trade No. CQ329. Panel shape

Cat. No. 16756—Trade No. CQ318. Shade decorated in brown and tan tints with green vine and pink roses



CQ324



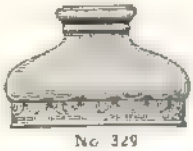
CQ335C

Cat. No. 16767 Trade No. CQ324. Shade is of mellotone opal glass, decorated in green tints with small wild roses.

Cat. No. 16768—Trade No. CQ335C Highly decorated shade with beaded fringe

SHADES ONLY

No. 334



No. 329

Cat. Nos.	Trade Nos.	
16770	334	White enameled steel shade
16771	329	Opal. Panel style
16772	329B	Same as 329, but with tan tint.

COLEMAN LAMPS AND LANTERNS

No. 318

No. 335A

Cat. Nos.	Trade Nos.	
16775	318	Tan tinted with wild rose decorations
16776	324	Same as No. 318, but green tinted
16777	335A	Green tinted. Crystal fringe
16778	335C	Brown tinted. Crystal fringe
16779	335D	Brown tinted with wild flower decoration with crystal beaded fringe

SHADE ASSORTMENT No. 1

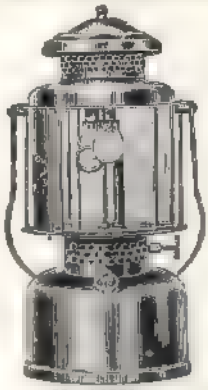
Consisting of six shades as follows:
2 only No. 29. 2 only No. 318. 2 only No. 324.

Cat. No. 16781—Assortment complete in carton

SHADE ASSORTMENT No. 2

Consisting of six shades as follows
3 only No. 329. 1 only No. 318. 1 only No. 324
And 1 only No. 335

Cat. No. 16782—Assortment complete in carton



No. 16785

No. 16786

COLEMAN LANTERN WITH MICA CHIMNEY AND REFLECTOR

Cat No. 16785 Trade No. L327. Gives 300 candle power. Lights with a match through door in reflector Wind proof, rain-proof and bug-proof. Made of brass, nickel plated. One in carton complete with chimney, mantles, pump, wrench, cleaning pick and extra generator Shipping weight, 6 lbs.

Cat No. 16786—Trade No. L427. With built-in globe Otherwise same as above.

REPAIR PARTS FOR COLEMAN LAMPS AND LANTERNS

MICA CHIMNEYS FOR LANTERNS

Cat No. 16790—Trade No. 327LQ Complete.
Cat. No. 16791—Trade No. 327½LQ. Mica part only
Cat No. 16688—Coleman mantles. One dozen in display carton

GENERATORS

Cat. No. 16793 For Lamps or Lanterns.

PUMPS

Cat. No. 16794—For Lamps or Lanterns

BUG SCREENS

Cat No. 16792—Used to protect mantles from ants, flies, etc.

PERFECT OIL HEATERS

Manufactured by National Enameling and Stamping Company

Smokeless — Safety wick control, improved flame spreader, oil gauge, ventilating top and other exclusive features.

Cat. No. 16800 Trade No. 12. Japanned trimmings, 3-quart leaded steel fount. Height, 21¼ inches. Weight crated, 12 lbs.

Cat. No. 16801 —Trade No. 15. Japanned trimmings, 4-quart leaded steel fount. Height, 23¼ inches. Weight crated, 15 lbs.

Cat. No. 16801-1—Trade No. 1500. Japanned Trimmings. 4 Quart, Copper Fount with Brass Top. Height, 23¼ inches. Weight crated, 15 lbs.

FULL NICKEL-PLATED TRIMMINGS

Cat. No. 16801-4—Trade No. 14. Full Nickel Trimmings. 3 Quart Leaded Steel Founts. Height, 21¼ inches. Weight crated, 13 lbs.

Cat. No. 16802—Trade No. 016. 4-quart leaded steel fount. Height, 23¼ ins. Weight crated, 16 lbs.

Cat. No. 16803—Trade No. 1600. 4-quart fount, copper bowl, brass top. Height, 23¼ inches. Weight crated, 17 lbs.

NESCO OIL HEATERS

BLUE ENAMELED BODIES, FULL NICKEL-PLATED TRIMMINGS

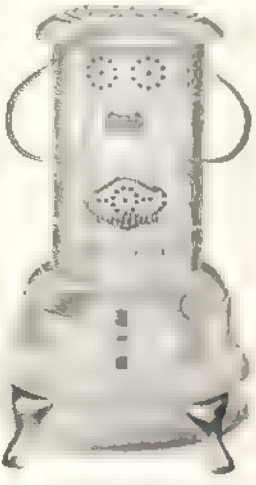
Cat. No. 16805—Trade No. 0190. 4-quart fount, leaded steel. Height, 23¼ inches. Weight crated, 18 lbs.

Cat. No. 16806—Trade No. 1900. 4-quart fount, copper bowl brass top. Height, 23¼ inches. Weight crated, 18 lbs.

PERFECT HEATER FOUNTS

Cat. No. 16821—3 Quart Leaded Steel Fount.
Cat. No. 16822—4 Quart Leaded Steel Fount.
Cat. No. 16823—4 Quart Copper Fount.

"BON AMI" OIL HEATER



WHITE ENAMELED BODY
GRAY ENAMELED TRIMMINGS

Cat. No. 16818—Trade No. 44K. White Enamel Body and Base with Gray Enamel Top, Center Ring, Drip Pan and Feet. 4-Quart Leaded Steel Fount. Height, 24 inches.

BLUE ENAMELED BODY
GRAY ENAMELED TRIMMINGS

Cat. No. 16819—Trade No. 64K. Blue Enameled Body and Base with Grey Enameled Top, Center Ring, Drip Pan and Feet. 4-Quart Leaded Steel Fount. Height, 24 inches.

DRIVING LANTERNS

DIETZ No. 2 BUCKEYE DASH

No. 2 Burner. 1 in Wick. 10 c. p. Safety Wing lock Burner. Positive globe lift and security stand ing Bail hooked into patent socket. Bright Tin Co rugated Reflector Globe with patent bullseye lens Can be used as hand lantern, hand lantern or wal lamp.

Cat. No. 16422 -½ doz. in case. Weight, 26 lbs.

Our Catalogue Saves You Time and Money
Economy Spells Success

GAS LIGHTERS

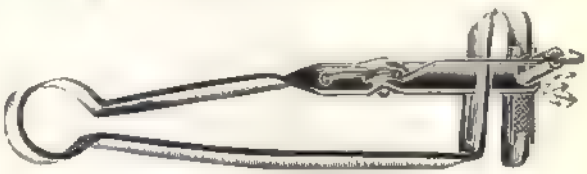
Cat. No. 16434—A marvel of science. No Friction or Flints; constant use improves efficiency. 1 dozen on display card.

Cat. No. 16435 "PERFECTION" GAS LIGHTER
Spring friction Lighter. Holder of galvanized spring wire. 3 doz. in carton

Cat. No. 16437 -Trade No. 0. Gas Lighter similar to "Perfection" illustrated above. Out of lighter construction.
Three dozen in shipping carton.

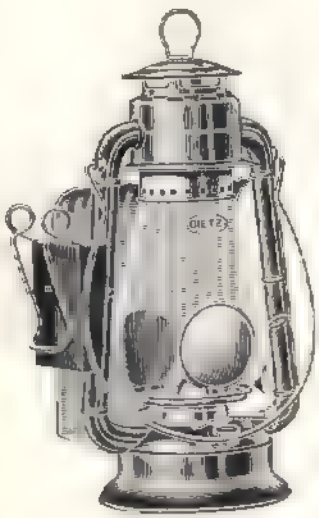
"FITSALL" TIPS FOR GAS LIGHTERS
Cat. No. 16438

IMPORTED GAS LIGHTERS

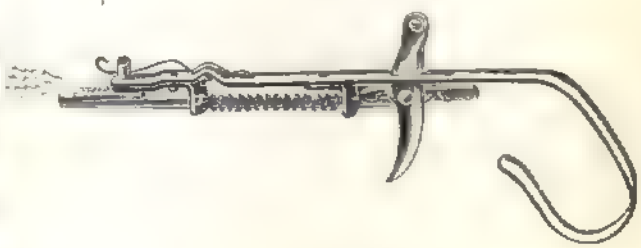


SIMPLEX

Cat. No. 16440—Trade No. 10. Spring Friction Lighter. By simply squeezing it produces the necessary spark for lighting gas, gasoline, etc. Length over all, 5½ ins.



DIETZ IMPROVED ROAD LANTERN
Co. Inst.
Complies with State Road Law.
No. 1 ... Sun Wick. 6 C P.
Burns ... capacity. 21 hours.
Large ... lens ... bullseye globe. Bracket ... reflector. ... keyless case at rear. Can be ... used as hand lantern, table or wall lamp.
Cat. No. 16425 ... doz. in case. Weight, 30 lbs.



EBILUM

Cat. No. 16441. Trade No. 3. Short Lite Safety ... of Gasoline Lighter. Shoots ... with trigger like a gun. Renewal flints easily replaced. Length over all, 8 ins.

Cat. No. 16442—Renewal Flints for No. 16440 and 16441. Packed three in a capsule. Priced per dozen capsules.

GLASS LAMPS

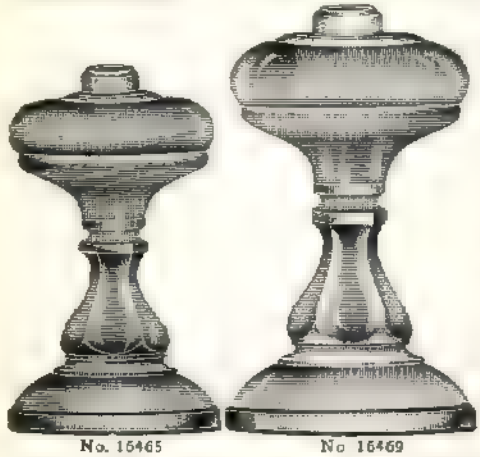
No. 16460 No. 16462

"Ramona" Pattern. Plain Finish

Made with locked collar; will not leak or come off. Chimneys and burners not included. Open stock.

Prices do not include chimneys, wicks or burners

Cat. Nos.		Height	No. Collar	Barrel Lots
16460	Flat hand	3¼ ins.	1	8 doz
16461	Footed hand	4¼ ins.	1	5 doz
16462	Footed hand	7 ins.	2	4 doz



No. 16465 No. 16469

Cat. Nos.	No. Stand	Height	No. Collar	Carton Lots
16465	O	8 ins.	1	1 doz.
16466	A	8¾ ins.	2	1 doz.
16469	B	9½ ins.	2	1 doz
16470	C	10 ins.	2	1 doz
16471	Large Sewing	10½ ins.	2	1 doz.

"RAMONA" ASSORTMENT

Cat. No. 16475

Three dozen assorted in a barrel, as follows:

1/6 doz. Large sewing.
⅓ doz. No. C stand.
⅓ doz. No. B stand.
⅓ doz. No. A stand.
⅓ doz. No. O stand.
½ doz. Footed hand.
⅔ doz. Flat hand.

OPAL DOME SHADE

Cat. No. 16484-1—10-inch Opal Glass Shade.

ONE-PIECE GLASS LAMPS

Solid glass collar with brass threads. Cannot come off. Open stock.

No. 16477 No. 16479

Cat. Nos.		Height	No. Collar	Carton Lots
16477	Footed hand	7 ins.	1	1 doz.
16478	Small stand	9 ins.	1	1 doz.
16479	Medium stand	9½ ins.	2	1 doz
16480	Large stand	10 ins.	2	1 doz
16481	Extra large stand	11 ins.	2	1 doz

ONE-PIECE GLASS LAMP ASSORTMENT

Cat. No. 16481-1—Assortment of 2 dozen Size "B" Glass Collars with Brass Threads that cannot come off.

½ dozen 9½ inch Stand
½ dozen 10½ inch Stand
½ dozen 11 inch Stand
½ dozen 10½ inch Sewing
Weight per case, 1[illegible] lbs.

Price does not include Wicks, Burners or Chimneys.

LARGE BOWL EMBOSSED SEWING LAMPS

Forty oz. bowls with No. 2 Clinched on Collars. Six lamps in carton, two each of three different patterns. Chimneys, wicks or burners not included.

Cat. No. 16482—Assortment of Six.

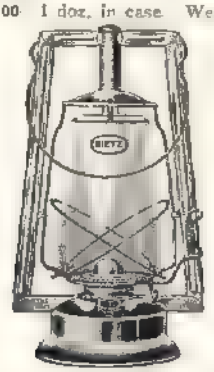
PAPER LAMP SHADES

Cat. No. 16484.

Decorated. Diameter bottom, 10½ ins.

DIETZ LANTERNS

DIETZ "VICTOR" LANTERN (Hot Blast)
No. 1 burner, ⅝ in. wick. 4 C P
Large oil filler. Dietz safety winglock burner. Positive locking globe lift and security stamping all hooked into patent eyelets. Has dome shaped solderless oil fount. Bright tin.
Cat. No. 16400. 1 doz. in case. Weight, 38 lbs.

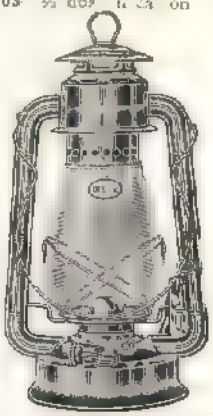


DIETZ "MONARCH" LANTERN (Hot Blast)
No. 1 burner. ⅝ in. wick. 4 C.P.
Positive-locking globe lift on inside of frame. Large oil filler. Dietz patent safety winglock burner. Dome shaped, solderless oil fount. Reinforced tubes. Standing bail hooked into patent eyelets. Bright tin. 1 doz. in case. Weight, 38 lbs.
Cat. No. 16401—With clear globes
Cat. No. 16401-1—With ruby globes

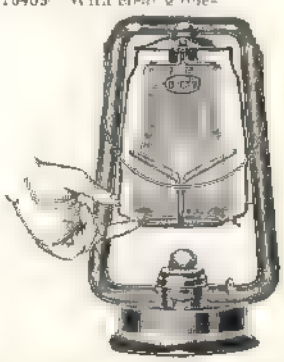
DIETZ No. 2 LARGE FOUNT "BLIZZARD"
(Cold Blast.) 1 in. wick. Burns 40 hours.
Same construction as the "Blizzard" except the fount. Holds oil for 40 hours' burning. Burner is locked on for safety. Will not fall off if lantern is overturned. Bright tin. ½ dozen in case. Weight, 30 lbs.
Cat. No. 16405—With clear globes.
Cat. No. 16405-1—With ruby globes.

DIETZ LANTERNS

DIETZ No. 2 "CRESCENT" LANTERN
(Cold Blast.) No. 2 burner. 1 in. wick. 10 C P
Equipped with a large oil filler. Reinforced tubes. Solderless oil fount and positive locking globe lift. Bright tin. Non-losable filler cap.
Cat. No. 16403. ½ doz. in case. Weight, 25 lbs.



DIETZ No. 2 "BLIZZARD" LANTERN
(Cold Blast.) No. 2 burner. 1 in. wick. 10 C P
Dietz patent "Loc-Nob" Cold Blast Globe. The globe that actually locks fast. Impossible to drop out when globe holder is tipped back. New lift device. Burner locked on. Non-losable filler cap. Bright tin. ½ doz. in case. Weight, 26 lbs.
Cat. No. 16404—With clear globes.
Cat. No. 16404-1 With Ruby Globes
With Brass Fount and Top
Cat. No. 16405 With clear globes



DIETZ "HY-LO" LANTERN (Hot Blast)
No. 1 burner. ⅝ in. wick. 4 C.P.
Simple List. Large oil filler. Dietz patent safety winglock burner. Dome shaped, solderless oil fount. Reinforced tubes. Standing bail hooked into patent eyelets. Bright tin. 1 doz. in case. Weight, 36 lbs.
Cat. No. 16402 With clear globes
Cat. No. 16402-1—With ruby globes.

DIETZ LANTERNS

DIETZ No. 2 "D-LITE"

(Cold Blast)

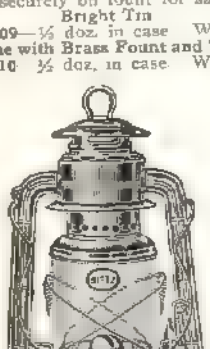
No. 2 burner. 1 in. wick. 10 C.P.
"Loc-Nob" Short Globe. Impossible to drop out when globe holder is tipped back. New lift device. Burner locked securely on fount for safety.

Bright Tin

Cat. No. 16409—½ doz. in case. Weight, 25 lbs.

Same with Brass Fount and Top

Cat. No. 16410—½ doz. in case. Weight, 25 lbs.



DIETZ No. 2 LARGE FOUNT "D-LITE"

No. 2 burner. 1 in. wick. 10 C.P.
Fount holds 32 ounces of oil. Will burn 40 hours with maximum power.
Otherwise same construction as Dietz No. 2 "D-Lite."
Cat. No. 16411—½ doz. in case. Weight, 30 lbs.

DIETZ "BOY SCOUT"

Small, practical and well constructed. Height over all, 7¾ ins. ⅝ in. Wick. Burns 10 hours. Bright tin finish.
Cat. No. 16412—1 doz. in case.

DIETZ LANTERNS

DIETZ "LITTLE WIZARD"

(Cold Blast)

No. 1 burner. ⅝ in. wick. 6 C.P.
"Loc-Nob" Short Globe. Impossible to drop out when globe holder is tipped back. Burns 18 hours. Smallest Short Globe Lantern made. 11¾ ins. high.
One-piece burner shaft and button, and new lift device, hooked into side tube and braced to oil fount. Burner is locked on for safety. Non-losable filler cap.

Bright Tin

Cat. No. 16413—1 doz. in case. Weight, 30 lbs.

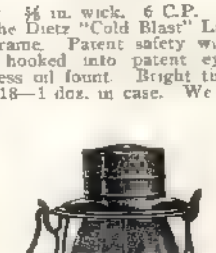
With Brass Fount and Top

Cat. No. 16414—½ doz. in case. Weight, 15 lbs.

DIETZ "JUNIOR"

(Cold Blast)

No. 1 burner. ⅝ in. wick. 6 C.P.
Smallest of the Dietz "Cold Blast" Lanterns. Globe lift inside of frame. Patent safety winglock burner. Standing bail hooked into patent eyelets. Dome-shaped, solderless oil fount. Bright tin.
Cat. No. 16418—1 doz. in case. Weight, 31 lbs.



DIETZ (No. 39) RAILROAD LANTERN

No. 2 burner. 1 in. wick. 2 C.P.
Solid metal bottom and inside oil pot. Globe removable by turning back hinged top. Safety oil well. Height, 10 ins. Capacity, 24 hours.
Cat. No. 16420—1 doz. in case. Weight, 41 lbs.

CROSS CUT SAWS

WIDE BLADES

Finest Crucible Steel, Highly Polished and Etched, Taper Ground from Teeth to Back, Making a Uniform Thickness on Cutting Edge and a Thin Center Back with Stiff Ends, Teeth Filed and Set Ready for Use.

Disston

No. 2—Champion Tooth, Two Gauges Thinner on Back than on Tooth Edge

Length Blade, ft.	5½	6	6½
Width at Center, in.	7¼	7½	7¾
Weight Each, lbs.	6	6½	7½
Each, without Handles	$6.00	6.50	7.00

Open Stock

NARROW BLADES

Finest Crucible Steel, Highly Polished and Etched, Teeth Filed and Set Ready for Use

Disston

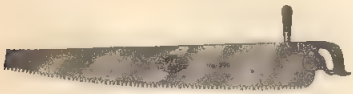
No. 280—Triumph Champion Tooth, 14 Gauge Thick.

Length Blade, ft.	5	5½	6
Width at Center, in.	3¼	3⅛	3¼
Weight Each, lbs.	3	3⅜	4
Each, without Handles	$3.50	3.90	4.30

Open Stock

ONE MAN CROSS CUT SAWS

Finest Crucible Steel, Polished and Etched, Ground, Beechwood Butt Handle, Plain Sides, Varnished Edges, Varnished Beechwood Supplementary Handle, Polished Steel Ferrule, Brass Screws, Filed and Set Ready for Use.



Atkins

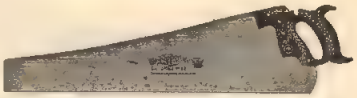
No. 390—Tuttle Tooth

Length, ft.	3½	4	4½
Weight Each, lbs.	3	3½	4¾
Each	$3.90	4.35	5.10

Open Stock

HAND, RIP AND PANEL SAWS

EMPEROR

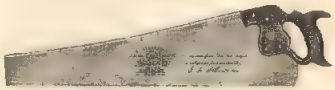


No. 48—Skew Back, Full Width, Highly Polished, Perfect Temper and Ground, Hand Filed and Set Ready for Use, Highly Finished and Carved Handle, Brass Screws.

	Hand	Rip
Length, in.	26	26
Points to Inch	7, 8, 9, 10, 11, 12	5, 5½, 6
Wt. Per Dozen, lbs.	24½	24½
Each	$3.20	3.20

Four in a Box

ATKINS

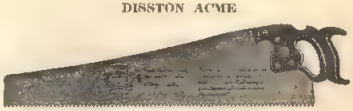


No. 51—High Grade Popular Pattern, Silver Steel Blade, Skew Back, Patent Taper Ground, which Insure Rapid, Accurate Cutting; Hand Smithed, Damaskeen Finish, Ribbon Back, Genuine Applewood Handle, Varnished, Polished and Fastened to Blade with Brass Screws and Medallion.

		Hand		Rip
Length, in.		26		26
Points to Inch	8, 9, 10, 11, 12			5, 5½, 6
Wt. Per Dozen, lbs.		27¾		27¾
Each		$3.75		3.50
	Panel	Panel	Panel	Panel
Length, in.	18	20	22	24
Points to Inch	10 to 12	10 to 12	10 to 12	10 to 12
Wt. Per Dozen, lbs.	13	16½	19¾	22¼
Each	$2.75	3.00	3.25	3.50

Four in a Box

DISSTON ACME



Skew Back

No. 120—Extra Refined London Spring Steel, Taper Ground and Tempered, Highly Polished; Carved and Polished Applewood Handle, Four Brass Screws and Medallion.

For Cabinet Work, Sawing Mitres and where a rapid, smooth cut is required but not for general use.

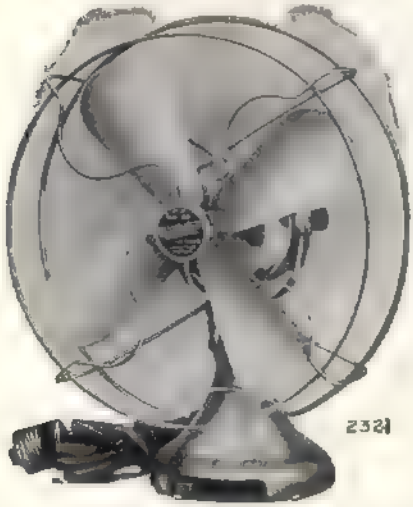
	Hand		Rip
Length Blade, in.	26		26
Points to Inch	8, 9, 10, 11		5, 5½, 6
Wt. Per Dozen, lbs.	25		25
Each	$6.00		6.00
	Panel	Panel	Panel
Length Blade, in.	20	22	24
Points to Inch	10, 11	10, 11	9, 10, 11
Wt. Per Dozen, lbs.	16	20	22
Each	$5.00	5.35	5.70

Four in a Box

ELECTRIC FANS

"NORTH WIND"

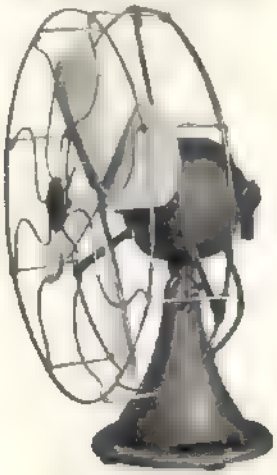
Made by Emerson Elec. Mfg. Co.



Cat. No. 15544—Trade No. 84. 8 inch, non-oscillating Fan. Two speed switch on base. Swivel trunnion mounting. Adjustable base, may be used as a stand or hung as a bracket. 110 Volt only. A. C. or D. C. Complete with cord and plug. One Fan in carton. Weight 5 lbs. 12 in case. Weight, 75 lbs.

Cat. No. 15546—Trade No. 450. 10 inch oscillating Fan. Three-speed switch on base. Adjustable oscillating device. 110 Volt. A. C. or D. C. Complete with cord and plug. One in wooden box. Weight, 18 lbs.

ELECTRIC FANS



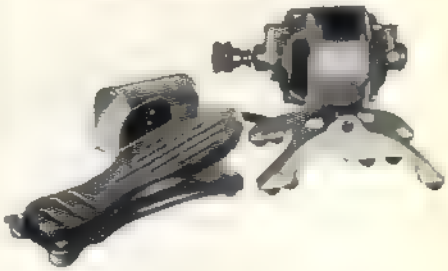
PEERLESS FANS

High Grade and Reliable.

Adjustable for use on Desk or on Wall as desired

Cat. Nos.	Diam. Ins.	Volts	Shipping Weight	
15531	8	110	6 lbs.	Non oscillating
15532	8	220	6 lbs.	Non oscillating
15534	10	110	14 lbs.	Non-oscillating
15535	10	220	14 lbs.	Non-oscillating
15536	12	110	27 lbs.	Non-oscillating
15537	12	110	40 lbs.	Oscillating
15538	12	220	40 lbs.	Oscillating
15539	16	110	60 lbs.	Oscillating

"HAMILTON BEACH" SEWING MACHINE MOTORS



"JACK RABBIT" TYPE

Showing Motor placed ready for sewing

Cat. No. 15551 "JACK RABBIT" HOME TYPE

Attached without the use of tools or bolts. Motor satin finish. Reversible. Will operate on either AC or DC 105 to 120 volts, 25 to 60 cycles. Packed one in a carton complete with cord, plug and speed control

"UNIVERSAL" VACUUM CLEANERS

"UNIVERSAL" VACUUM CLEANER

Patented Brushless Model with powerful motor. No brush to clean or to get out of order. Powerful suction eliminates necessity of brush, making cleaner more efficient and less trouble to operate.

All wires are encased in handle out of the way and connections cannot get out of order.

The nozzle adjusting device permits adjusting the cleaner for use on floor coverings of varying thicknesses.

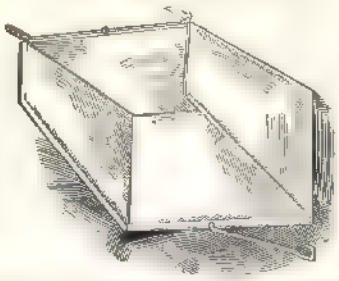
Universal horizontal type motor, self-oiling, dust-proof bearings, operating on either alternating or direct current

Case is of aluminum, highly polished.

Cat. No. 15575—Universal Cleaner

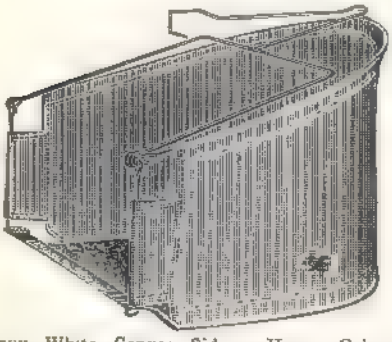
Cat. No. 15576—Attachments.

GRASS CATCHERS



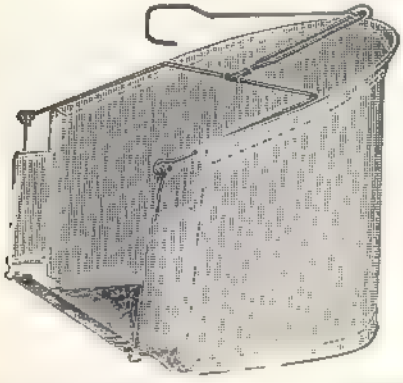
White Canvas Sides and Bottom. Adjustable Steel Hooks. For use on 12, 14 or 16 inch mowers.

Cat No	Trade No	Depth Ins.	Width Ins.	Weight Doz.
17483	1[illegible]	9	16	20 lbs



Heavy White Canvas Sides. Heavy Galvanized Iron Roller. Flanged Bottom, which is so made that when the catcher is attached directly over the roller of the mower, grass will shoot backwards to lower level of the catcher. Heavy Galvanized Wire frame with adjustable galvanized steel hooks for use on 12, 14 or 16 inch mowers.

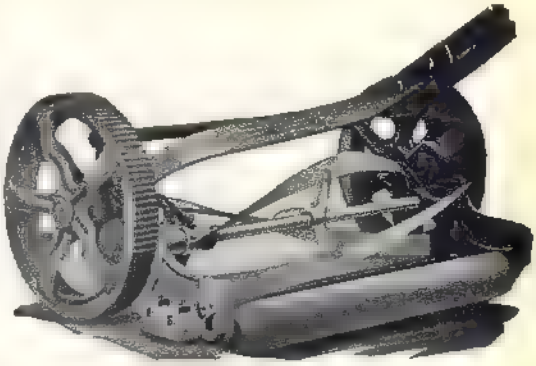
Cat No	Trade No.	Depth Ins.	Width Ins.	Weight Doz.
17484	251	13	17	40 lbs



Extra Heavy White Duck. Extra heavy galvanized roller, flanged iron bottom, which is so made that when catcher is attached directly over roller of mower grass will shoot backwards to lower level of catcher. Extra Heavy Galvanized Wire frame with adjustable galvanized steel hooks for use on 12, 14 or 16 inch mowers.

Cat. No.	Trade No.	Depth Ins.	Width Ins.	Weight Doz.
17485	301	16	18	45 lbs

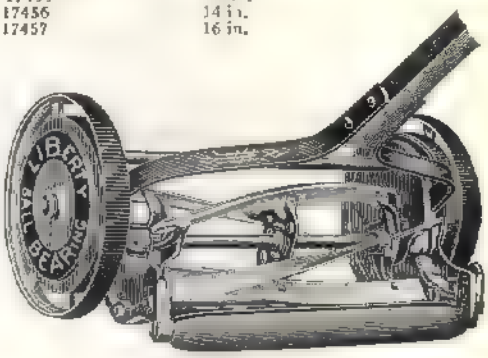
LAWN MOWERS



SUCCESS
PLAIN BEARINGS

With Three Steel Blades, 8¾ inch Raised Rim Driving Wheel, 5¾ inch Cutting Cylinder, continuous shearing. High Grade Brass Bushings.

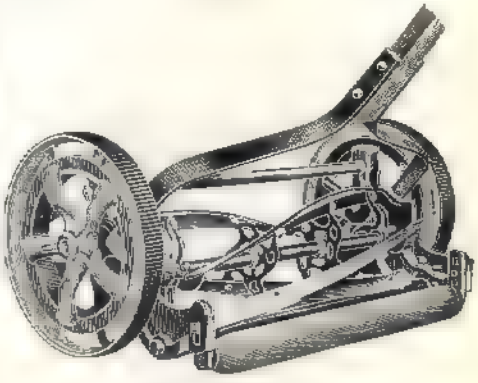
Cat. Nos.	Size
17455	12 in.
17456	14 in.
17457	16 in.



LIBERTY
BALL BEARINGS

With Four Steel Blades, 8-inch Raised Rim Driving Wheel, 5¾ inch Cutting Cylinder, Hardened Steel Ball Bearings, Continuous Shearing.

Cat. Nos	Size
17461	12 in.
17462	14 in.
17463	16 in.



SPEEDY
BALL BEARING

With Four Steel Blades, 9-inch Raised Rim Driving Wheel, 5 inch Cutting Cylinder. Dustproof Polished Ball Bearings. Machine screw adjustment of cutter bar. Continuous shearing.

Cat. Nos	Size
17465	14 in.
17466	16 in.
17467	18 in.

GARDEN HOSE

A black moulded hose with a seamless pure rubber tube over which is braided two plies of fabric cotton yarn, thoroughly impregnated with pure sheet rubber Final layer of extra tough rubber forming a protection against wear and weather. Built to give service, maximum flexibility and prevent injurious kinking.

¾ inch is now the new American standard, giving the best all around satisfaction on all standard water pipes. Also enabling you to carry a smaller stock.

'STILL BETTER'

Cat. No. 17501—⅝ inch. In 25-foot lengths with Couplings on

Cat. No. 17505—⅝ inch. In 50 foot lengths, with Couplings on

Cat. No. 17508—⅝ inch. In Reels of 500 feet

HYGRADE

Cat. No. 17518—⅝ inch. In 25-foot lengths, with Couplings on

Cat. No. 17519—⅝ inch. In 50 foot lengths, with Couplings on

Cat No. 17520—⅝ inch. In 500-foot reels.

GARDEN ACCESSORIES

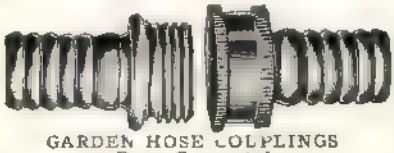
HOSE WASHERS

Cat No. 17552—Tough Red Rubber that will not shrink or harden. Packed 1 dozen in carton and 24 cartons in counter display carton.

PERFECT CLINCHING HOSE COUPLING

Seamless brass body, with galvanized steel clamps No tools needed but a hammer Makes a perfect No Leak Joint 1 dozen in display box.

Cat. Nos	Size, Ins.
17554	½
17555	⅝
17556	¾



GARDEN HOSE COUPLINGS

Brass, Corrugated

Cat. Nos	Size, Ins.
17568	½
17569	⅝
17570	¾

HOSE COUPLINGS, NOZZLES, ETC.

PERFECT HOSE MENDERS

Seamless brass tubes with heavy galvanized clamps Makes a neat, smooth, watertight mend. Put on simply with a hammer. 2 dozen in a box with display card

Cat. Nos.	Size, Ins.
17558	½
17559	⅝
17560	¾

HOSE CLAMPS

Made of heavy sheet steel and galvanized to prevent rust

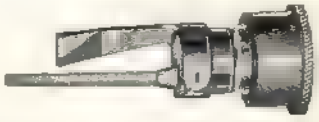
Cat. Nos.	Diam., Ins.	Ply
17561	½	3
17562	⅝	3
17563	¾	3
17564	½	4
17565	⅝	4
17566	¾	4

Cat. No. 17571—DIAMOND. Wrought Brass Construction Large water ways giving strong spray or straight stream. Positive Shut Off. 4⅝ inches over all. 1 dozen in display box

BOSTON

Cat. No. 15571-1—Similar to above

Cat. No. 17572-1—PEORIA. 3½ inches over all. 1 dozen in carton. Description same as Diamond.



Cat. No. 17573-1—DUO. Wrought Brass. The only Nozzle that throws more water with a spray than with a straight stream. Adjustable to spray or straight stream. Positive shut off. 1 dozen in box

Cat No. 17575 "ROSE" SPRINKLER

Spun brass. Perforated bulging face giving a well-distributed spray. Face, 2¾ inches diameter. For ¾-inch hose. 1 dozen in carton.

FIRE EXTINGUISHERS

GUARDENE

Cold Rolled Copper, Polished and Lacquered, Heavily Plated Inside with non-corrosive metal. At Top of cage is a Bottle holding 4 fluid ounces of Sulphuric acid and closed with a Lead Stopper. The Tank when Ready for use is filled with a solution of 2½ Gallons of water and 1½ lb. of Bicarbonate of Soda.

Guardene Extinguishers are well designed and do not look out of place in any office, school or theatre. Besides bearing the Underwriters' Label, Guardene Extinguishers are approved by the U. S. Steamboat Inspection Service now and for use after January 1, 1920. Guardene Extinguishers are also approved by factory mutual insurance companies.

To use the extinguisher it is simply turned upside down; the stopper falls out and the mixing of the acid with the soda solution generates a gas pressure that will throw a stream 40 feet. The stream can be shut off by turning the extinguisher rightside up again

GUARDENE FIRE EXTINGUISHERS are tested to 350 pounds pressure, but the working pressure is only about 100 pounds

Each

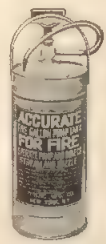
No. 10—Capacity 2½ Gals, 22 in. High, Complete with Chemical Charge, Bracket and Screws, Weight Each, Filled, 40 lbs. **$20.00**

One in a Carton

RECHARGES Each

Guardene—Soda and Acid Recharges, Scientifically Compounded, For Guardene or any Standard Soda and Acid Extinguisher **$0.75**

ACCURATE



Bears the Label of the Underwriters' Laboratories, especially adapted for use in unheated buildings or outdoors, but is equally efficient protection in all large buildings, warehouses, etc., heated or unheated. Fill with plain water. Where there is danger of freezing add Pyrene Freeze-Proof. The Pump Tank is extremely simple in construction and operation. Its five-gallon capacity is ample to extinguish a good sized fire. The double acting pump throws a powerful, steady stream 40 feet. The force of this stream beats back the flames and soaks the burning material. This increases the fire fighting efficiency of the Pump Tank. The supply of water can be quickly renewed during operation, eliminating delay in recharging.

Brass Pump with Screen, 24 U. S. Gauge Galv. Iron Tank, Coated with Asphaltum, Painted Red. With Attractive Instruction Plate. Each

Accurate—Capacity 5 Gal., 27¼ in. Over all, 9½ in. Diameter, 2 Ft. Hose, ⅜ in. Inside Diameter, ⅛ in. Nozzle Outlet. Weight Tank Empty 13 lbs., Filled, 52 lbs. **$15.00**

Pyrene Freeze Proof Chargers

Per Can

No. 1 Charge—In 10 lb. can **$1.40**
No. 2 Charge—In 15 lb. Can **2.10**
No. 3 Charge—In 20 lb. Can **2.80**

To prevent freezing, the Accurate Pump Tank should be charged with Pyrene Freeze-Proof as follows:

QUANTITY OF FREEZE-PROOF REQUIRED

No. 1 Charge containing 10 lbs. Pyrene Freeze-Proof prevents 5-gallon Pump Tank freezing at 10 degrees above zero.

No. 2 Charge containing 15 lbs. Pyrene Freeze-Proof prevents 5-gallon Pump Tank freezing at 10 degrees below zero.

No. 3 Charge containing 20 lbs Pyrene Freeze-Proof prevents 5-gallon Pump Tank freezing at 40 degrees below zero.

FIRE EXTINGUISHERS

PHOMENE

Heavy cold-rolled copper Polished and Lacquered, Labeled by the Underwriters Laboratories.

The Extinguisher That affords complete Protection, and will extinguish any Fire that the Soda and Acid Extinguisher Would Handle.

Phomene Extinguishes Fires that the Soda and Acid Extinguisher Would not Touch!

The soda and acid extinguisher ejects 2½ gallons of water; Phomene ejects 20 gallons of fire-fighting foam, and this foam is effective on burning liquids as well as dry materials.

Phomene extinguishes burning oil, enamel, tar, wax, grease, shellac, lacquers, inflammable solvents or chemicals. Wherever such materials are used or stored, Phomene is an absolute essential, and in nearly every industry these inflammable materials are used; therefore we recommend Phomene for general protection, to replace the old style soda and acid extinguisher. Each

Phomene—Actual capacity Tank, 3 Gallons, Rated capacity 2½ Gallons, 24 in. High, amount of Foam Produced 20 Gallons, Length of Stream 25 to 35 ft., Wt Each Empty 18 lbs, Filled 42 lbs. **$25.00**

RECHARGES

Each

Phomene Recharges—Consists of 3 Separate Cartons A, B and C, Each Carton contains 2 Packages of Dry Powder and one can of Liquid with complete directions **$1.75**

PYRENE

Pyrene Fire Extinguishers are the safest and most efficient type for electrical and all fires starting in oil, gasoline, shellac, paint or other highly inflammable substances. Water only spreads oil fires and is dangerous to use on an electrical fire.

When Pyrene is thrown onto a blaze, the heat of the fire transforms the liquid into a heavy, non-poisonous gas blanket which extinguishes the fire by cutting off the air supply.

The lightness and ease of operation of Pyrene extinguishers by women and children commend them to anyone for home protection.

Being adopted as standard fire protection for Incipient fires by large railroads, factories, etc

There is within the container a manually operated double-acting pump which throws a continuous stream

Length 14 in., Diameter 3 in.; Weight filled ready to use 6 lbs.

Each

No. PB—Brass Finish, Complete with Black Enameled Bracket **$10.00**
No. PN—Nickel Plated Complete with Black Enameled Bracket **11.00**

PYRENE LIQUID

Pyrene Liquid will not injure delicate fabrics or sensitive machinery. Can be kept in unheated buildings or in exposed places as it does not freeze even at 50 degrees below zero

Per Can

1 Quart Can—Sufficient for One Filling for Pyrene Extinguisher . . . **$1.75**

WASHING MACHINES

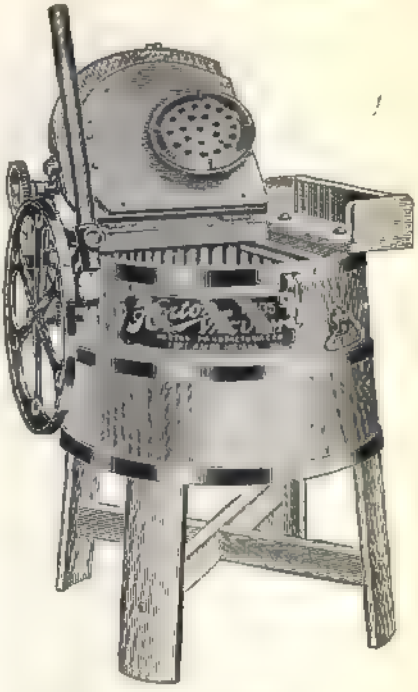
No. 23 MOTOR HIGH SPEED

Cat. No. 30271—Spiral cut gears give speed, ease, smoothness. 4 Wing Patented Wooden Agitator. Steam tight cover. Ball bearings. Enclosed gears. Louisiana Red Cypress Tub, sanitary, odorless. Hoops Green Enameled. All other parts Bronzed. Weight, 87 lbs.

No. 30 PEERLESS WATER POWER

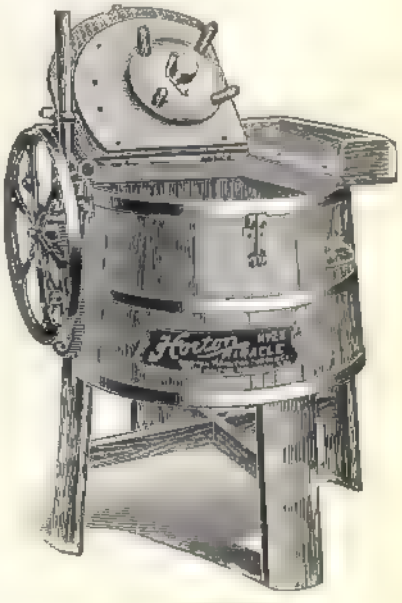
Cat. No. 30281—Especially designed Peerless Motor, which will give excellent satisfaction on any water pressure as low as 20 pounds. Four Wing Wood Type Agitator. Louisiana Red Cypress Tub, sanitary, odorless. All Metal parts are green enameled. Weight 70 lbs.

WASHING MACHINES



No. 35 VACUUM

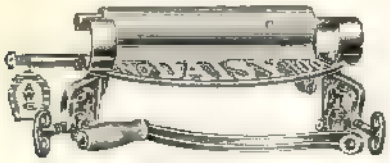
Cat. No. 30269—Specially Designed Vacuum Dolly. Rust proof. Cleanses more thoroughly than any other vacuum washer. Spring cover lock keeps heat in tub. Enclosed gears. Louisiana Red Cypress Tub. Hoops Green Enameled, metal parts Bronzed. Weight, 89 lbs.



No. 22 MIRACLE

Cat. No. 30273—Cut gears. Four Wing Wood Dolly. Cover lock keeps heat in tub. Hoops Green Enameled. All other parts are Bronzed. All gears enclosed. Weight, 98 lbs.

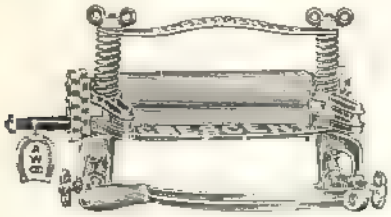
CLOTHES WRINGERS



"DAISY"

Malleable iron frame. Galvanized. Plain bearings. Rolls warranted one year for family use. Without pressure relief screws.

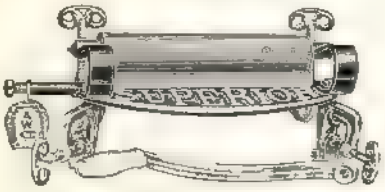
Cat. No.	Trade No.	Rolls	In Case
30200	100	10x1¾ ins.	3 or 6



"CRESCENT"

Malleable iron frame. Galvanized. Plain bearings. Rolls warranted one year for family use. With pressure relief screws. Combination tub clamps.

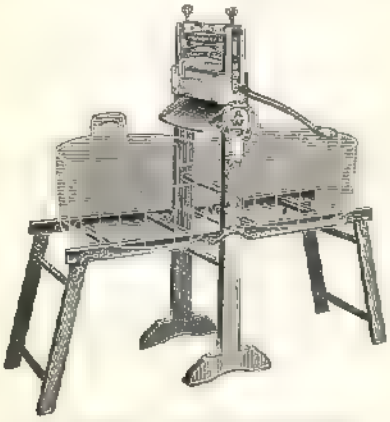
Cat No.	Trade No	Rolls	In Case
30210	130	10x1¾ ins.	3 or 6



"SUPERIOR"

Malleable iron frame. Galvanized. Plain bearings. Rolls warranted two years for family use. Has pressure relief screws.

Cat. No.	Trade No.	Rolls	In Case
30215	210	10x1¾ ins.	3 or 6



"UNIVERSAL" BENCH WRINGER

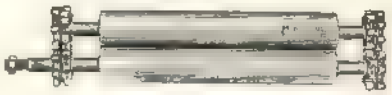
Bench will hold two tubs, or a tub and a basket, and folds when not in use. Reversible drain board conducts water to either side.

Wood frame wringer. Plain bearings. Enclosed cogs. Rolls warranted three years for family use.

Cat. No.	Trade No.	Rolls	In Crate
30220	B35OE	10x1¾ ins.	1

Cat. No. 30222—Bench only.

EXTRA PARTS—ROLLS, CLAMPS SET SCREWS, ETC.



WRINGER ROLLS

With Cog Wheels for **Wood Frame Wringers.** When ordering be sure to specify whether Upper or Lower roll is wanted.

Cat. Nos.	Ins.
30224	10x1¾
30225	11x1¾
30226	12x1¾

ROLLS WITH STEEL BALL BEARINGS

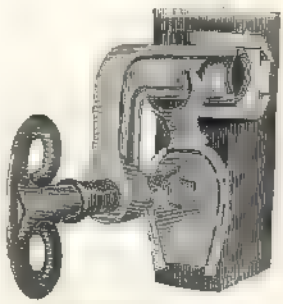
Cat. Nos.	Ins.
30230	10x1¾
30231	11x1¾
30232	12x1¾

WITH ENCLOSED COG WHEELS

Cat. Nos.	Ins.
30234	10x1¾
30235	11x1¾
30236	12x1¾

ROLLS WITHOUT COG WHEELS. FOR IRON FRAME WRINGERS

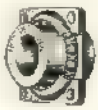
Cat. Nos.	Ins.
30240	10x1¾
30241	11x1¾
30242	12x1¾



WRINGER CLAMPS

Cat. No. 30248—For wood frame wringers.
Cat. No. 30249—For iron frame wringers
Cat. No. 30250—For Crescent wringer

When ordering for Wood Frame Wringer, state whether right or left side is wanted.

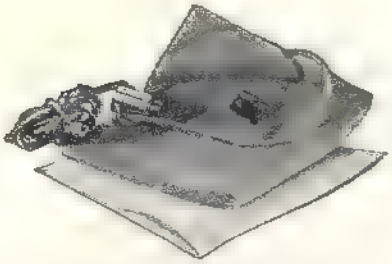


Cat. No. 30252—Ball Bearings. Complete

Cat. No. 30256 SET SCREWS

Cat. No. 30258 HANDLES

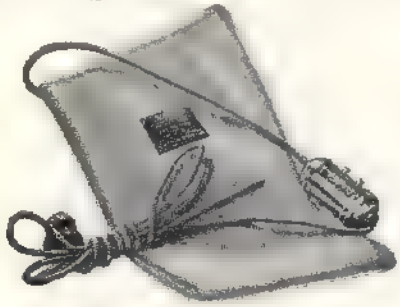
HEATING PADS



HOTPOINT HEATING PAD

Three Heats, controlled by switch on Cord. Heat automatically maintained. Covered with Tan Eiderdown. Has removable Muslin Cover.

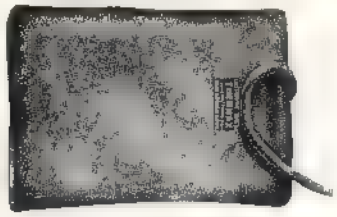
Cat. No.	Trade No.	Size	Weight	Wattage
15433	136-Q-7	12x15 ins.	1½ lbs.	60



HOTPOINT COMFORT PAD

Three Heat, controlled by Switch on Cord. Heat Automatically maintained. Tan Eiderdown Cover.

Cat. No.	Trade No.	Size	Weight	Wattage
15433-1	1334-7	7½x14 ins.	1 lb.	35

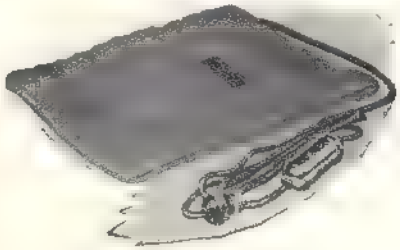


THERMAX HEATING PAD

Cat. No. 15435—Trade No. 3194. Three Heats, controlled by switch in Cord. Temperature automatically maintained. Brown Eiderdown Cover with white Muslin Slip. Size, 12x15 ins. 60 Watts.

THERMAX HEATING PAD

Cat. No. 15437—Trade No. E1994. Single Heat. Brown Eiderdown Cover. Size, 8½x11½ ins. 44 Watts.

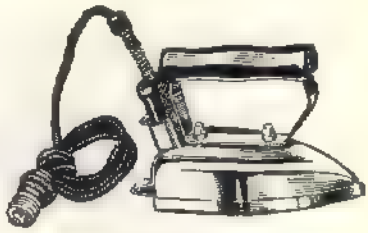


L. AND H. HEATING PAD

Three Heats, controlled by switch on Cord. Covered with Tan Eiderdown and provided with slip canvas cover. Each in attractive "set-up" display box.

Cat. No. 15439—Size, 12x15 ins. 3 in package.

IRONS



ELECTRIC IRON

Improved design makes easier to operate and enables use on finest fabrics. Heat quickly and evenly. Full Nickel Plated. Heel Rest. Ebonized Handle. Fully guaranteed. Has attached Stand. One in carton. Six in package.

Cat. No.	Weight	Dimensions	Wattage
15448	6 lbs.	6½x3¾x5¾ ins.	550

Cat. No. 15450 "DOMANCO"

No burn out. Vea element. Lasts a lifetime. No returns. Element set in patent cement. The best regardless of price. Steel-plated stand included. Nickel plated, ebonized handle. Standard domestic size. Popular seller. Complete with cord and plugs. Weight 6 lbs. Packed one in carton. Three in package.

DOMANCO TOURIST IRON

For general description, see Blue Book, page 258.

3½-pound Beveled Edge Iron, Nickel Plated. Ebonized Handle. Steel Stand. Furnished with brackets for converting iron into small electric stove. One in carton, six in package.

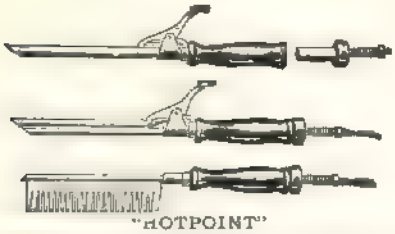
Cat. No.	Weight	Soleplate	Wattage
15449	3½ lbs.	5¼x3 ins.	330

EDISON IRON

Nickel Plated. Ebonized Handle. Attached Stand.

Cat. No.	Trade No.	Weight	Wattage
15451	215-F-56	6 lbs.	575

CURLING IRONS



"HOTPOINT"

Shield opens parallel to the rod, permitting it to be easily separated from the hair. Has swivel separable plug. By grasping plug with the little finger, the iron is easily turned. Two sizes, large and small, both nickel plated

Cat Nos.	Trade Nos.		Wattage
15421	112L4	Small size without comb	18
15422	112L5	Small size with comb	18
15423	112L6	Large size without comb	21
15424	112L7	Large size with comb	21
		Combs Only	
15425	L5P5	Small comb only	
15426	L7P7	Large comb only	

HOT POINT CURLER AND WAVER ROD

Cat. No. 15426-1—Trade No. 112 L-11. Polished Nickel with Ebony Finish Insulated Wood Handle. Cord complete with removable plug. Diam. of rod ⅛ inch. Length, 11¼ inches.

MARCEL WAVERS

TORRID WAVETTE MARCEL WAVER

Cat. No. 15426-2—Double Rod and Clamp, Full Nickel Plated. Ebonized Handle. Produces three waves at each operation. 11 inches over all. Complete with 6 ft. cord and separable plug. One in carton

ECLIPSE MARCEL WAVER

Cat. No. 15426-3—Nickel Plated Polished Rose wood Handle. 11 inches over all. Complete with 6 ft. cord and separable plug.

HEATING PADS

"UNIVERSAL" HEATING PAD

Cat. No. 15429—Trade No. E9940. Cord switch, operated by slight pressure of the finger. Patented thermostat control absolutely maintains the heat at the desired temperature. Size of pad, 12x15 ins. Gray eiderdown cover. 10 ft. cord and plug. Maximum, 60 watts. Weight packed, 2¾ lbs.

"HOTPOINT" HEATING PAD
Aluminum with Washable Eiderdown Cover

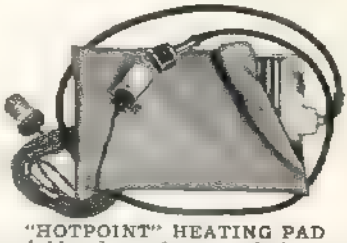
Any temperature between 100 and 200 degrees may be obtained by adjusting a small lever. Automatic control maintains indefinitely temperature desired. Cord and plugs complete

Cat. No.	Trade No.	Size	Weight	Wattage
15430	114Q3	8x5⅛ ins.	1 lb.	40

HOTPOINT HEATING PAD

Single Heat, feed through switch. Covered with Tan Eiderdown.

Cat No.	Trade No.	Size	Weight	Wattage
15431	114 Q 7	9x11 ins.	¾ lb.	40



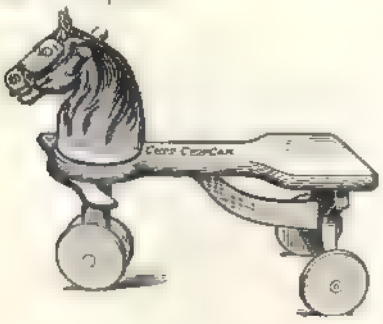
"HOTPOINT" HEATING PAD

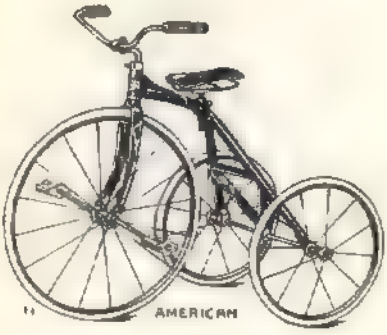
Made of hinged metal units which are flexible, nickel plated and polished. The temperature is controlled by small lever at top end of pad. Any temperature between 100 and 200 degrees easily obtained and automatically retained. Has washable eiderdown cover, cord and plugs.

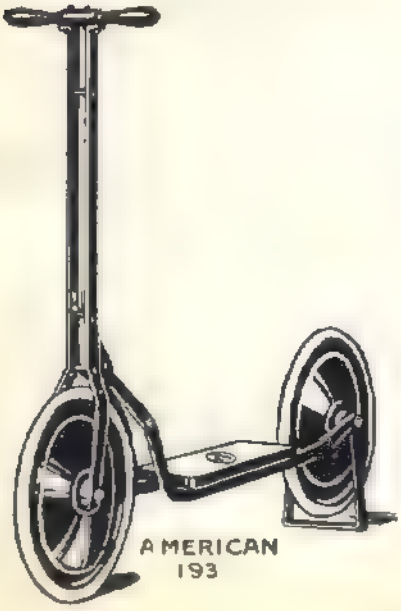
Cat. No.	Trade No.	Size	Weight	Wattage
15432	114Q4	6¼x10½ ins.	1¼ lbs.	40

WHEEL GOODS

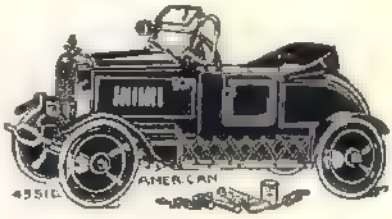
We are Factory Representatives for Leading American Made Lines of Juvenile Vehicles — Velocipede — Autos, Wagons, Coasters, Doll Buggies, Choo Choo Cars, etc Sold at Special Price for Fall Delivery Special Catalogs and Prices on request.

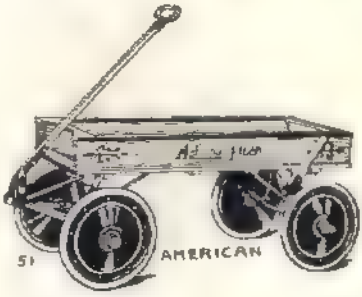


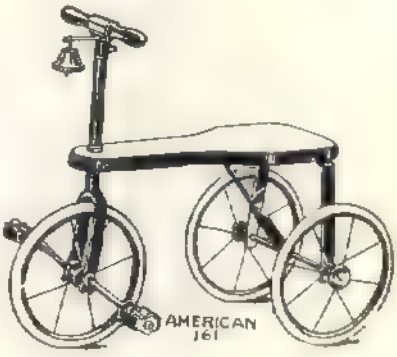




WHEEL GOODS







ONION CHOPPERS

IMPORTED TEARLESS MINCER.

Cat. No. 10379 -3-inch Glass Cylinder. Hardwood Base. Nickel Plated Top. Used for chopping Onions without the odor. Fine for chopping Nuts of all kinds. A general all-round kitchen mincer. Mincers.

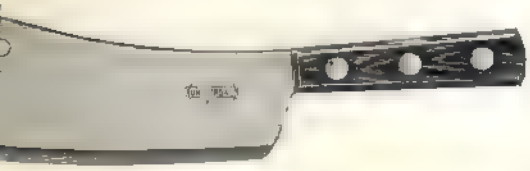
GLASS CYLINDER ONLY

Cat. No. 10378—Extra glass cylinders for above

CLEAVERS

Lee's Family and Hotel Cleaver. Cold Rolled Steel Blade. Riveted Handle

Cat. Nos.	Blade, Ins.	Wgt. Each
10386	6	1 lb.
10387	8	1¼ lbs

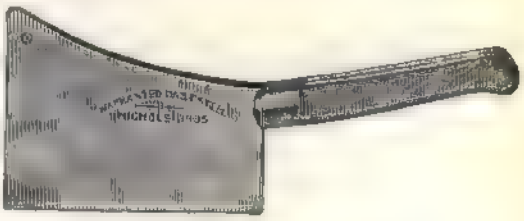


UNIVERSAL FAMILY CLEAVER

High grade steel, perfectly tempered. Cocobolo Handle. Brass rivets and burrs.

Cat No.	Trade No.	Blade Ins.	Wgt. Doz
10390	3	7	14 lbs.

CLEAVERS



MARKET CLEAVERS—NICHOLS'

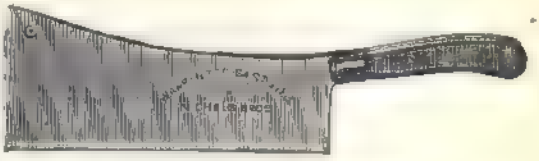
Entire Blade and Tang forged in one piece from highest grade crucible steel. Maple Handle.

Cat. Nos.	Trade Nos.	Blade Ins.	Wgt. Lbs
10393	1306	6	2
10394	1307	7	2½
10395	1308	8	3
10396	1309	9	3½
10397	1310	10	4

MARKET PORK CHOPPERS—NICHOLS WELDED EDGE, FLAT HANDLE

Entire Blade and Tang forged in one piece from highest grade crucible steel. Maple Handle

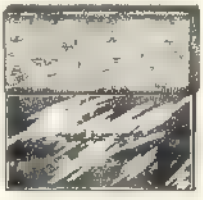
Cat. Nos.	Trade Nos.	Blade Ins.	Wgt. Lbs
10401	1608 W	8	2
10402	1609 W	9	2½
10403	1610 W	10	3



MARKET LAMB CLEAVERS—NICHOLS'

Entire Blade and Tang Forged in one piece from highest grade crucible steel. Maple Handle. Three Brass Compression Rivets

Cat. Nos.	Trade Nos.	Blade Ins.	Wgt. Lbs
10406	1507	7	1¾
10407	1508	8	1⅞
10408	1509	9	1¾
10409	1510	10	2



BLOCK SCRAPER—"VILLAGE BLACKSMITH"

Cat. No. 10434 Trade No. 10. 3½x5 inches

Steel Wire Block Scrapers
See Index

BUTCHER KNIVES

POPULAR PRICE LINE

Crucible Steel Blades. Octagon Beechwood Handles with three brass pin rivets. Excellent Special Sale Item. Good quality at low prices.

Cat. No.	Trade No.	Length Blade
10460	36	6 ins
10461	37	7 ins
10462	38	8 ins

POPULAR PRICE LINE

Octagon Ebony Handles with three large brass Compression Rivets. Crucible Steel Blades. Good quality at low prices.

Cat. No.	Trade No.	Length Blade
10465	36	6 ins
10466	37	7 ins
10467	38	8 ins

"STILL BETTER" BUTCHER KNIVES

Extra Value, Crucible Steel Blade Three brass Rivets

Cat. Nos.	Length Blade Ins.	Cat. Nos.	Length Blade Ins.
10470	6	10473	9
10471	7	10474	10
10472	8	10475	12

JOHN WILSON'S GENUINE ENGLISH

Riveted Beechwood Handles.

Cat. Nos.	Length Blade Ins.	Cat Nos.	Length Blade Ins
10496	6	10501	10
10498	7	10502	11
10499	8	10503	12
10500	9	10504	14

Made of good quality Steel. Nicely finished Cocobolo Handles, with Three Large Brass Rivets

Cat. Nos.	Length Blade, Ins
10505	7
10506	8

BUTCHER KNIVES

BUTCHER KNIFE ASSORTMENT

One dozen Special, Extra Finish Knives in Display Box. Blades of High Carbon Crucible Steel

- 7 inch Blades, Ebony Handles, Three Rivets
- 7 inch Swaged Blades Walnut Handle with Two Steel Bands
- 2—6-inch Swaged Blades, Cocobolo Shaped Grip Handle. Three Brass Rivets and Burrs
- 2 6 inch Swaged Blades, Bolstered Ebony Handle Brass Rivets and Burrs
- 2 7 inch Swaged Blades Aluminum Handles, Coarse Filed
- 2 7 inch Plain Blades Cocobolo Handle Blade ground flexible. Brass Rivets and Burrs

Cat. No. 10507 - Assortment

UNIVERSAL STAINLESS BUTCHER KNIVES

Stainless Steel Blades. Cocobolo Handles. Large Brass Compression Rivets.

Cat. No.	Trade No.	Length Blade
10517	280 6	6 ins
10518	280 7	7 ins
10519	280 8	8 ins

OHIO PORCELAIN COOKING WARE

COLONNADE TEA POTS—SUNKEN COVER

Brown Outside White Inside

Cat. No	Trade No	Capacity Ozs.	Height Ins.
A2170	317	9	3¾

TEA POT—SUNKEN COVER

Brown Outside. White Inside

Cat. No.	Trade No.	Capacity Ozs.	Height Ins.
A2171	301	10	2¾

MONTREAL TEA POT

Brown Outside White Inside

Cat. No.	Trade No.	Capacity Ozs.	Height Ins.
A2173	314	10	4¼

CADILLAC COFFEE POT—SUNKEN COVER

Green Outside White Inside.

Cat. No.	Trade No.	Capacity Ozs.	Height Ins.
A2175	338	12	9

ENGLISH TEAPOTS

PLAIN

Brown Outside. Assorted Shapes.

Cat. Nos.	Trade Nos.	Capacity Ozs.	Cups
2195	1	16	2
2196	2	24	3
2197	3	32	4
2198	4	48	6

SAMIAN

Brown with Cream Band and White Stripes Assorted Shapes. Staple Patterns.

Cat. Nos.	Trade Nos.	Capacity Ozs.	Cups
2200	1	16	2
2201	2	24	3
2202	3	32	4

ENGLISH DECORATED TEA POTS

Dark Brown, Highly Decorated in Raised Colors Assorted Shapes.

Cat. Nos.	Trade Nos.	Capacity Ozs.	Cups
2217	42S	16	2
2218	66S	24	3
2219	30S	32	4

ASSORTMENTS

Tea Pots

Cat. No. 2220—Assortment English Decorated
2 dozen Assorted Shapes, Sizes and Decorations.

OHIO PORCELAIN COOKING WARE

Porcelain white body glazed outside with a brown mirror glaze making a fireproof, non-crazing, non-absorbing, acid-proof cooking utensil.
This ware is absolutely non-porous.

RAMEKINS

All White

Cat. No.	Trade No.	Capacity Ozs.	Diam. Ins.	Depth Ins.
A2101	6	4	3¼	1⅞

CUSTARDS

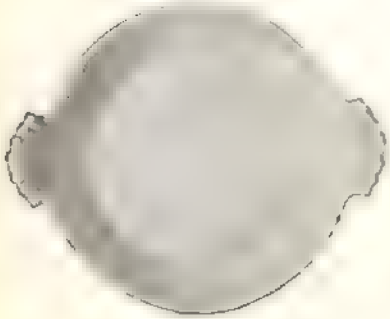
Brown Outside—White Inside

Cat. Nos.	Trade Nos.	Capacity Ozs.	Diam. Ins.	Depth Ins.
A2105	11	5	3½	2¼
A2106	12	7	3½	2½

BEAN POTS

Brown Outside—White Inside

Cat. No.	Trade No.	Capacity Ozs.	Diam. Ins.	Depth Ins.
A2107	15	8	2¾	2⅝



ROUND SHIRRED EGGS

Brown Outside—White Inside.

Cat. Nos.	Trade Nos.	Diam. Ins.	Depth Ins.
A2112	55	5¼	⅞
A2113	56	6	1⅛

OHIO PORCELAIN COOKING WARE

OVAL SHIRRED EGGS

Brown Outside—White Inside

Cat. Nos.	Trade Nos.	Length Ins.	Width Ins.	Depth Ins.
A2114	65	8	4¾	1¼
A2115	66	9	5¼	1¼

ROUND BAKING DISHES

Brown Outside—White Inside

Cat. No.	Trade No.	Diam. Ins.	Depth Ins.
A2119	91½	5	1⅜

OVAL BAKING DISHES

Brown Outside—White Inside

Cat. Nos.	Trade Nos.	Length Ins.	Width Ins.	Depth Ins.
A2120	76	6	4	1⅛
A2121	77	6¼	5	1⅛

ROUND CASSEROLES

Brown Outside—White Inside

Cat. No.	Trade No.	Capacity Pints	Diam. Ins.	Depth Ins.
A2124	152	2½	7	3
A2125	153	4	8	3¼

METAL STIRRUPS

XC Plate

Per Pair

No. 842—Men's, 3¾ in. Tread; 1¼ in. Loop; Weight Per Box 6 lbs . $0.74

Six Pairs in a Box

XC Plate

Per Pair

No. 898—Stockmen's, 3¼ in Bar Spread; Weight Per Pair 2 lbs $2.00

Open Stock

WOOD STIRRUPS

Heavy Ox Bow, Best Selected White Ash, Hard White Ash Neck; Nicely Polished

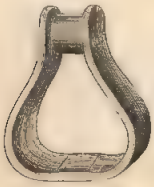
Per Pair

No. 932—Depth 5½ in.; Spread 5 in ; Neck 2¾ in.; Tread 2 in.; Weight Per Pair 1 lb . . . $1.08

Mens Light Ox Bow, Best Tough Ash, Polished

Per Pair

No. 842—Depth 5¼ in.; Spread 4¾ in.; Neck 2¼ in.; Tread 2 in.; Weight Per Pair 1 lb. $0.88



Light Solid Bent Common Elm, Fastened Through Neck with Staple and Plate

Per Pair

No. 512½—Depth 4¾ in.; Spread 4¾ in.; Neck 1½ in.; Tread 2½ in.; Weight Per Pair 1¼ lbs. $0.50

WOOD STIRRUPS

Heavy Hickory Ox Bow, Heavy Brass Bound, ¾x3 in.; Galvanized Iron Roller.

Per Pair

No. 112—Depth 5¼ in.; Spread 5 in.; Tread 2 in.; Weight Per Pair 1¼ lbs. . . . $3.00

SPURS

Malleable, Steel Rowel

Per Pair

No. 620—XC Plate; Weight Per Box 4 lbs. $0.50

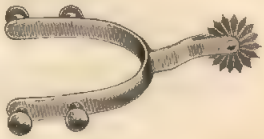
Six Pairs in a Box

Spring Steel, Steel Rowel

Per Pair

No. 693—Eureka, Nickel Plated, Weight Per Box 5 lbs $1.50

Six Pairs in a Box



New Pattern, Filed, Steel Rowel.

Per Pair

No. 676—2 in Shank, Weight Per Box 4 lbs $1.34

Six Pairs in a Box

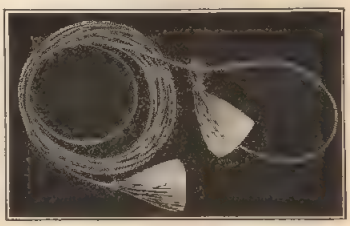
"OK" Malleable, Steel Rowel.

Per Pair

No. 685—Blued; Weight Per Box 4½ lbs $1.50

Six Pairs in a Box

YACHT LARIATS



Green Color Thread, With Egg Shape Brass Honda

Each

No. 40—35 Feet Long $4.00

YOU . . . in the Last Frontier Vacationland

WASHINGTON STATE... *and you at forest inns where snow peaks mirror in glacier lakes . . . you roaming the 172 sunny San Juan Islands of Puget Sound . . . you and the miracle of Grand Coulee Dam . . . you in the State of Washington . . . where scenery, sunshine, salt air and grand food do things to you*

WANT TO PLAY among cedars and Douglas firs a thousand years old? Want to ride an Indian dugout canoe with a real Siwash at the stern pole? You'll do it within three hours of Puget Sound.

Want to know Mount Rainier of the sunshine and glaciers? With gay inns nestled on its slopes high above the clouds? Mount Baker of the sky blue lakes and wild snow lilies, horseback trails and good food!

And the miracle of Grand Coulee Dam . . . the sage desert that will be turned to garden . . . mysterious Dry Falls of the Columbia River . . . petrified forests.

Find out how little it will cost you to explore Washington State. Where to go, how to get there, what you do and see is all in a new book. Just send the coupon.

WASHINGTON STATE PROGRESS COMMISSION

State Capitol, Olympia, Washington

Please send me *without charge:* (1) State of Washington book completely covering vacation opportunities (and costs). (2) Routing by motor.....; rail.....; plane.....; steamer.....; bus..... (3) Special literature on regions checked: Mt. Baker....., Olympic Peninsula and Pacific Beaches.....; Mt. Rainier.....; Grand Coulee Dam.....; Puget Sound and San Juan Islands.....

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EXTRA PLAY VALUE AND CHILD APPEAL

STAND-UP DOLLS A Best Seller

Any doll line to be complete should include a selection of all-rubber "stand-up" dolls. Many children prefer them. Seiberling serves this popular demand with a choice fast-selling selection for retail from 25 cents to $1.00.

CORE MOLDED RUBBER Better Appearance and Service

Seiberling Dolls are all rubber full molded on cores — not blown. Only by full molding on cores can you get uniform thickness and the fine texture smooth surface that looks better feels better and stays clean.

SEIBERLING Genuine Rubber DOLLS

DISTINCTIVE CHARACTER • CLEVER PACKAGING

DOUBLE PLAY VALUE
Fine Character Play Packages

Children take instantly to Seiberling Dolls. Fine character designs, natural flesh color, with beautifully decorated features, eyes with sparkle and full finished details. Movable heads. Clever packaging that doubles play value and child appeal.

SEE DISPLAYS OR WRITE FOR SAMPLES

You are invited to see Seiberling Doll displays at our New York office — 354 Fourth Avenue, or our Chicago office — 2035 South Michigan Ave. For samples write to SEIBERLING LATEX PRODUCTS CO AKRON, OHIO.

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Field & Stream

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Fish Laws

A NEW $500.00 CASH PRIZE CONTEST

ield & stream

NEW Game Laws

WHEN DOGS HUNT

December 1940

15¢

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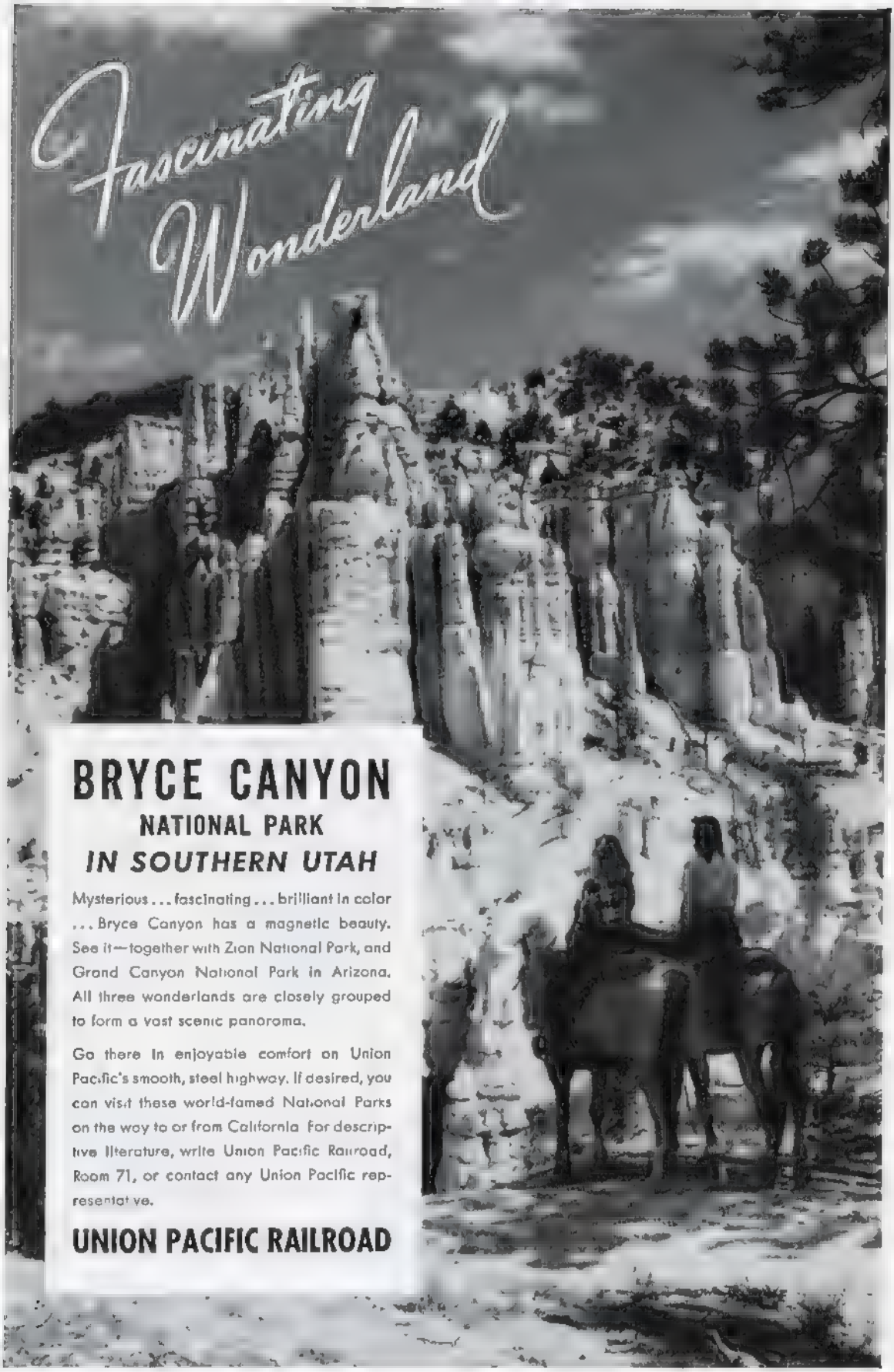

BRYCE CANYON

NATIONAL PARK

IN SOUTHERN UTAH

Mysterious . . . fascinating . . . brilliant in color . . . Bryce Canyon has a magnetic beauty. See it—together with Zion National Park, and Grand Canyon National Park in Arizona. All three wonderlands are closely grouped to form a vast scenic panorama.

Go there in enjoyable comfort on Union Pacific's smooth, steel highway. If desired, you can visit these world-famed National Parks on the way to or from California. For descriptive literature, write Union Pacific Railroad, Room 71, or contact any Union Pacific representative.

UNION PACIFIC RAILROAD

Advertised Leaders for 1946

ELSIE PARCHEESI Mr. REE

Game of the Month

CONSETTA

At last the mysteries of fortune telling have been incorporated into a game. Consetta and her Magic Wheel of Fate holds the secret, which is based on an easy but fascinating formula. The person having his fortune told will be mystified by the uncanny way his fate is revealed Consetta sees all and knows all in romance, success and travel. Everybody will want their fortune told by Consetta. **Number 40**

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- MONEY MAKER
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- CAVALCADE
- CRAZY THREES
- PAROLLETTE
- Mr. DOODLE'S DOG

Send for Your Copy of the 1946 S&R Game Catalog

SELCHOW & RIGHTER COMPANY

200 FIFTH AVENUE, NEW YORK 10, N.Y

4 TOY WINNERS

the original Woodettes

4 TOY MUSTS!

Combining

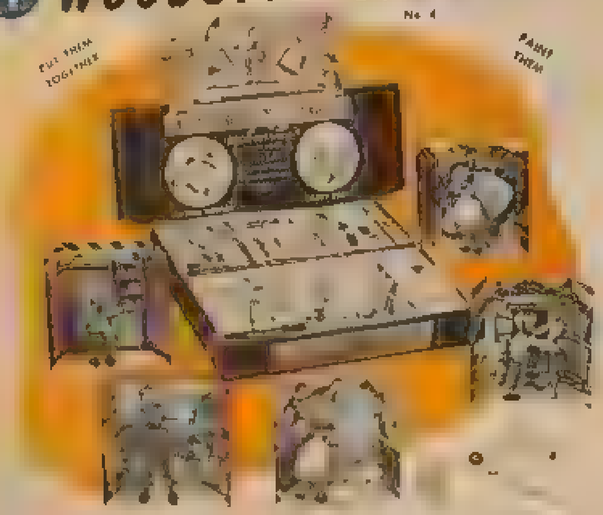
STEEL-ALUMINUM-PLASTIC-WOOD-RUBBER

to Produce Two of the Finest Constructed, Most Attractively Designed and Moderately Priced Action Pull Toys in America!

Here's the Sensational New Edition

(1) WOODETTE LIBRARY

No. 4



The real animal characters of Walt Disney's Bambi, Thumper, Flower, Mother Rabbit, Owl, Mother Quail and Bambi's Father are beautifully packaged, ready to be put together and painted. The unusual construction compares with the fine workmanship of the old Swiss wood carvers. Each set contains 4 Woodettes and the necessary materials. A set of Wonderettes (assembled and ready for painting), (2) Jack and the Beanstock, (3) Robin Hood, (4) Little Jack Horner & Mary Q. and their Lamb.

(2) A Proven Success Back Again in New Improved Packaging

WOODETTE CIRCUS

Woodettes are really worthy of giving you a tried and proven action toy. This set contains 9 parts ready to assemble and paint. Woodette Circus includes 2 Tableaux: The Ring and The Cage. The Lion and Bear. The Kiddie Cage with Tiger. The Elephant (to pull) and seal (to balance). Also parrots, monkey, camel. Animal cage. The Circus Box and Ball complete the set.

(3) WOODETTE Model 3 HELICOPTER Pull Toy

Here is the last word in perfect detail. Solid Aluminum Propellers, strut and landers—Transparent plastic nose with miniature pilot inside—steel gears and shaft—plastic tail—rubber wheels and plastic hub. Propellers whirl as Helicopter is pulled. Package is designed for use as airdrome—sturdy cardboard printed in 3 colors.

(4) Newl Sensational! Different! WOODETTE COASTGUARD BOAT Pull Toy

A combination of steel, aluminum, plastic, wood and rubber plus engineering and styling makes this the top sensation of the year. Constructed of 21 gauge steel, boat is mounted on sturdy plastic axles steel center axles and rubber wheels. Wheels roll or ride as boat is pulled. Package is designed for use as a colorful boat house.

Remember it takes more than material to make a Toy

Parker-Bechtold
Toy Division
200 Fifth Ave., New York 10

WOODETTES

"YEAR ROUND EDUCATIONAL RECREATION"

MERCHANDISE MART, CHICAGO 54 ILL

NEW! Better, Finer Juvenile Furniture

Designed and Built as Fine Furniture Should Be Built!

Not mere toys, "LITTLE DEB" juvenile furniture is fine furniture, painstakingly constructed and finished in exactly the same manner as is all better quality household furniture. Built entirely of fine hard woods, finished to a glossy Harvest Tan shade, every piece is bolted, braced doweled and glued to make it strong to the point of being practically "child-proof." Triple-sanded and triple-waxed "LITTLE DEB" furniture is absolutely splinter-proof! Correctly and beautifully styled by Ungar, each piece represents a Northwestern "first," entirely different from anything heretofore shown. Ample in size for children (even large children) 2 to 12 years old, with quality built in, the "LITTLE DEB" line combines ready sales appeal with lasting satisfaction!

401 L

1240 L

No. 401 L "Little Deb" Knee-hole Desk and Chair Set. ... $26.50 list

No. 1105 Modern "Little Deb" Blackboard and Book Rack Desk with Chair. ... $14.95 list

No. 80 L "Little Deb" Upholstered Leatherette Rocker. ... $12.95 list

No. 1255 "Little Deb" Oval-Top Modern Table and Chair Set. ... $19.95 list.

No. 1101 L "Little Deb" Single Drawer Desk and Chair Set. ... $13.95 list.

No. 1200-L Work Bench. ... $16.50 list

No. 1401 L "Little Deb" Sta-A-Way Chest and Seat. ... $10.95 net

No. 1260-L "Little Deb" Play-Day Table Set. ... $22.95 list

1102 L

1105

1101 L

NORTHWESTERN PRODUCTS CO
St. Louis 3, Mo

No 49 Chevron Carrom and Ring Game Combination Set of molded plastic with metal rings Size of carrom board 12 x 12 Attractively packaged in display carton 12 to shipper wt about 12 lbs $1.49 list

IMPROVED MUSICAL

POPEYEPIPE

No PEP 6 Improved Musical Popeye Pipe 3 long 1 high with four color pictures of Popeye and Wimpy Packed in box for shipper with display included Wt 8 lb 12 Doz list

No 402 505 Poosh-M-Up Bomb Sight Metal Plays Baseball Put N Take Two Sizes Pennants Bombs Long playing field Copper plated Two Sizes folding legs Size of field 3 x 2 ft Size of target 3 ft 18 in dia $1.49 list

4 PAGES OF HITS!

See Them at our TOY FAIR Display

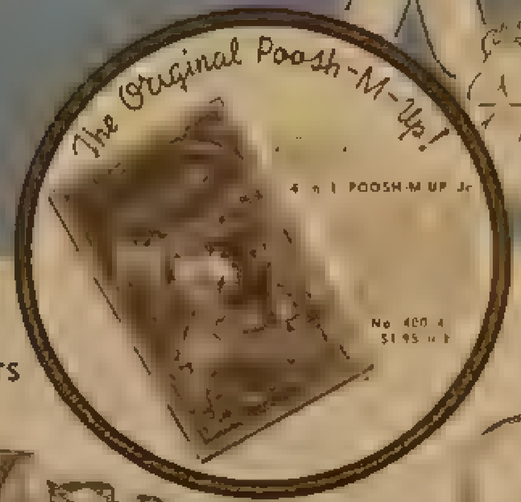
HOTEL McALPIN Rm. 362

or at our Permanent Display Room

FIFTH AVE. BLDG. Rm. 420

"DIRECT HIT"

Realistic Original Parlor Pastime Player actually loads bomb rocks spots objective aims sight releases bombs! It's a DIRECT HIT! Playing field 16 x 19 Highly lithographed in colors laminated directly on standard dart board Four plastic bombs Authentic 16 aluminum finished hardwood model plane fully equipped with bomb bay adjustable bomb sight trapper bomb release Attractively packaged in self closing container, 12 to shipper wt about 32 lbs No 900 $2.50 list



No 400 4 $1.95 list

No 400 33 Poosh-M-Up 3 in 1 Pin Game Plays Baseball, High Score Put N Take 13 x 25 Two playing fields Separate shooter has doubles players to shoot balls from any position Individually cartoned—12 to shipper wt 30 lbs $2.29 list

No 601 Jitterbug One Man Band 9 long 4 wide Plated metal to have 7 to shipper wt 9 lbs $1.25 list

No 500 408 Dart Game Complete Two color bull's eye target on one side baseball target on reverse Long-lasting special processed panel about 8 square Individually packed with two steel-point metal darts 12 to shipper wt 30 lbs $1.00 list

"Little Deb"
HOSPITALITY TRAY SETS

No 200 $1.39 list

"Little Deb"
LEMONADE SERVER SET

No 207 $1.00 list

No 66 Painting Easel Desk Type Blackboard Sturdily built of selected woods maple finished 29 high 20 wide when 17 x 18 has white blackboard shelf of colorful pictured alphabet, rooms paper and pencil rack 12 to shipper wt 40 lbs $3.95 list

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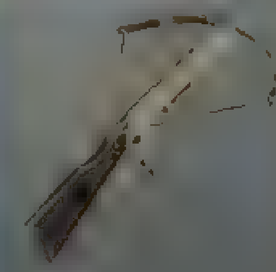

No 700 Bow Gun Gun has wooden Tar At appeal to boys & girls Has yellow & red bow Shoots wood pencils 7 wood pencils Stabilized bow Smooth finish length to length of bow 13 These wood pencils Gun to stand up & bow bend at to shipper wt about 2 lbs $1.00 list

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Every Day
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All Rayon Plush,
in Pink and Blue
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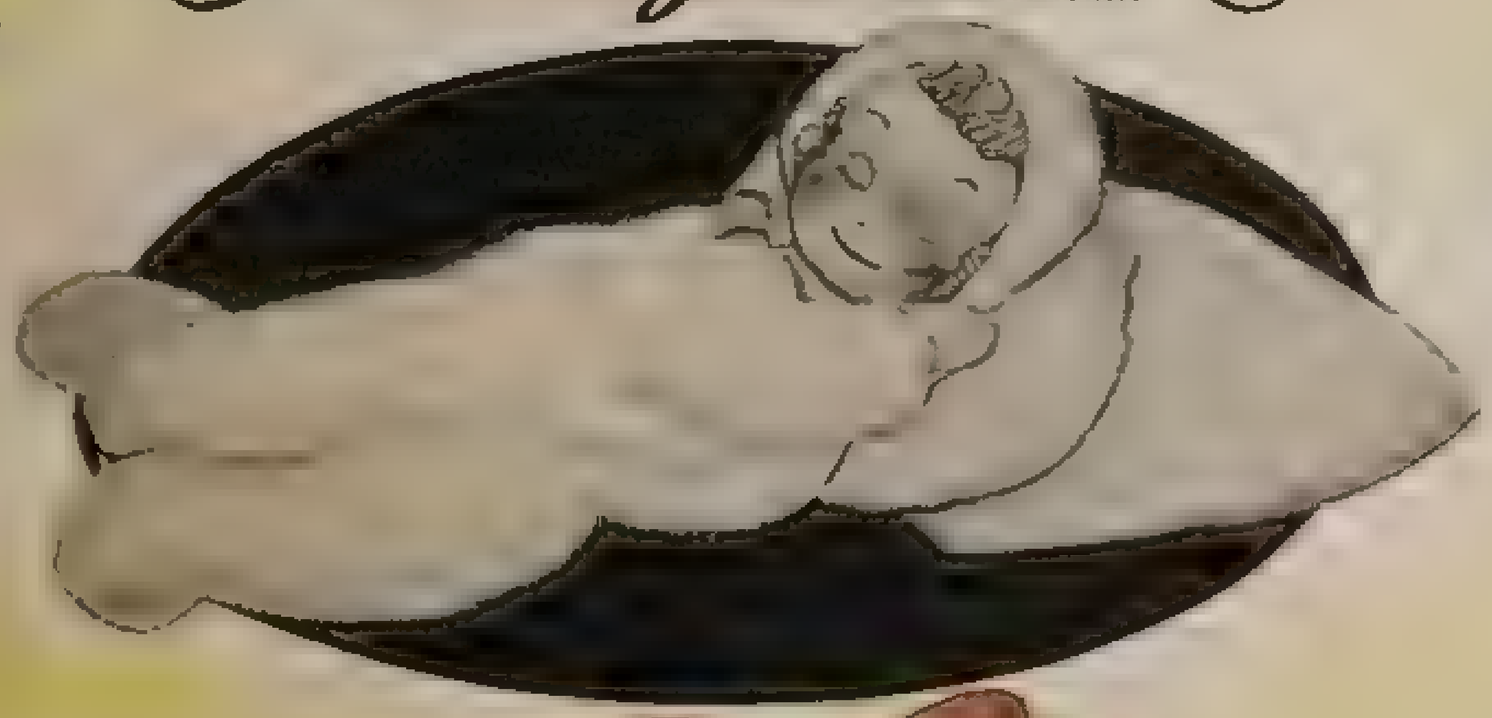
Order Now!



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200 FIFTH AVE — *America's Premier Line of Stuffed Toys* — NEW YORK CITY

See Our Complete 1946 Line

ROOM 534

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MADE OF Real LAMBSKIN

IT'S NEW! IT'S DIFFERENT! IT'S THE ONLY TOY WITH A "MAGNETIC" PERSONALITY!

ACTUAL SIZE 10" x 10"

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"NIPPY-PUP"

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THE WORLD'S-MOST LOVABLE MAGNETIC TOY!

Hold the magnetic bone close to his mouth and watch his cute little head turn and twist in perfect coordination with the movement of your hand. If you hold the bone too close he'll snap it from you. Children will love it—*It can't miss being a best seller!*

He's "LUXable" too

LUX LABORATORIES SAYS:

"They are fluffier than ever after 5 washings"

ENGINEERED FOR SAFETY

Eyes and mouth embroidered on—no glass or pins to come out or break

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Every Youngster in America

IS A PROSPECTIVE CUSTOMER FOR

GOLDEN FLEECE TOYS

MADE OF *Real* LAMBSKIN

It will be love at first sight

Because They're

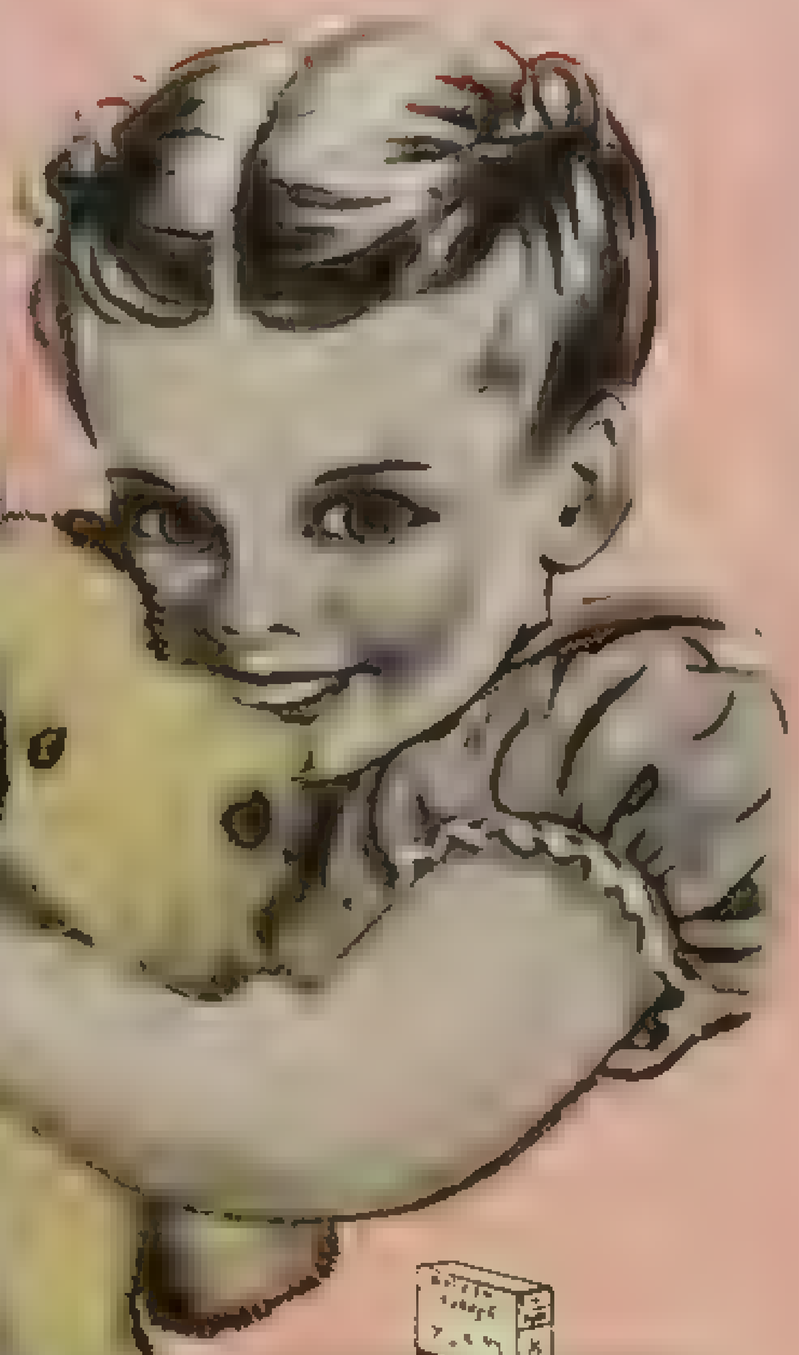
SO *Irresistible!*

SO *Inviting!*

SO *Tender!*

THEY ARE THE FINEST STUFFED TOY IN AMERICA

THE COURIER



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"They're *LUXable*"

LUX LABORATORIES SAYS:

"They are fluffier than ever after 5 washings"

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TOY COMPANY
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No. 210 CHILD'S ROCKER or CHAIR

Manufactured by San Hygene Upholstery Company, Akron, Ohio

NOTICE IMPROVEMENTS AT NO INCREASE IN PRICE

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LARGER ROLL ARMS, MORE COTTON PADDING

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With Springs

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LEATHERETTE
COVERS

Colors

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TERMS

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DAVENPORTS TO MATCH PRICE $10.00 PLUS 5%

NO. 410 IS THE SAME ROCKER AS NO. 210 MADE WITHOUT SPRINGS

SOLD EXCLUSIVELY BY

"STAUDT" CHILD'S ROCKERS

NEW ADDRESS: HICKORY, PENNA
PHONE HICKORY 108

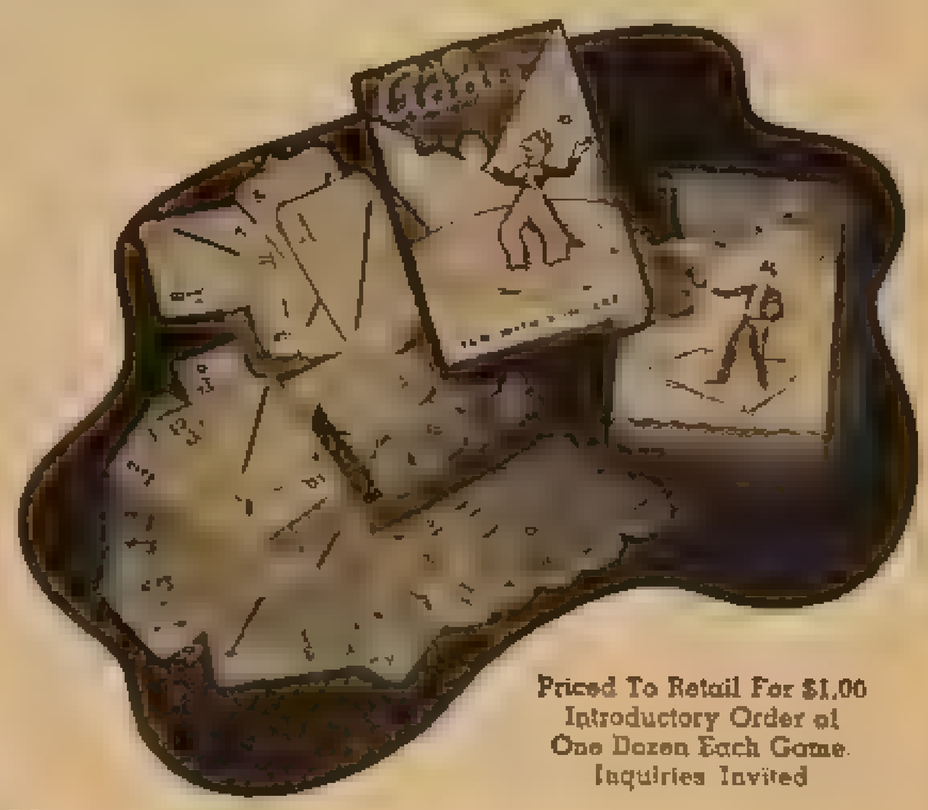
AT THE TOY FAIR-HOTEL BRESLIN, ROOM 106

STUMPED ?

Looks like Junior has the upper
hand in this game. But don't let POP
fool you, he's having a great time
playing "ADDIT" and "TALLYIT."
The rules are simple . . . but the competition's keen.

"ADDIT" and "TALLYIT" are two new exciting competitive educational card games — complete with attractive cards and numbered discs — all expertly designed and packaged.

- Based on addition and multiplication, these number games have a proven competitive appeal
- Fun, challenging and definitely educational . . . they train as they entertain.
- Popular as parlor games and during classroom recreational periods
- A pleasant way for Mom and Dad to help Junior gain speed in arithmetic.
- Any number can play either game, or a combination of both games, at one time For kids six to sixty.



Priced To Retail For $1.00
Introductory Order of
One Dozen Each Game.
Inquiries Invited

SPOT TESTING PROVED THEIR SALES APPEAL.

The Maxim Games Co.

514 WEST 113th STREET, NEW YORK 25 N Y.

607

[redacted]

Here they come!

FLASHY!

REALISTIC!

RUGGED!

Set No 7500
as illustrated
Retail Price $1.00

ALL-METAL TOOTSIETOY AIRPLANES

Wheels that really turn! Props that really spin! Speedy looking, speedy SELLING!

From the sleek, silvery P-38 to the big PBY flying boat these new TOOTSIETOY planes are marvels of realism in miniature. And when they settle down for a landing on your toy counter, sales and profits will go up and UP!

See these great planes and all the other die cast, all-metal, Rol-Ezy Tootsietoys in the 1946 line—at the New York Toy Fair this month

Because of material and labor shortages TOOTSIETOY production has not yet reached full volume. For a little while longer we'll have to continue allocating the limited supply among our old customers. Dowst Manufacturing Co., Chicago.

TootsieToys

ALWAYS LOOK FOR THE NAME ON EVERY TOY

THE SWEETEST, MOST COLORFUL LITTLE TOY TRAINS TO DELIGHT THE HEART OF EVERY LITTLE TODDLER

No. 102—CIRCUS 14½" LONG

New COLOR! *New* DESIGN! *Greater* DURABILITY!

No. 100—FREIGHT 14 LONG

THE *New* TAYLOR-MADE MINIATURE TOY TRAINS

No. 103—PASSENGER 16 LONG

GIFT PACKED IN BEAUTIFUL 4-COLOR DISPLAY BOX!

THE TAYLOR *Durability* TEST

You bet they're durable. They can support the weight of an adult! They take plenty of punishment from any active youngster and come back for more!

Retails for One Dollar!

the biggest dollar's worth to hit the Toy counters in years! Hundreds of thousands of these little wonder trains sold last year and repeat orders are still pouring in. Now, in these beautifully decorated, brilliantly colored designs they're destined for even greater sales successes in 1946.

Previews by leading buyers have already resulted in large sized orders. They say "the Mighty Midget is on its way again." Shipments start in March.

TAYLOR-MADE PRODUCTS, INC

See them!

IN ROOM 448 - - 200 FIFTH AVE.
IN ROOM 305 - - 200 FIFTH AVE.
IN ROOM 105 - - HOTEL BRESLIN
29th St. and Broadway

The
TAYLOR-MADE
Miniature
TOY TRAINS

The sensational mighty midgets that made the grade to become one of the outstanding successes in 1945

Emerge in a New
Brilliance of Color
and Design for 1946!

Open the spread and see the new

GET YOUR SHARE OF 1946 PROFITS

WITH *Assured* SALES!

The
TAYLOR-MADE
Miniature
TOY TRAINS

SOLD BIG IN 1945!

with these
- NEW DESIGNS
- ADDED COLOR
- NEW MODELS
- GREATER DURABILITY

and

- FULL COLOR GIFT PACKAGING

They'll be the "HOT"
$ 500 Retailers for '46!

TAYLOR-MADE PRODUCTS, INC

Established 39 Years

TOYS and NOVELTIES

SEPTEMBER 1947

National Magazine for Buyers of Toys, Games, Hobbies and Crafts

NEW Strathmore MAGIC TABLE SET

The Original and Only MAGIC SET Contained in a COMBINATION Carrying Case and Magician's Table!

NOTHING LIKE IT EVER BEFORE! Strathmore's sensational success with Peter Rabbit Magic led to development of this amazing advance in Magic Value. More and bigger tricks! More eye widening, jaw dropping deception . . . for a world of laughter and fun. Best of all, an amazing substantial value. Here's a real CARRYING CASE that converts into its own MAGICIAN'S TABLE. Boys and girls everywhere take the tricks along to homes of neighbors and friends. They set it up in a few seconds for a full dress Magic Show that lays them in the aisles. No additional props necessary! It's all there, right in the Magic Carrying Case

First orders get first deliveries. Compare the Tricks, the Materials, the Case, the Stand for a BIG VALUE at $3.50 retail. See if you don't agree it's the Biggest Magic Buy you've ever seen in your Merchandising Experience!

PROGRAM OF TRICKS

The Magic Wand • Mysterious Pocketbook • The Enchanted Ring • The Magic Slate • Mind Reading Trick The Multiplying Blocks The Jumping Block • Radar Vision • Topsy Turvy Cans The Jumping Carrot • Mystic Portraits • The Magic Transformation • Sink or Swim The Vanishing Disc • The Dissolving Coin • The Vanishing Box

REPRESENTATIVES

CHARLES H. CARROLL
1421 Merchandise Mart
Chicago 54, Ill.

ARTHUR FREY
200 Fifth Avenue
New York 10, N. Y

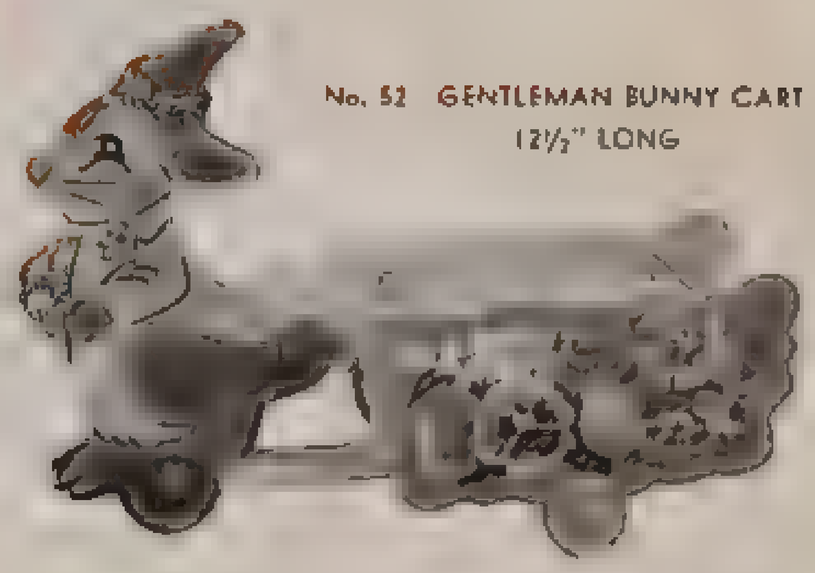
C. W. SCHAEFER
164 Humes
Memphis, Tenn.

FASSBURG & PHILLIPS
1307½ Commerce St
Dallas, Texas

RETAILS AT ONLY $3.50

WRITE OR WIRE—THE STRATHMORE CO., AURORA, ILL.

IT'S NOT TOO EARLY TO Plan for EASTER!

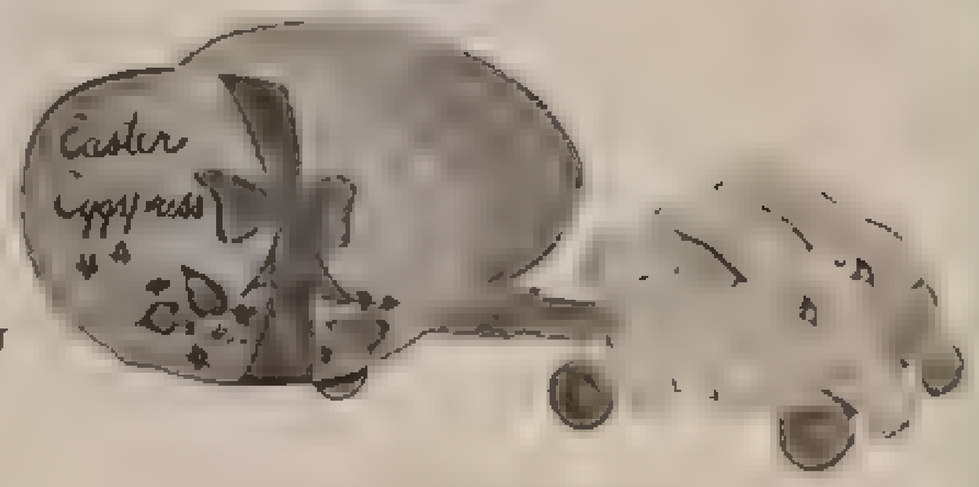


No. 52 GENTLEMAN BUNNY CART
12½" LONG

No. 54 PAPA BUNNY FAMILY 13¼" LONG

No. 55 PEASANT CART
12¼" LONG

No. 57 DUCKY GO-CART
12½" LONG



No. 51 BUNNY NEST
8½" LONG

No. 58 EASTER EGGSPRESS
21¾" LONG

New

Beautiful Colors

Unusual Designs

Sell them ready filled or to be filled with Easter Eggs

ATTRACTION ON DISPLAY THAT MAKES PROFITS FOR YOU

Buying for Easter is always early and this year our production will be limited because facilities are being used for production other than toys. We will handle no late buying. Our salesmen will complete their calls by November

Write to TOY KRAFT INC., WOOSTER, OHIO

ToyKraft INC.

The Famous Line of Exclusive Toys

In 1946

Every order was delivered

WE'RE READY AGAIN

Order Now

Suggested Price

98c

Here's the Train

and the colorful carton the 3 cars come in

You Judge the Quality --

HERE ARE THE "SPECS"

Part Name—Stafford Streamliner Train Set
Part Assembly—No. 1020
Bodies—20 Gage Steel, .035
Colors—Red, Black, Blue
Wheel Material—Aluminum
Wheel Color—Natural Aluminum
Construction—One Piece Bodies
NO RIVETS—NO TABS

	Length	Width	Height
Streamliner	12½"	1½"	2"
Gondola	6½"	1½"	2"
Caboose	6 "	1½"	2"
Train Set	25 "	1½"	2"

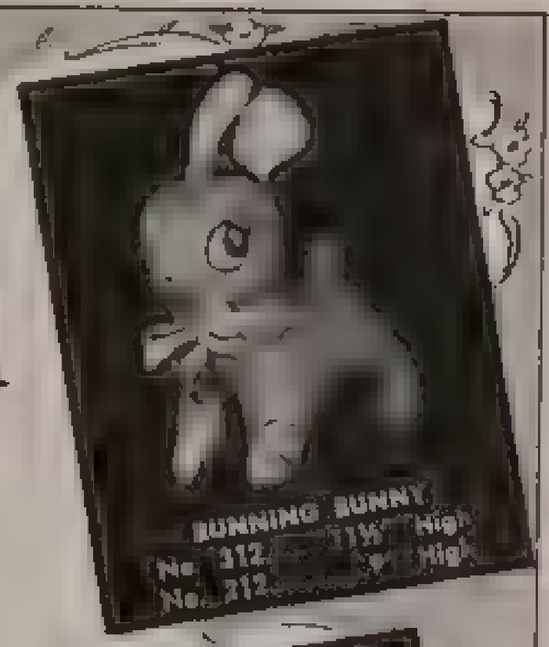
Shipping Unit—2 Dozen Train Sets
Shipping Weight—38 lbs.

Order Through Your Jobber

Write or Wire for Further Particulars

STAFFORD CORPORATION • 1800 E. ATWATER CA 7970 DETROIT 7, MICH.

YOU CAN ALWAYS RECOGNIZE an Artistic TOY



. . . EASTER

the season of joy and happy carefree laughter . . . little children playing with toys and bunnies . . . Artistic Toys again as always giving pleasure to countless children everywhere.

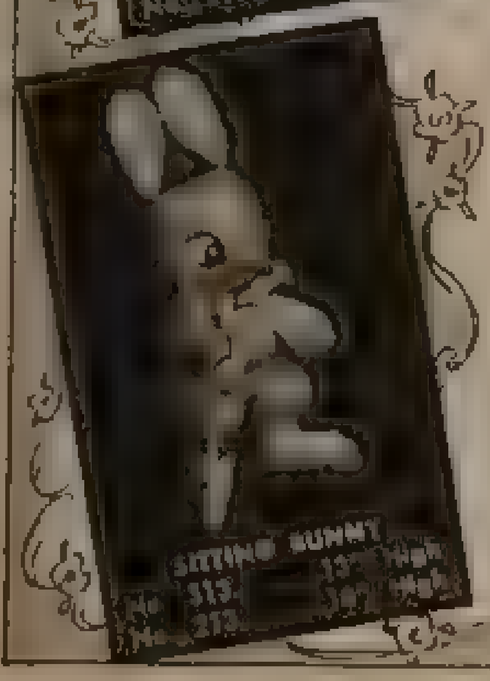
Whatever the season, whether it is Easter or the gift giving occasion of a birthday or party an Artistic Toy always makes a hit with young or old

CHILDREN ARE ATTACHED TO ARTISTIC TOYS!

★ COLORFUL ★ ORIGINAL DESIGNS
★ WASHABLE ★ SANITARY
★ PYROXYLIN COATED

These toys are made especially durable to take both the caresses and the rough play of active children

No. 40	Range Packed 1 Dozen Assorted to Carton
No. 310	Range Packed 1 Dozen Assorted to Carton
No. 210	Range Packed 2 Dozen Assorted to Carton



Artistic Toy Co.

101 W. LEHIGH AVE., PHILA. 33, PA.

In 1946

Every order was delivered

WE'RE READY AGAIN

Order Now

See us at Room 1004
Hotel McAlpin
during Toy Fair

Suggested Price

98c

Order Through Your Jobber

Here's the Train

and the colorful
carton the 3 cars come in

You Judge the Quality --

HERE ARE THE "SPECS"

Part Name—Stafford Streamliner Train Set
Part Assembly—No. 1020
Bodies—20 Gage Steel, .035
Colors—Red, Black, Blue
Wheel Material—Aluminum
Wheel Color—Natural Aluminum
Construction—One Piece Bodies
NO RIVETS—NO TABS

	Length	Width	Height
Streamliner	12 1/2"	1 1/2"	2"
Gondola . .	6 1/2"	1 1/2"	2"
Caboose	6 "	1 1/2"	2"
Train Set	25 "	1 1/2"	2"

Shipping Unit—2 Dozen Train Sets
Shipping Weight—38 lbs.

Write or Wire for Further Particulars

STAFFORD CORPORATION • 1800 E. ATWATER CA 7970 DETROIT 7, MICH.

1947 KITE HEADQUARTERS

Never before these 3 features in 1 kite line

1 **Big names.** Famous comic strip characters whose names spell "tops" to every American youngster

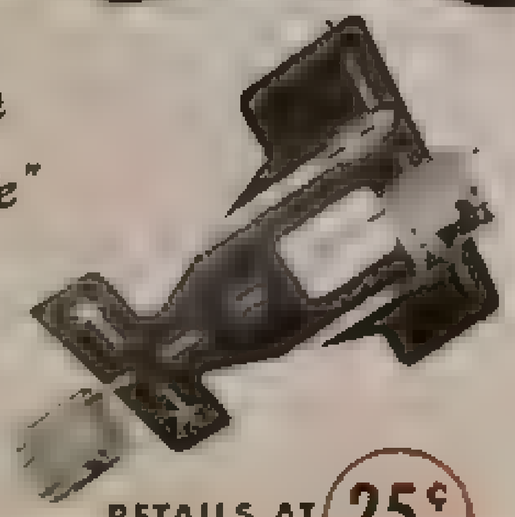
2 **Jet propelled design.** Open cylinders give these kites the appearance and performance of jet propelled action.

3 **Four-season flying.** The only 4-season kites. Fly on slightest breeze or in high wind. No running necessary.

Buck Rogers "Strato-Kite"

(Individually boxed)

The original "jet propelled" kite recently featured in newspaper releases from coast to coast.



RETAILS AT 25¢

Flash Gordon "Super-Flyer"

(Individually boxed)

Colorfully designed on best quality stock. Lavishly packaged for fast counter turnover.

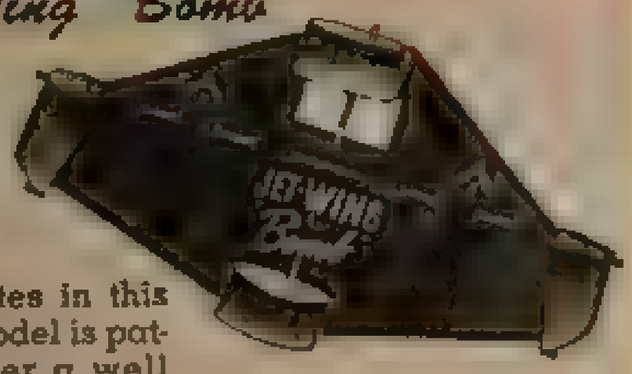
RETAILS AT 25¢

Flash Gordon "Champion"

A cheaper kite with the same "jet propelled" design and action as higher priced models.

RETAILS AT 15¢

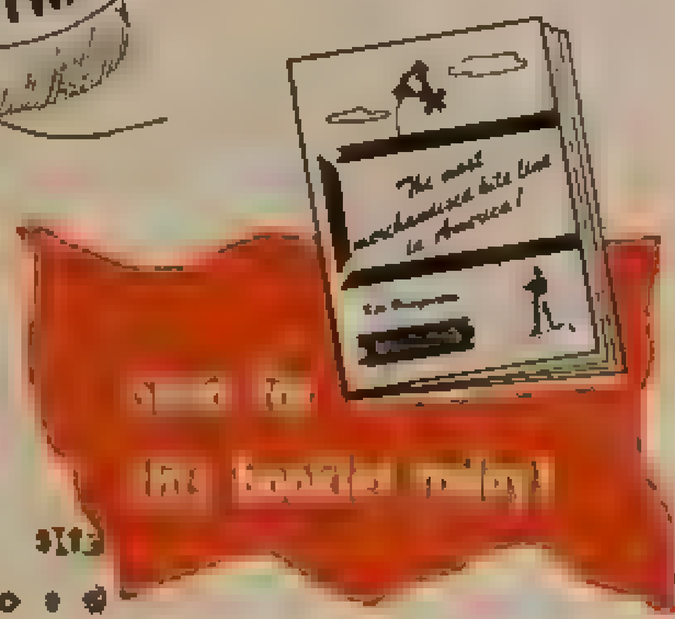
Jet-Wing "Bomb"



Like all kites in this line this model is patterned after a well known American plane.

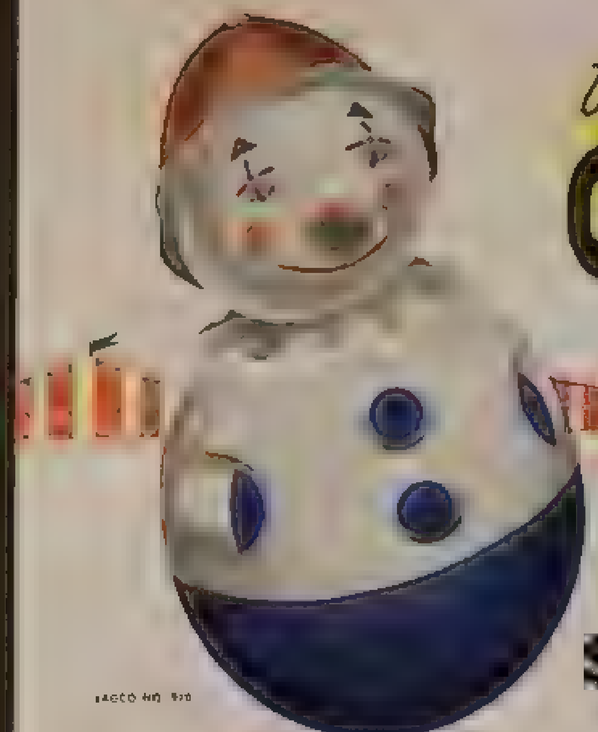
RETAILS AT 15¢

Ample quantities of kite twine also available at popular prices.



PRODUCTS MERCHANDISING ASSOCIATES, INC. 69 W. WASHINGTON ST.
Chicago 2 ILLINOIS

the BOBBIN CLOWN



LAGCO NO 910

$1.00 RETAIL

New! DeLuxe PLASTIC PLAY TOY

Featuring Exclusive LAGCO Moulded Detail

Toyland's gayest, most appealing new subject! A deluxe NON-INFLAMMABLE plastic play Toy with triple appeal — it floats, rattles, rocks! The Bobbin Clown feature, exclusive LAGCO moulded detail on the body, face and cap. Produced of durable heavy gauge plastics in brilliant multi-contrasting colors and sparkling finish. Satin smooth, colorfast, fade-proof, sanitary and washable. Individually boxed in colorful counter display carton. Measures 7 in. high, 4 in. wide.

BOBBIN CLOWN LAGCO NO 910

SHOWROOM, NEW YORK CITY, 200 5th AVE., ROOM 561

...Meet the BOBBIN POLICEMAN

LAGCO NO 911

COLORFUL Combination FLOAT TOY, RATTLE, ROLY-POLY

Featuring Exclusive LAGCO Moulded Detail

He's the idol of the toy beat! A jovial character from the gay '90's. Durable heavy-gauge NON-INFLAMMABLE PLASTICS throughout featuring exclusive LAGCO moulded detail. Brilliant colors with FLESH-COLORED face and sparkling finish. Satin smooth, colorfast, fade-proof, sanitary and washable. Measures 6½ in. high, 4 in. wide.

PACKAGED to Sell!
The BOBBIN POLICEMAN is packed individually in a colorful counter display carton.

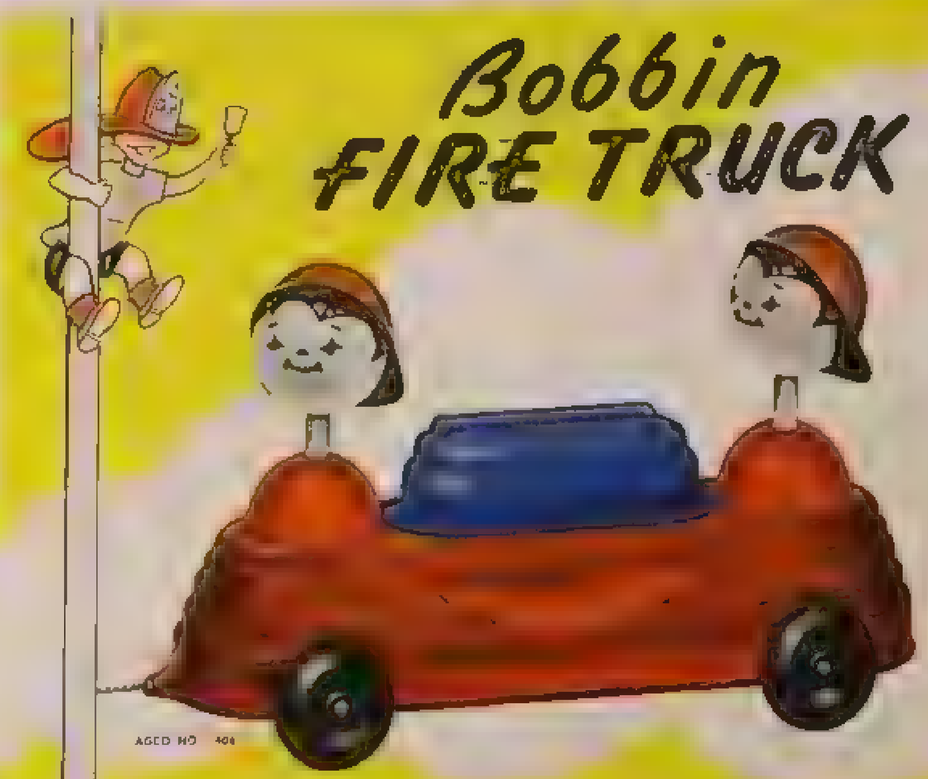
BOBBIN POLICEMAN LAGCO NO 911

SHOWROOM, NEW YORK CITY, 200 FIFTH AVE., ROOM 561

L. A. GOODMAN MANUFACTURING CO.

L. A. GOODMAN MANUFACTURING CO.

Bobbin FIRE TRUCK



AGCO NO 404

MULTI-ACTION PULL TOY!

Sure to capture your attention the BOBBIN FIRETRUCK! FASCINATING ACTION with NON-INFLAMMABLE plastic firemen [illegible] bob up and down. The heads are removable and mounted to be [illegible] individual rattles. Rubber wheeled streamlined [illegible] of one-piece heavy gauge METAL coming with no sharp edges. Length 8 in. Height 4 3/4 in. Width 2 in.

BOBBIN FIRE TRUCK LAGCO NO 404

$1.00 RETAIL

PACKAGED 3 IN A CASE

The BOBBIN FIRE TRUCK is packed singly in an attractive multi-colored display carton

L. A. GOODMAN MANUFACTURING CO.

131 145 WEST 63rd STREET CHICAGO 21 ILLINOIS

WHEN IN NEW YORK CITY, VISIT OUR SHOWROOM, 200 FIFTH AVENUE, ROOM 561

the BOBBIN RACER...

. with Super Head Action!

AGCO NO 1410

50c RETAIL

FAST ACTION *DeLuxe Plastic* PULL TOY

A NEW LAGCO super action PULL TOY! The BOBBIN driver bobs way up—forward—all the way down in the most pleasing manner, faster and faster as he is pulled along. Streamlined speed car of one piece heavy-gauge plastic with rubber wheels. Plastics are colorfast, washable, NON-INFLAMMABLE. Brilliant contrasting colors and sparkling finish. Individually boxed in specially designed colorful counter display carton. Moderately priced, destined to be a top seller! Length 4 1/8 in., width 2 1/8 in. height 4 1/8 in.

BOBBIN RACER LAGCO NO 1410

FEATURES

- STREAMLINED DESIGN
- ONE PIECE CHASSIS
- SUPER HEAD ACTION
- BRILLIANT COLORS
- RUBBER WHEELS
- INDIVIDUALLY BOXED

L. A. GOODMAN MANUFACTURING CO.

131 145 WEST 63rd STREET CHICAGO 21 ILLINOIS

SHOWROOM, NEW YORK CITY, 200 FIFTH AVE., ROOM 561

First Choice for '49-

MERCURY BICYCLES

Smartly styled from fender tip to tail light, Mercury Bicycles have extra saleability *that makes them an outstanding profit item... The complete Murray Ohio line includes: STEELCRAFT Velocipedes, Autos, Wagons, Tricycles ... MERCURY Bicycles, MUSSELMAN Coaster Brakes*

The Murray Ohio Mfg. Co. • Cleveland 10, Ohio

SYMBOL OF QUALITY

ILLUSTRATED CATALOG SENT ON REQUEST

ADVANCE TOY FAIR ISSUE

TOYS and NOVELTIES

FEBRUARY 1949

NEVER BEFORE SUCH RESPONSE

Orders totaling thousands per day for this sensational new number has literally swamped us since our announcement last month. We have doubled our original production and shipping as fast as possible. Rush your order today for a real cash register workout! You'll have another red hot Strathmore seller.

25c RETAIL

SPECIFICATIONS

STOCK NO 50 Strathmore Magic Slate
SIZE 4 x 7" Individually Packaged
PACKED Minimum Shipment 6 Doz Case
WEIGHT: Approximately 12 lbs. Per Case
DISPLAY: Advertising Mats and Cuts

COUNTER DISPLAY ON REQUEST

WRITE OR WIRE

THE STRATHMORE CO.
AURORA, ILLINOIS

CHARLES H CARROLL
1421 Merchandise Mart
Chicago 54, Ill

ARTHUR FREY
200 Fifth Avenue
New York 10, N Y

C. W. SCHAEFER
164 Humes
Memphis, Tenn

STERN MORGENTHAU & CO
510 Avenue of the Americas
New York 11 N Y

Strathmore SALES SENSATION

YEAR-ROUND SELLERS

COMPLETELY UNDERWRITER LABORATORY APPROVED

★

THEY'RE PROFITABLE
Dealer Sales prove it.

★

THEY'RE FUN
Kids love 'em

★

THEY'RE EDUCATIONAL
Youngsters learn to appreciate and enjoy music

★

THEY'RE PERFORMANCE-ENGINEERED AT ELECTRONICS PARK

★

THEY'RE ELECTRONIC
Give excellent record reproduction

The General Electric Juvenile Products are designed to captivate young eyes and adjust purses. Brilliantly colored, quality-built, simple to operate, they fulfill every requirement for a youngster's personal instrument and also meet the modern demand for instructive and educational toys that have a purpose.

Dealers everywhere have found them fast movers month in and month out—the kind of merchandise that keeps customers coming back to recover and profit.

You'll want to see them—hear them—stock them. Be sure to visit our display at the Toy Fair.

THE CONSOLE RECORD PLAYER

- Attractively decorated for children
- One amplifier and one rectifier tube—easily automatic types
- Convenient on-off switch and volume control
- High output crystal cartridge
- Plenty of record storage space for 10 12" albums
- Radio-console quality reproduction
- 5" G-E Alnico 5 speaker
- Six-foot heavily insulated cord supplied
- Packed one to a carton

FOR A YEAR-ROUND MARKET

Here's Something New! THE PLAYTALK by General Electric

Just the thing for "small" talk
A barrel of fun for the kids
Keeps little tongues wagging
by the hour. It can be used for
toy plays and music, will record
radio programs, pet animal
voices, and a host of other in-
teresting activities in a child's
world.

- Records and plays back instantaneously
- Uses low-priced discs that are easy to obtain
- Discs can be used again and again or may be kept permanently
- More than two minutes playing time
- Equipped with magnetic disc recorder head
- Combination recording and playback tone arm
- Employs 3 radio tubes.
- Only 2 switches to operate.
- Children learn to use it quickly
- Two discs supplied with each instrument
- Microphone attached.
- Heavily insulated cord supplied
- Packed one to a carton

VISIT OUR DISPLAY AT THE TOY FAIR

Hotel McAlpin — Room 615

Another New Arrival!

COMBINATION RADIO-PHONOGRAPH

- 3 tubes and 1 rectifier
- Combines compact volume control
- Radio tuning scale
- [illegible] switch [illegible] phonograph [illegible]
- High output crystal cartridge for phonograph
- [illegible] storage [illegible] albums
- Simple [illegible] for easy operation
- 5" G-E Alnico 5 speaker
- Six-foot heavily insulated cord

THE TABLE MODEL RECORD PLAYER

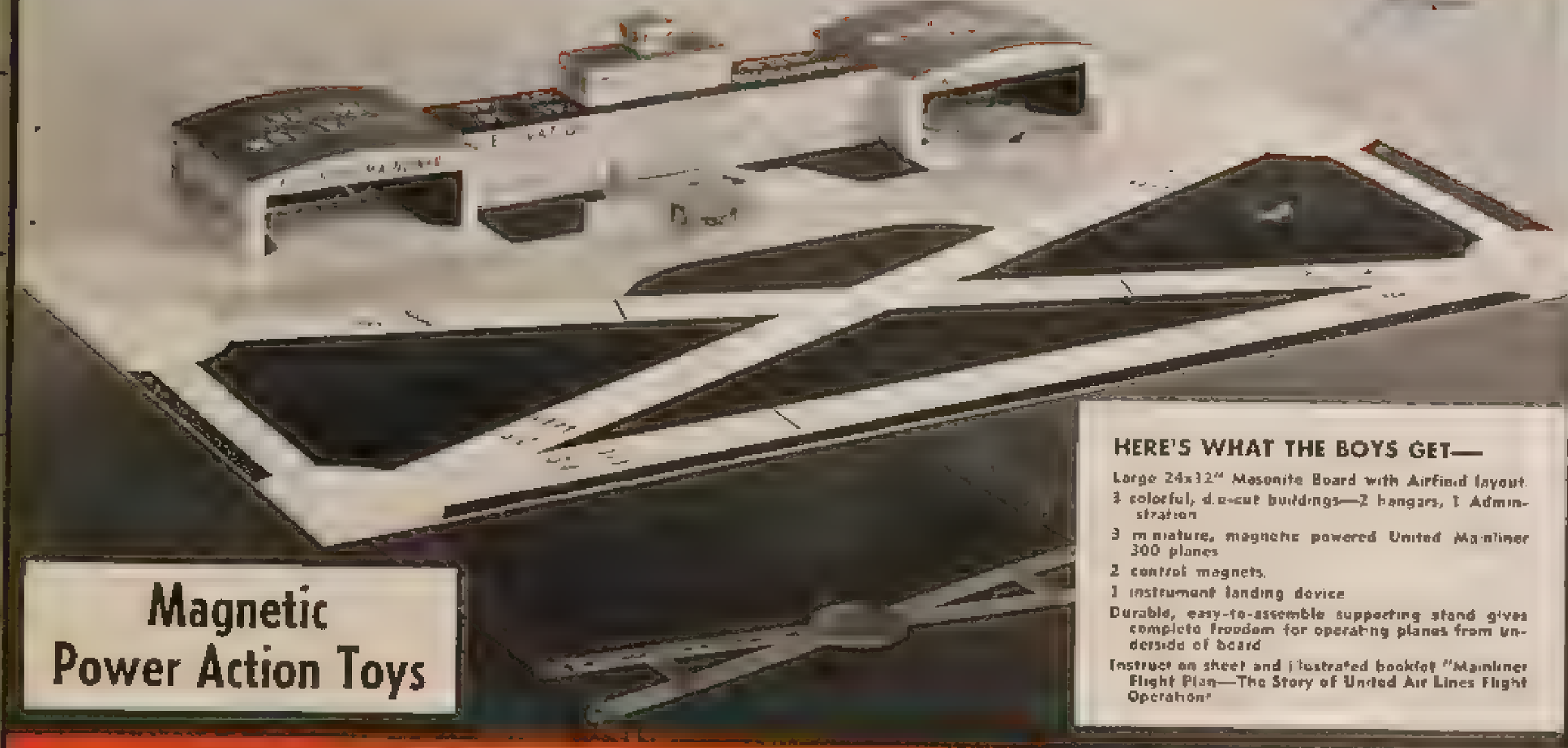
- Brightly colored all-steel case
- Constructed like adult radios
- High quality radio components used
- Complete [illegible]
- High [illegible]
- 4 [illegible]
- 5 needles packed with [illegible]
- Six-foot heavily insulated cord supplied
- Packed one to a carton

You can put your confidence in—

GENERAL ELECTRIC

CRAWFORD FIELD

...the NEW exciting, magnetic toy
for the modern, air-minded American boy



Magnetic Power Action Toys

HERE'S WHAT THE BOYS GET—

Large 24x12" Masonite Board with Airfield layout.

3 colorful, die-cut buildings—2 hangars, 1 Administration

3 miniature, magnetic powered United Mainliner 300 planes

2 control magnets.

1 instrument landing device

Durable, easy-to-assemble supporting stand gives complete freedom for operating planes from underside of board

Instruction sheet and illustrated booklet "Mainliner Flight Plan—The Story of United Air Lines Flight Operation"

Hours of Play Value...

Means volume sales and big profits for you

Lots of play value—authentic Airfield—scale model planes—authentic buildings and ground layout. Planes take off and land with fantastic realism. Easy to assemble! No batteries—no plug-in. Nothing to bolt or screw—nothing to cut out or glue. Entire toy folds flat for easy storage. Packed in sturdy box with colorful, eye-appealing label.

Here's safe, clean, fascinating, highly educational fun for all at low cost. Here's big, year-round volume and profits for you.

Manufactured By
CRAFTALL INC.
2253 SOUTH HALSTED ST.
CHICAGO 8, ILL.

Coming...
A New CRAFTALL Magnetic Power Action Toy

Coming...
Sammy Sharp the Marksman of Target Games

$3.45 SUGGESTED RETAIL PRICE

SALES REPRESENTATIVES

LINDSAY-BERGSTROM CO.
Mercantile Bldg., Denver, Colorado. Covering Arizona, Idaho, Montana, New Mexico, Utah, Wyoming

GEO. H. MILLER
10 S. La Salle St., Chicago, Illinois. Covering Indiana, Michigan, Ohio, Wisconsin

J. T. SAAKE
987 Western Merchandise Mart, San Francisco Covering California and Nevada

TAYLOR & FLESHER
903 Foshay Tower, Minneapolis. Covering Minnesota, Iowa, North and South Dakota

T. F. SANFORD CO.
Hendersonville, N. Car. Covering North and South Carolina, Alabama, Florida, Georgia, Kentucky, Mississippi, Tennessee, Virginia, West Virginia

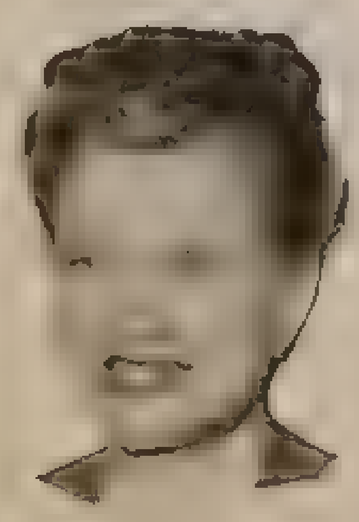
LINDEN THORESON
402 S. Ervay St., Dallas, Texas. Covering Arkansas, Louisiana, Oklahoma, Texas

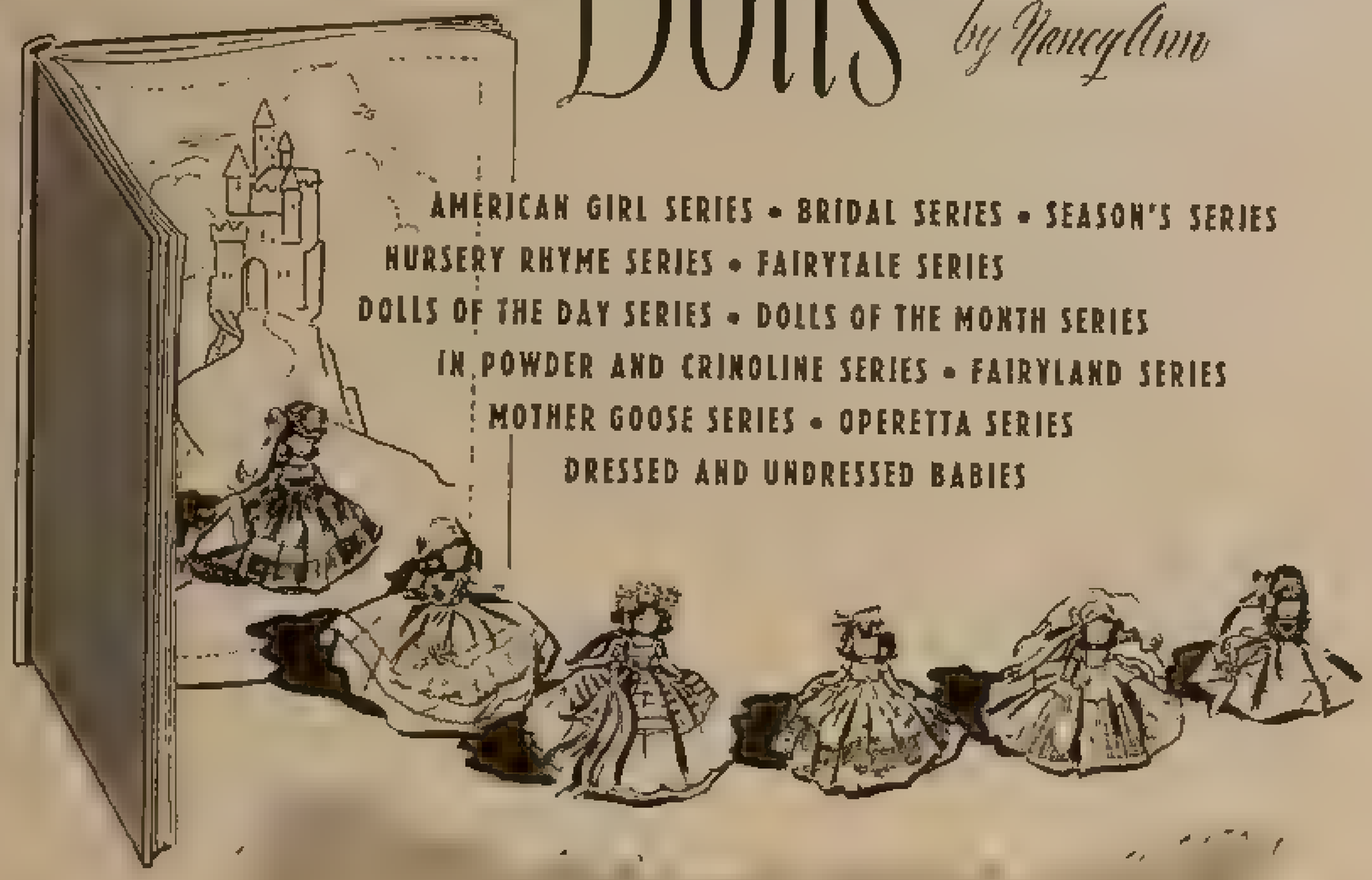
JOHN HOWARD SHAIN
Wynnewood, Pa. Covering D. C., Maryland New Jersey and Penna.

CHAS. F. DAVIS
31 N. Broad St., Johnson City, N. Y. Covering Connecticut Delaware, Massachusetts, Maine New Hampshire New York, Rhode Island, Vermont

Storybook Dolls

by Nancy Ann





AMERICAN GIRL SERIES • BRIDAL SERIES • SEASON'S SERIES
NURSERY RHYME SERIES • FAIRYTALE SERIES
DOLLS OF THE DAY SERIES • DOLLS OF THE MONTH SERIES
IN POWDER AND CRINOLINE SERIES • FAIRYLAND SERIES
MOTHER GOOSE SERIES • OPERETTA SERIES
DRESSED AND UNDRESSED BABIES

NANCY ANN STORYBOOK DOLLS, INC.

MANUFACTURERS OF STORYBOOK DOLLS

1298 POST STREET • SAN FRANCISCO 9, CALIFORNIA

Meet the King and Queen of Hearts

Only EFFANBEE makes

[redacted]

Only EFFANBEE makes

Dy-Dee

Spring looks fine for '49!

You bet—the biggest Toy Fair ever! Dy-Dee Howdy Doody Howdy — and all the other captivating Effanbee dolls are looking forward to seeing you there

EFFANBEE Dolls

Another Fine NOMA Product

Effanbee Means "Finest and Best"

Showroom—200 Fifth Avenue, New York, N. Y.

11 10 9 8 7 6 5 4 3 2 1 0

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

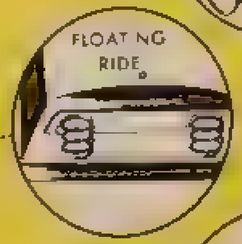
MODEL
G-111

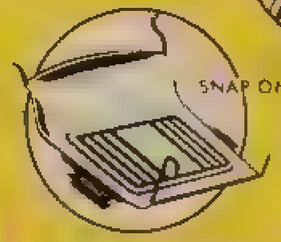
BIG AND DED
RUBBER TIRES

BALL BEARING
WHEELS

MURRAY-GO-ROUND

FASTER TURNOVER
and BIGGER PROFITS for You!





SAFE Your baby can play happily for hours in a Murray Go Round. The wire side guards prevent baby and toys from getting out of bounds at all times. Waste tube across front and rear protect baby's clothes from scratches or marks.

FEATURES

White Rubber Handle Grips — Soft, pure white rubber grips for extra comfort when using chair for standing or walking.

No Sharp Edges — Chrome on wire frame will not cut, scratch or tear clothing as in a Murray Go Round. All edges are rounded and smooth.

Shimmy-Free Forks — Have the right position at which the wheel appears to know how the caster type fork can't wobble.

Acid-Proof Non-Tarnishing — Trade name for chrome.

Big Molded Rubber Tires — Wide, deep tread, soft cushion tires absorb bumps.

Ball Bearing Wheels — Chrome steel ball bearings are set in hardened steel races for easy motion.

Adjustable Chrome Handle — Handle adjusts to suit height of user. Can be folded forward to form a tray when used as a table.

Package Carrier — Shelf under seat. Handy for carrying packages when shopping.

Floating Ride — Soft, springy action of seat—the kind baby enjoys most. Cushioned for comfort.

Reliable Brake — Foot operated brake. Easy to operate. Stops chair instantly. Murray Go Round brake will not slip or jam. It may also be used as jump up bar for baby when used as a walker.

Snap On Tray — Tray is easily removed for cleaning. Secured by rubber pegged snaps that will not scratch furniture.

11 10 9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

model
G-III

MURRAY-GO-ROUND

Compare these SPECIFICATIONS

FRAME Tubular steel, enameled
FORKS Coaster type full bearing, non-shimmy
SEAT Reinforced wood, durable stain enamel
WHEELS Double steel disc 8" ball bearing
HUB CAPS Chrome plated steel
TIRES Jumbo Molded semi-pneumatic rubber
BUMPERS Flexible tube white rubber covered
HANDLE BAR Steel, chrome plated
HANDLE GRIPS White rubber
PLAY BEADS Wood, non-toxic color finish
PLAY PAN Steel, non-toxic acid resistant enamel
FOOT TRAY Steel, rubber padded mouldings
BRAKE Sure acting, easily operated
PUSH HANDLE Adjustable tubular steel, chrome plated
PACKAGE CARRIER Large capacity steel wire
FINISH Lustrous baked enamel
COLOR Bermuda Blue, Seat Gray
PACKING One per carton
SHIPPING WEIGHT Approximately 25 lbs.

IT'S THE *Profitable* NEW ITEM
IN THE *Popular* ACCEPTED LINE

Get Your SHARE OF SALES Now!

SYMBOL OF QUALITY

NEW

MURRAY OHIO

MURRAY-GO-ROUND

BABY WALKER

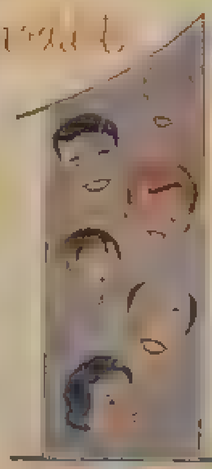
LOOK AT ALL THESE SALES FEATURES

The Murray-Go-Round baby walker is the newest addition to the highly popular Murray line of baby walkers. It has every new sales feature that we can put on it—everything but the kitchen sink. It's perfect—complete in every detail.

NOMA is always FIRST

st

with new



st

in

consumer

acceptance

st

with

the

help

25 to 1

st in Sales

—YEAR IN, YEAR OUT!

See you at the

Toy Fair

March 6 to 17. Be sure to see the new 1950 NOMA line — Exec Room, First Mezzanine, Hotel McAlpin.

NOMA

ELECTRIC CORPORATION, 55 W. 13th St., New York 11, N. Y.

Parris Dunn 1956 Gun Guns

New!
LEVER ACTION AIR PISTOL

18 inches long

$100 for a Name!

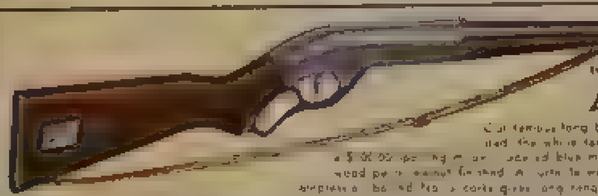
Come To Room 751
McAlpin Hotel

AND ENTER YOURS!

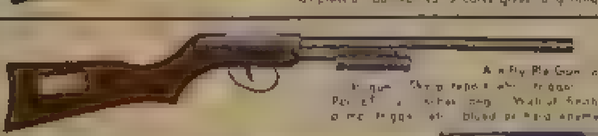
New!
No. 4 LEVER ACTION AIR GUN

No. 2 LEVER ACTION AIR RIFLE

No 11 "SHERIFF'S" AIR RIFLE



No 12 "SHOOT RITE" LEVER ACTION TARGET RIFLE



No. 1 DE LUXE "REPEATER"

COME TO PLA-GUN HEADQUARTERS

No. 5 "CLICKER" PLA-GUN

PARRIS DUNN CORPORATION CLARINDA, IOWA

IRWIN PRESENTS A STRIKING NEW TOY!

WALTZING

WALT DISNEY'S

CINDERELLA

AND PRINCE

A NEW PLASTIC MECHANICAL TOY . . . . . .
DRAMATICALLY DIFFERENT IN ACTION . . . . . .
CREATED IN GLEAMING PORCELAIN-LIKE PLASTIC

WATCH THEM WALTZ

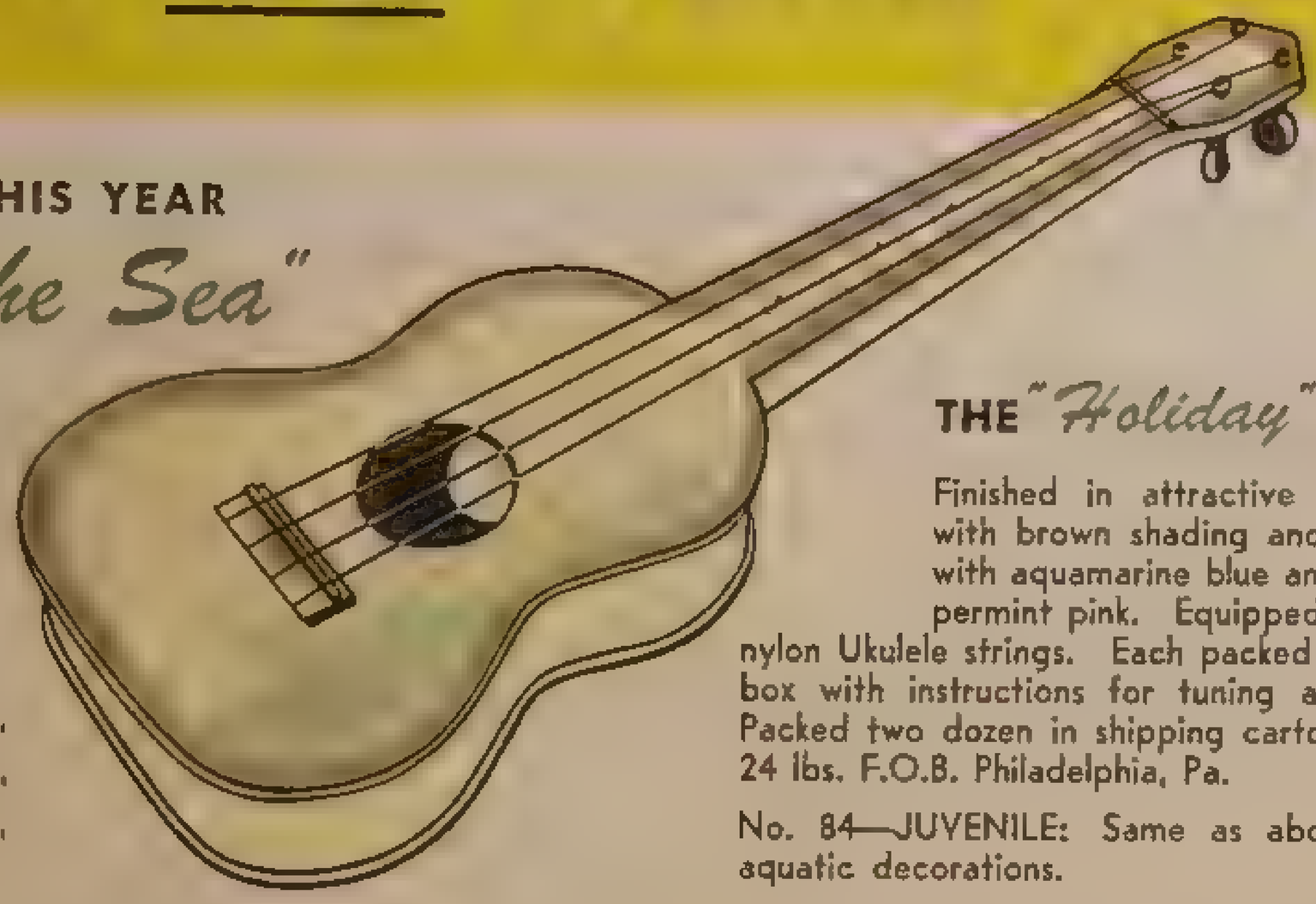
IRWIN CORPORATION · FITCHBURG, MASS.

SHOWROOM: 200 FIFTH AVE., NEW YORK 10, N. Y., ROOM 631

NOT JUST A TOY
BUT A REAL UKULELE!

NEW THIS YEAR

"By the Sea"



No. 85
LENGTH — 19"
DEPTH — 2¼"
WIDTH — 6½"

THE *"Holiday"* UKULELE

Finished in attractive ivory color with brown shading and decorated with aquamarine blue and cool peppermint pink. Equipped with latest nylon Ukulele strings. Each packed in separate box with instructions for tuning and playing. Packed two dozen in shipping carton — weight 24 lbs. F.O.B. Philadelphia, Pa.

No. 84—JUVENILE: Same as above without aquatic decorations.

The South Pacific

HAWAIIAN UKULELE

Finished in attractive brown color and decorated with two harmonizing colors as shown. Equipped with latest nylon Ukulele strings. Each packed in separate box with instructions for tuning and playing. Packed two dozen in shipping carton — weight 24 lbs. F.O.B. Philadelphia, Pa.

No. 80
LENGTH — 19"
DEPTH — 2¼"
WIDTH — 6½"

"On the Range"

COWBOY UKULELE

Finished in attractive green color and decorated with two harmonizing colors as shown. Equipped with latest nylon Ukulele strings. Each packed in separate box with instructions for tuning and playing. Packed two dozen in shipping carton — weight 24 lbs. F.O.B. Philadelphia, Pa.

No. 82
LENGTH — 19"
DEPTH — 2¼"
WIDTH — 6½"

BACKED BY YEARS OF EXPERIENCE IN MANUFACTURING MUSICAL INSTRUMENTS

Manufactured by JEFFERSON MANUFACTURING CO.

2433 NORTH ORIANNA STREET • PHILADELPHIA 33, PENNSYLVANIA

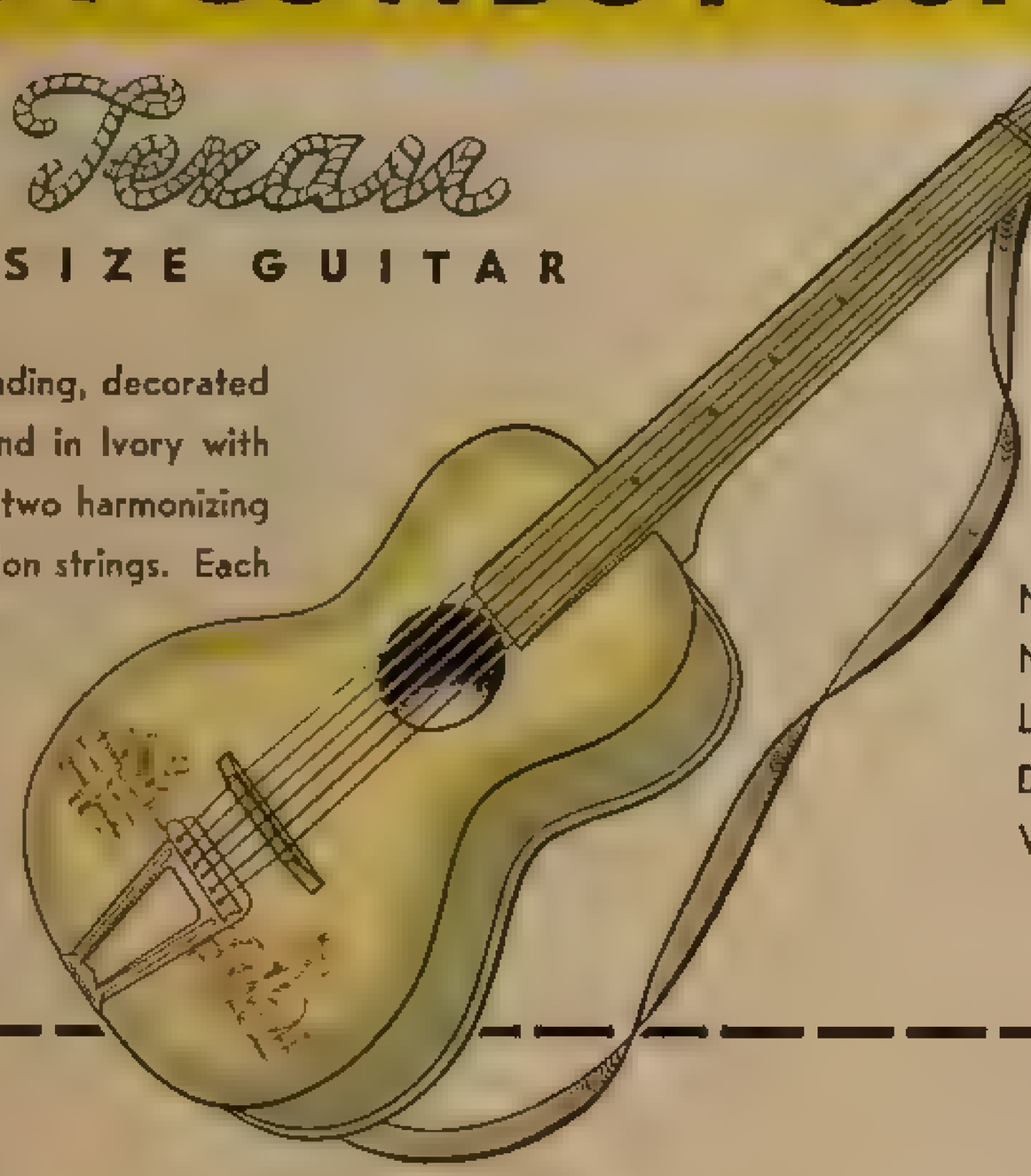
HOTEL NEW YORKER — ROOM 1171

NOW! A FULL SIZE REAL PLAYING TOY COWBOY GUITAR

The Texan

A FULL SIZE GUITAR

Finished in Ivory with Green shading, decorated with two harmonizing colors, and in Ivory with Brown shading, decorated with two harmonizing colors. Equipped with latest nylon strings. Each packed in separate shipping container with instructions for tuning and playing. Weight 4½ lbs. F.O.B. Philadelphia, Pa.



No. 95 — GREEN
No. 96 — BROWN
LENGTH — 35"
DEPTH — 3¾"
WIDTH — 12¾"

The Texan, Jr.

A JUNIOR SIZE GUITAR

Finished in Ivory with Green shading, decorated with two harmonizing colors, and in Ivory with Brown shading, decorated with two harmonizing colors. Equipped with latest nylon strings. Each packed in separate shipping container with instructions for tuning and playing. Weight 3½ lbs. F.O.B. Philadelphia, Pa.

No. 97—GREEN
No. 98—BROWN
LENGTH — 30"
DEPTH — 3¼"
WIDTH — 11"

BACKED BY YEARS OF EXPERIENCE IN MANUFACTURING MUSICAL INSTRUMENTS

Manufactured by JEFFERSON MANUFACTURING CO.

2433 NORTH ORIANNA STREET • PHILADELPHIA 33, PENNSYLVANIA

HOTEL NEW YORKER — ROOM 1171

JEFFERSON PHILADELPHIA

Better Little Books

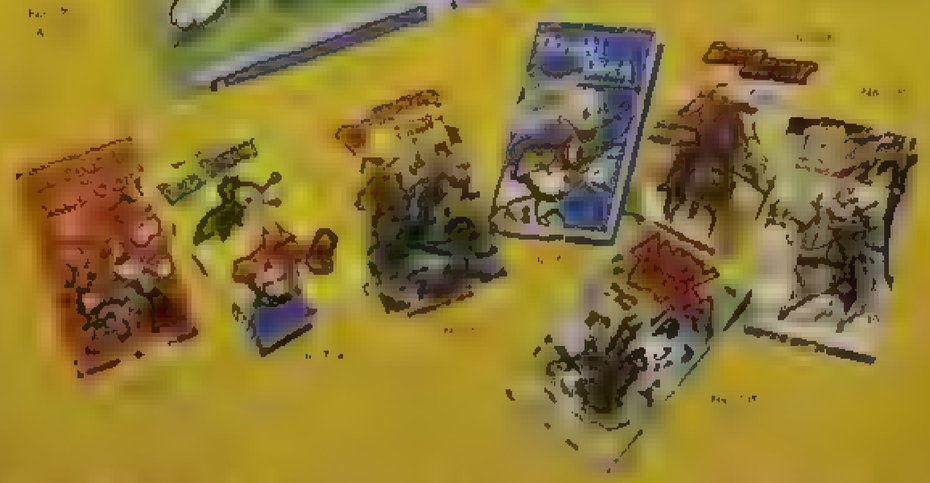
BACK AGAIN AT.. 10¢

Now Handy pocket size (3 x 4 5/8) with 192 page

Now Best selection with illustrations on every page!

Now Featured at 10¢ each and you still make a big profit

Who does not remember Better Little Books ... and the way they walked off counters at the mighty rhythm of dash eagers. Now they're back in a new shape with hard cover, in full color. Pocket size and fit in your pocket. Better buy Better Little Books now. New size ... new value ... new low price. Printed descriptive list ...



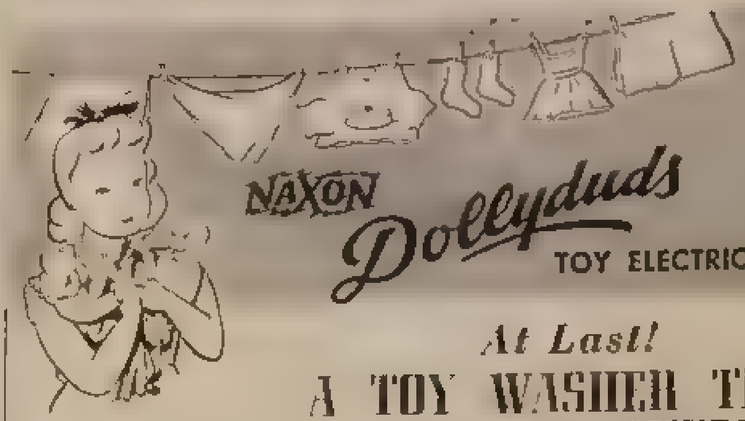
WHITMAN PUBLISHING CO. • RACINE, WIS.

Now Ready! 36 TITLES!

29¢

No need to tell you what an appetizing [illegible] ... every way that we can to demand your [illegible] ... your continued [illegible] ... If you order a large quantity [illegible] ... Each box [illegible] ... 300 to a [illegible]

WHITMAN PUBLISHING CO. • RACINE, WIS.



NAXON

Dollyduds

TOY ELECTRIC WASHER

At Last!

A TOY WASHER THAT *Really* WASHES!

AT THE PRICE

That Means VOLUME SALES $6.19 LIST

NOTE THESE QUALITY FEATURES:

- *Beautiful Appearance*
- *Capable Power Plant Will Never Burn Out*
- *Engineered for Safety*

PATENT NOTICE

See DOLLYDUDS *at the Toy Fair*

ROOM 538 • 200 FIFTH AVE

HOTEL McALPIN — ROOM 618

The Toy Market Representative

SALES REPRESENTATIVES

NAXON UTILITIES CORP., CHICAGO 15, ILL.

"Just Wait 'till You SEE OUR 1950 SHOWING"

at the *Toy Fair*

If you are p[illegible] the Toy Fair [illegible] see the p[illegible] [illegible] special stamp of A[illegible] T[illegible] [illegible] 432 5th Avenue [illegible] [illegible] [illegible]

THREE OF A KIND

They ALL have SALES appeal

A

IT'S NEW! IT'S EXCITING!
IT'S COLORFUL! IT'S BIG!
7 BRIGHT COLORS AND SILVER.
ENDLESS HOURS OF FUN AND COMPETITION

FOR BOTH
YOUNG AND ADULTS!
POPULARLY PRICED! GOOD PROFIT!
AN IMPULSE SALE PRODUCT!

HI-SCORE

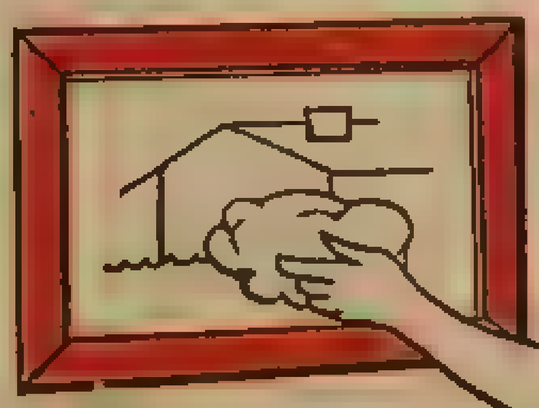
U. S. Rep. App. for

MARBLE GAME

1 Doz Packing — 24 lbs.

A

DRAW PICTURES WITH COLORED CRAYONS . . . NOT JUST BLACK AND WHITE!
WIPES OFF EASILY WITH CLOTH OR TISSUE!



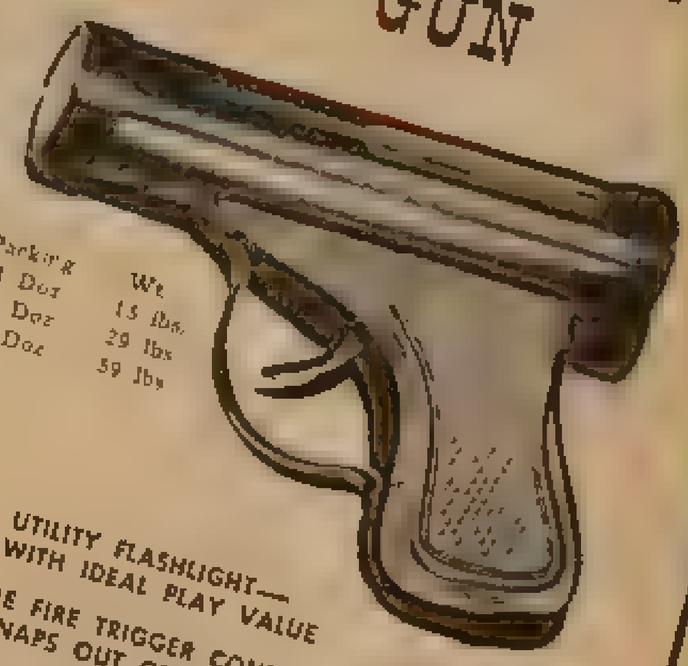
NO END OF FUN FOR EVERYONE!
SELLS ON SIGHT
BIG PROFIT . . . PRICED RIGHT!
. . . QUICK TURNOVER!

WHITE BLAC-BOARD

Packing	Wt
3 Doz	26 lbs
6 Doz	50 lbs.

A

FLASH-LITE GUN



Packing	Wt
3 Doz	15 lbs.
6 Doz	29 lbs
12 Doz	59 lbs

A UTILITY FLASHLIGHT—WITH IDEAL PLAY VALUE
SURE FIRE TRIGGER CONTACT—SNAPS OUT ON RELEASE
CHROME-FINISHED THROUGHOUT—WON'T CHIP—WON'T RUST
LONG USEFUL LIFE—2 HEAVY DUTY BATTERIES
POWERFUL SPOT-LIGHT—SCIENTIFICALLY DESIGNED REFLECTOR
A MUST WITH SUMMER CAMPERS

A

ALL THREE PRICED RIGHT—
SELL-ON-SIGHT

Write, wire or phone for additional information on above products.

NATIONAL METAL PRODUCTS
1816 Boston Road, Bronx, New York
Represented by DAVID H. FABER Room 532 • 200 Fifth Ave., New York, N. Y.

It looks real ... it feels real ... it smokes like a real gun and now it shoots caps, too!

Designed by the makers of the popular .45 Smoker — this pistol not only looks and feels real, but emits a puff of harmless smoke every time the trigger is pulled. It uses a standard roll of caps, too! The kids in your town will rush to get the Frontier Smoker. Also available without cap action.

PRODUCT ENGINEERING COMPANY

4707 S. E. 17th Ave. — Portland 2, Oregon

National Sales Manager

A. F. FRENCH — 134 West 44th Street — Minneapolis, Minn.

Representatives

RICHARD B. GAROUTTE
[illegible] West [illegible] Ave.
[illegible], Minn.

•

FRED A. WIEBE CO.
[illegible] N. 12th St.
St. [illegible], Mo.

•

ROY J. KERSEY
[illegible]
[illegible], Pa.

•

BEN G. THIGPEN
[illegible]
Dallas, Texas

•

MILLER AND STOWERS
[illegible]
[illegible]

•

BAXTER SALES CO.
4[illegible] Bostwick Avenue
[illegible] Hollywood, Calif.

•

ATLANTA TOY MART, INC.
[illegible]
[illegible]

•

NORTH COAST SALES CO.
[illegible]
[illegible]

See the
FRONTIER SMOKER
at the
TOY FAIR
Room 1028
Hotel New Yorker

Warehouses Located at Key Distribution Points for Fast Service

An extra feature on the FRONTIER SMOKER cap pistol...

IT SMOKES LIKE A REAL GUN!

FRONTIER SMOKER looks real . . . feels real . . . has a realistic action!

It not only looks and feels real every time the trigger is pulled it ejects a puff of smoke, just like a real gun And it uses a standard 50 shot roll of caps too!

APPEARANCE

- Bright plated finish with realistic inserted grip
- Extremely attractive display box printed in four colors

DURABILITY

- Made of rugged Zamak
- Gun and insert handles practically unbreakable
- Provision for carrying

ACTION

- It smokes smoke for a 50 shots turn shed
- It shoots standard action caps
- Exclusive loading mechanism
- Sure fire action
- Stainless steel spring

REPEAT BUSINESS

- Sell extra smoke rolls Extra fine grain smoke powder refills contains smoke for two shells They make easy repeat business

Manufactured by

PRODUCT ENGINEERING COMPANY

4707 S. E. 17th AVENUE PORTLAND 2, OREGON

There is Nothing Like...

at - play toys

For Easter!

Just wait until you see the new and exciting 1951 creations at Wm. A. Rushton and you'll agree there's nothing to compare with this season's showing of At Play-Toys. Each is individually designed and brilliantly coloured in the most original fashion. There are Easter Rabbits in all sizes and color combinations, comics, checkers, dolly tucks and games. Other soft cuddly novelty toys that you can't help but love to snuggle up to.

You'll simply have to see these at stardom toy values! Appreciate that you could select a great Assortment when you're here next!

ATLANTA PLAYTHINGS CO.

•

THE RUSHTON CO.

578 Bonkhead Avenue, N. W. Atlanta, Georgia

SALES OFFICES

CHICAGO
1412 Merchandise Mart

NEW YORK
432-200 Fifth Avenue

LOS ANGELES
856 S. Los Angeles Street

SLINKY Sells Itself!
HERE'S WHY: Kids and grown-ups alike buy the walking spring on impulse. It catches the eye, arouses the curiosity, satisfies a whim for a toy that's different. At $1.00 retail, it's an ideal gift for children of all ages.
HERE'S HOW: No demonstration needed, if you let the animated counter and window display do the work for you. Each box carries the Parents' Commendation Seal to help speed sales. Slinky ads in Parents Magazine (for grown-ups) and comic books (for kids) build demand.
Cash in on Christmas Demand. ORDER TODAY!
For prices, and information on the motorized display, contact your nearest representative, or write direct
Ask About Slink'Em
. . . the fascinating game played with junior-size Slinkys. $1.49 retail
SLINK'EM
JAMES INDUSTRIES, INC.
CLIFTON HEIGHTS, PENNA.
REPRESENTATIVES: West: J. T. Sooke, 981 Western Mdse. Mart, San Francisco 3 • Mountain: W. E. Bergstrom Sales Co., Exchange Bldg., Denver • Midwest: Walter & Arthur Kranzler, 209 S. State St., Chicago • East: H. Goeckler Associates, 155 E. 44th St., New York • Townsend Price & Co., 329 Walnut St. Phila. 6 • South: Wm. A. Yarborough, 84 Tenth St. N.W., Atlanta • New England: Robert Burns, 47 Bristol St., Boston.
COMMENDED PARENTS MAGAZINE
Slinky

A REAL MUSIC BOX!—
IT PLAYS A COMPLETE TUNE!
MONKEY TURNS!
WHEELS TURN!
COLORFUL PLASTIC!
GURDY
Sensational new musical toy—actually plays a complete tune!
GURDY
Everyone will want to play "organ grinder"—hottest item since Elmer was a pup! 6½" high; gaily boxed.
$1.69 Suggested retail
Write for Catalog
KNICKERBOCKER PLASTIC CO., INC.
Look! BOZO THE CAPITOL RECORD CLOWN
He pops up and squeals!
69c Suggested retail
BOZO is a Jack-in-the-box! Press down the drum—up pops Bozo with a life-like squeal! Hand-painted features; 4¼" high; terrific!

Sayco Babies

SAYCO DOLLS

Can't Be Beat In '50!

Visit Our Toy Fair Display

ROOMS 814-815 — HOTEL NEW YORKER

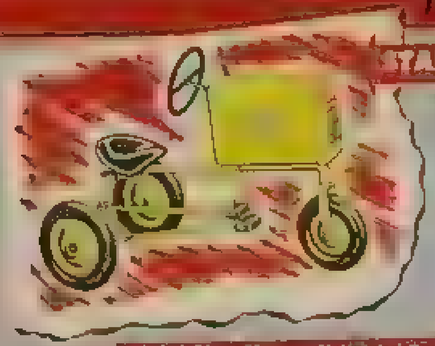
Sayco Doll Corporation

FACTORY
9-11 DESBROSSES ST.
NEW YORK 13, N. Y.

SHOWROOM AFTER APRIL 1ST
1407 BROADWAY
NEW YORK

Castelli ... DURABLE WHEEL GOODS

IMPROVED ROAD TESTED MODELS



STANDARD TRACTOR (600)

The 1950 models are entirely re-engineered for longer life and trouble-free operation. They represent a tremendous improvement over the exceptionally popular pilot models built for the first time last year. Easily operated by three year olds

Colors — Yellow or Red

Packed — Knocked-down in one carton
Shipping weight—24 lbs
L—37", W—19", H—26

TRAILER & DERRICK ATTACHMENTS

Both attachments can be used on Standard or Super Models. Provide hours of added enjoyment for youthful operators

(603)	(602)
Colors — Red or Yellow	**Color** Black
Packed — Set up, handle and wheels disassembled	**Packed** - KD in carton
Weight—14 lbs	Weight—3½ lbs.
L 35" W—16" H—9	L—22", W—6", H—18"

SUPER TRACTOR (601)

Powerful chain drive with 2 to 1 gear ratio. Suits the taste of older boys of five and six. Features many important design improvements, same construction as Standard Model 600

Colors — Yellow or Red

Packed — Knocked-down in one carton
Shipping weight—27 lbs.
L—37", W—19", H—26"

BRAND NEW! ... FOR JUNIOR FIRE CHIEFS

FIRECYCLE (605 Rear Steer)

The boy who likes to play firemen will be in his glory with this easy-to-operate Firecycle. Sturdy and colorful—loads of play value.

Packed - Knocked-down in carton.
Shipping weight—28 lbs.
L- 42", W—19", H—28"

FIRECYCLE (605 Chain Drive)

A real chain-drive hook and ladder, for another would-be fire fighter. Wood ladders—semi-pneumatic tires.

Packed—Knocked-down in carton.
Shipping weight—31 lbs.
L- 42", W—19", H—28".

Castelli's NEW ROCK 'N SWING

ROCK 'N SWING (300)

In answering America's demand for a better swing, Castelli has designed the new 300 so that it requires only four screws for assembly. The rocker comes completely set up can be easily detached for separate use
Finished in durable, colorful baked enamel

Colors — Red & Ivory, Green & Ivory

Packed — One carton and one tube
Shipping weight—15 lbs.

H—50", W—38", L—28".

ROCKER (101)

New non-tip construction — safe for the smallest child.
H—20", W—13", L—18". Packed KD, 5 lbs. packed

KIDDIE GLIDER (401)

A leader in year-round sales, the Kiddie Glider is a wonderful entertainer for younger children. Sturdy semi-tubular steel construction — all-weather finish

Colors Red & Ivory, Green & Ivory

Packed Semi-set up in one carton. Carton weight—23 lbs

H 24" W 18 L 53"

GLIDER CHAIR (421)

All-steel, smartly designed. Ideal for indoor and outdoor use. Strongly built to give youngsters many hours of healthy fun

Colors — Red & Ivory, Green & Ivory

Packed — Knocked-down complete in one carton
Carton shipping weight—9 lbs. H—21", D—11½", W—12½".

SPIN 'N RIDE (701)

An all-steel combination See-Saw and Spinner. Provides hours of wholesome entertainment. Suitable for playroom or outdoor use

Colors — Red & Ivory

Packed — Knocked-down complete in one carton.
Carton shipping weight—24 lbs.

H—20", W—21", L—70".

TABLE & CHAIR SET (252)

All children love furniture of their own, and these colorful sets by Castelli catch the eye of both toddlers and parents . . . a perennial favorite

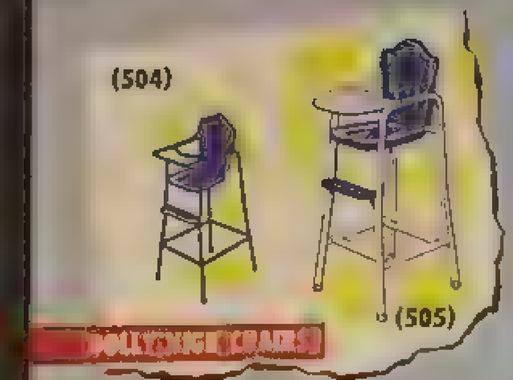
Colors — Red & Ivory, Green & Ivory

Table — H—17", W—20", L—20".
Chairs — H—20", W—13", L—18".

Packed - Knocked down complete in one carton
Weight 17 lbs packed

CHAIR (201)

Same construction and specifications as 101 body contour back and seat for added comfort. Particularly suitable for small children.



DOLLY HIGH CHAIRS

Ca rriet Dolly High ... now in two popular sizes ... and built better than ever

Colors B ... & ivory

No. 504 H 32 ... W 8 D 8 ...

Packed Set up, one in 200-lb test carton

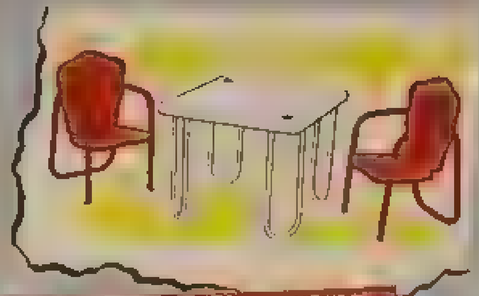
Shipping weight 2 ... lbs

No. 505 H 29 ... W 15 D 4

Packed Knocked down, one in 200-lb test carton

Shipping weigh ... 6 ... lbs

No 505C Same as No 505 with chrome tray and sides



DOLLY TABLE & CHAIR SET (503)

Another Castelli first ... this Dolly Table & Chair Set will certainly make many doll families considerably happier this year. A metal construction finished in baked enamel.

Colors Red & Ivory
Table H 8" W 12 D 12
Chairs H 7 W 6 ... D 7 ...

Packed Completely set up in one carton

Shipping weight ... lbs

Castelli
ALL METAL
DOLL TOYS
NEW IDEAS AND NEW SALES APPEAL FOR LONG TIME FAVORITES

DOLLY CRIBS

A really new idea in Dolly Cribs. Colorful, sturdy with spring and mattress complete in one carton. No hidden extras to buy ... and there's no hardware required for the assembly which is accomplished by a new exclusive* method.
* Patent Applied For.

Mattress is colorful plastic covered, cotton filled.

501 Small Crib.
Colors Blue & Ivory
H 12¼" W 12 ... L 19 ...
Packed KD in one carton.
Shipping weight 6 lbs.

502 Large Crib
Colors Blue & Ivory
H 14½ W 15 ... L 21½
Packed KD in one carton
Shipping Weight—7 lbs

DOLLY ROCK-R-SWING (507)

A replica in miniature for youngster's dolly of the original and world famous Castelli Rock-R-Swing for juveniles. Uprights held securely in place in header ... no dropping out. Collapsible to occupy little space when not in use. Chair may be detached. Chain suspension.

H 24 W 18", L 18"

Packed — Header, chain and completely assembled chair in individual box. Set of 4 uprights in paper tube. 12 to carton.

Carton shipping weight Approximately 47 lbs.

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METAL TOYS

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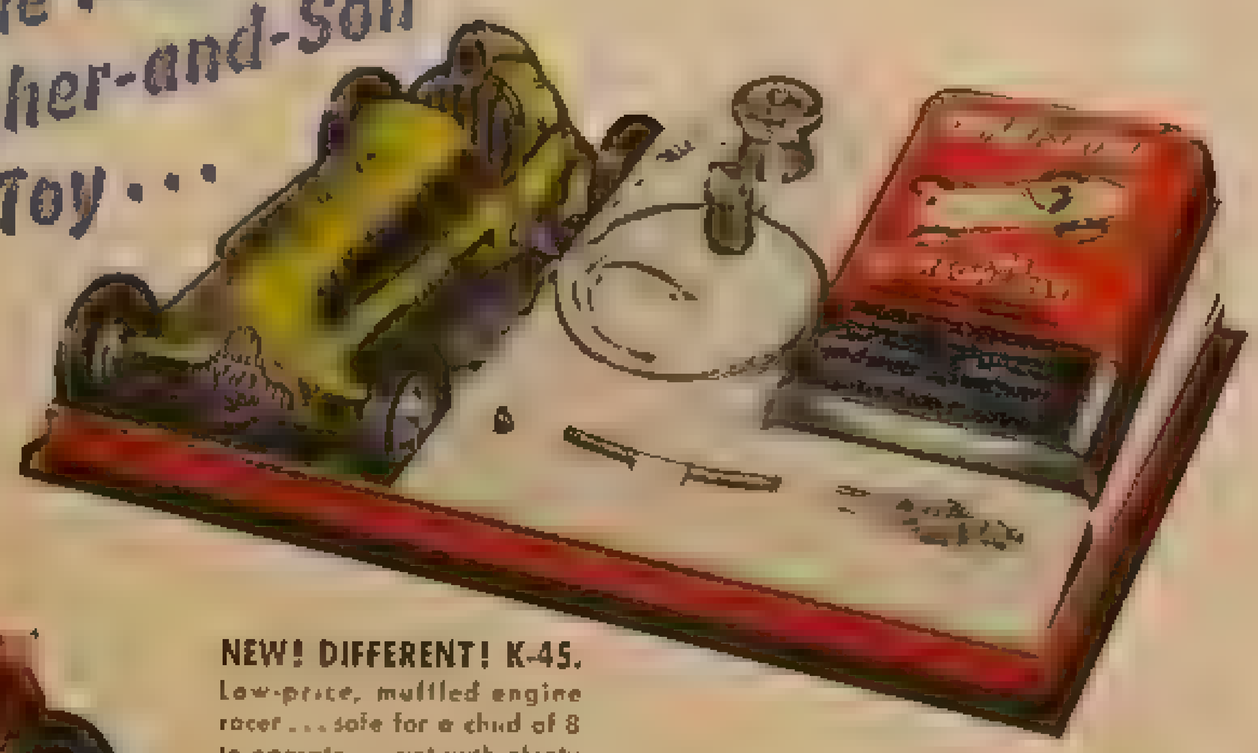
THIMBLE-DROME

WORLD | FAMOUS
MINIATURE RACING CARS

The Perfect Father-and-Son Toy . . .



S-45. Crawls at 6 m.p.h. or whirls around at 30 with the thrills of 60. SAFE fast fun for all the family. Runs forward or backward. Muffler, lever controlled. **$12.95**

NEW! DIFFERENT! K-45. Low-price, muffled engine racer . . . safe for a child of 8 to operate . . . yet with plenty of racer thrills. Gift package with operating paraphernal a *Just* **$15.45**

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Since introducing the remarkable O-45 Special Series last December, L. M. Cox Manufacturing Co. has been turning out more engine-equipped toy racers than the combined total of all other manufacturers in the entire world. Why? because here is a toy car equipped with a fine piece of machinery, yet it is in every sense a true toy for young and old . . . from 8 years up. Get in on this rapidly expanding NEW TOY FIELD with THIMBLE-DROME engine-equipped toys. Send for the 1950 folder today.

NEW REDUCED PRICES—ALL CARS DIE-CAST FOR DURABILITY AND DETAIL—BEAUTIFULLY FINISHED IN GLOSSY-SMOOTH BAKED ON ENAMEL—DESIGNED AND PACKAGED TO GRACE ANY TOY COUNTER

K-09. Beautiful gift package with Champion racer and all operating paraphernalia. Age group 10 years up.

Chrome-Plated	Baked Enamel
$22.95	**$19.50**

303-C. Champion Tether Model. Almost half a million sold at $3.95. Now **$3.49**

303-CP-09. Sparkling chrome finish available in all 303 Series models **$19.45**

. . . THE MARKET HAS ALWAYS BEEN THERE—BUT THE PRODUCT HAS NOT

Each class of mechanical toys has its [illegible]. The O-45 Special cars take [illegible] age-neglected group with

- **QUIET OPERATION**—that opens [illegible] the tremendous city neighbor[illegible] MARKET
- **AN ENGINE-EQUIPPED TOY** [illegible]
- **SAFE TOP SPEEDS** [illegible]
- **A FACTORY GUARANTEE** and service policy insuring low cost operation without involving [illegible] owner or wholesaler

L. M. COX MFG. CO.

730 POINSETTIA ST., SANTA ANA, CALIF.

WORLD'S LARGEST MANUFACTURER OF ENGINE-EQUIPPED TOYS

512

TOYS DO IT AGAIN!!

NOW! In startling
PLAS-CO-PRINT color!

"Alice In Wonderland"

TEA-TIME* SETS

Nothing like it! Alice in Wonderland characters printed on all Tea-Time pieces in bright colors! Assorted sets! All attractively boxed!

Brand new line!

"LITTLE BELLE" JUNIOR TEA SETS

Never before a junior tea set so completely distinctive in design . . . so pleasingly colored in assorted pastels . . . so long wearing under the hardest treatment! Set consists of: cup and saucer, sugar, creamer, place and utensils.

In two-tone plastic!

"SIP-'N-SNACK" REFRESHMENT SET

The newest idea in juvenile stemware! Beautifully designed in sparkling crystal plastic with smart red base!

A PLASCO-TOY

See the complete PLASCO line at the March Toy Fair March 6 thru 17, Hotel New Yorker, Rooms 6[illegible]

N. Y. SHOW ROOMS,
EMPIRE STATE BLDG.

OF AMERICA, CARLSTADT, N. J.

31

See...

TRU-LIFE RUBBER TOYS

Ready Now!

"WET and WHISTLE BABY"

More
EXCLUSIVE
Traffic
Stoppers
BEST
SELLERS

that set

A NEW HIGH
in
Sales Appeal
and
VALUE!

"NAPPY SLEEPING PAJAMA BABY"

AT THE TOY FAIR
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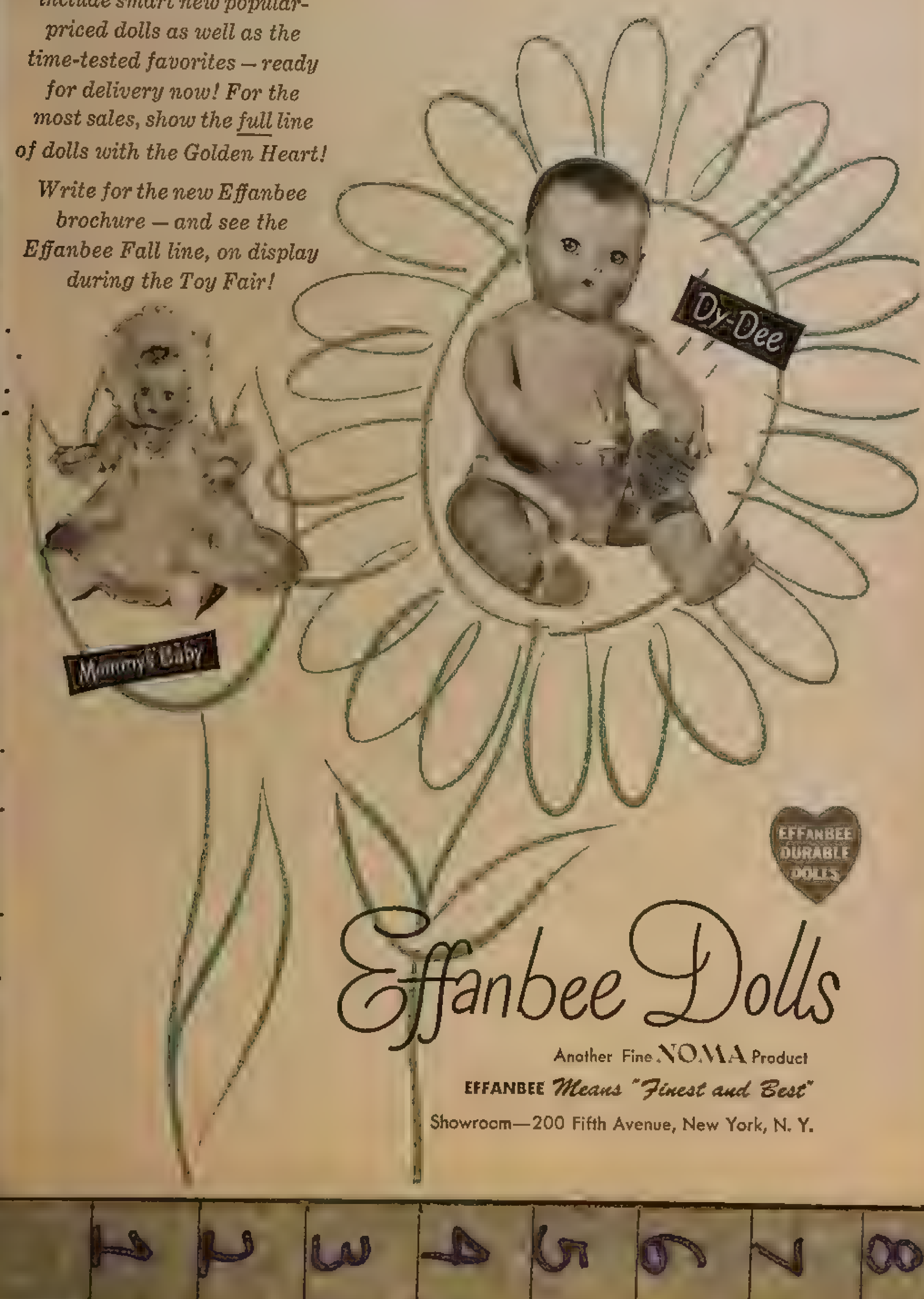
9 DESBROSSES ST. NEW YORK, N. Y.

[redacted]

33

Famous Effanbee dolls now include smart new popular-priced dolls as well as the time-tested favorites — ready for delivery now! For the most sales, show the full line of dolls with the Golden Heart!

Write for the new Effanbee brochure — and see the Effanbee Fall line, on display during the Toy Fair!



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Another Fine NOMA Product

EFFANBEE *Means "Finest and Best"*

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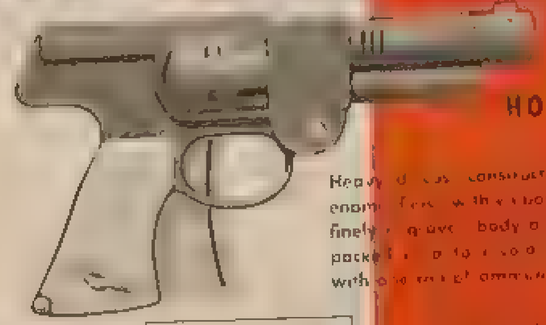
Authentic Western

CODY COLT



AUTOMATIC FLAMELESS

PAPER BUSTER GUN

CATALOG No. 53

Packed in the

4 COLOR

HOLSTER PACKAGE

Heavy [illegible] construction gun metal looked [illegible] with the most advanced [illegible] and finely [illegible] body and barrel. Individually packed [illegible] holster box complete with [illegible]

$1 RETAIL PRICE

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RADIT ONALLY AMERICAN

The Sensational

BIG SHOT

HARMLESS PAPER BUSTER FIRECRACKER

CATALOG No. 55

ABSOLUTELY NEW!

A [illegible] firecracker that can [illegible] safely in the hand

For [illegible] sports and can be shot [illegible]

A [illegible] for hours of fun

Another [illegible] for Fourth of July

IT'S BIG BODY SIZE [illegible]

59¢ RETAIL PRICE

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THE NEW IMPROVED

Roy Rogers' Riders

SIGNAL GUN

CATALOG No. 52

WHITE [illegible]

[illegible]

BLINKING COLT

FLASH [illegible]

NR BEAM

RYO DANGER

Ammo [illegible]

Cross-A-Fire

Sends SIGNAL MESSAGES

with POWERFUL LIGHT BEAMS and SOUND

$1 RETAIL PRICE

LANGSON MFG. CO., 4200 W. Wrightwood • Chicago 39, Ill.

SUPER NU-MATIC

HARMLESS

AUTOMATIC

LOUD REPORT

CONSTRUCTED OF HEAVY DIE-CAST METAL, FINISHED IN TWO TONE GUN METAL BAKED ENAMEL FINISH

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Paper Buster Gun

CATALOG No. 52

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When in Britain, travel as the British do!

YOU'LL find it part of the fun of your visit... learning to call the railroads "railways," the cars "carriages." And you'll enjoy riding in comfortable "compartments."

But even more, you'll be delighted with the *low cost* of traveling, sleeping, dining on British Railways. Imagine a full-course dinner ..one that leaves you feeling blissful ...for only $1.50!

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  Minimum 7 days. Discounts up to 10% on longer periods.
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  Up to 1,100 miles* of rail travel in Great Britain & Ireland for only $30.00
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  *Less than 1,100 miles if used for successive short trips in Britain, steamer journeys, or rail journeys in Ireland.
  Extra Coupons are exchangeable for steamers, Pullmans, etc.
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Manufacturers of automobile bodies, frames, wheel assemblies and brakes
Builders of stainless steel trains and highway trailers.
Advanced engineering and research. A United States Defense resource.

BUDD RDC CUTS A GORDIAN KNOT

New England's Boston and Maine Railroad had a more-than-usually difficult commuter problem.

Morning trains funneled into North Station, Boston, from Fitchburg, from Lowell, from Haverhill and Portsmouth and Gloucester. And then following trains bottled them in.

Everything would finally get turned around in time for the evening's outbound stampede. But meantime the railroad was glutted with idle equipment.

Budd's rail diesel car—RDC—has made it possible to change all that. This air-conditioned, stainless steel car propels itself in either direction, merely by having the engineman take his control handles from one end of the car to the other. It can, and does, go into North Station and out again in five minutes.

During periods of light traffic RDCs operate individually. As traffic builds up, trains of RDCs can be assembled. Any number. All controlled by one man.

The Boston and Maine now operates the world's largest fleet of RDCs—64 in all. And it keeps them busy. The cars average eleven runs a day. They have replaced 67 locomotives and 245 coaches, to give New England rail service such as it never enjoyed before. Yes—the word is enjoyed.

Budd

Philadelphia Detroit Gary

RDC—Car with a Future for Canada's Future

The Canadian Pacific—world's greatest travel system—has just bought four Budd stainless steel RDCs. (The letters RDC stand for Rail Diesel Car.)

The cars were bought because of their proved ability to reduce costs, improve service and attract traffic. But also with an eye to Canada's growth, which presages an increase in the need for transportation as Canada's vast mineral, oil and natural resources are developed.

Operating experience with RDC usually reveals potentialities not originally envisioned. Nobody has yet found their limit, though RDC is now operating in a searching range of services in Australia, Cuba and Saudi Arabia, as well as on our own country's leading railroads. The Budd Company, Philadelphia, Detroit, Gary.

Automobile and Truck Bodies and Wheels, Railway Passenger Cars and Plows

Budd

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GREAT DOMES ON THE GREAT NORTHERN

The Great Northern Railway is an engineering masterpiece blessed by some of the most wonderful scenery in America.

Its Empire Builder glides past towering Rocky Mountains in Glacier National Park . . . along jade rivers and white-capped Puget Sound . . . through the forested Cascades . . . on its super-scenic trail between Chicago, St. Paul-Minneapolis, Spokane, Seattle and Portland.

Here are sights to thrill you, watching through the enormous curved windows of the new stainless steel dome cars, built by Budd, which now distinguish the Great Northern's Empire Builder.

The Great Northern, in company with many other railroads, has made every imaginative provision to make your trip by train the most restful, the most stimulating way to travel . . . the safest and most certain way to reach your destination . . . sprinkled all over with enjoyment.

To provide this feast of travel perfection, railroads call on Budd.

Philadelphia Detroit Gary

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Trucks, Highway Trailers
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Budd

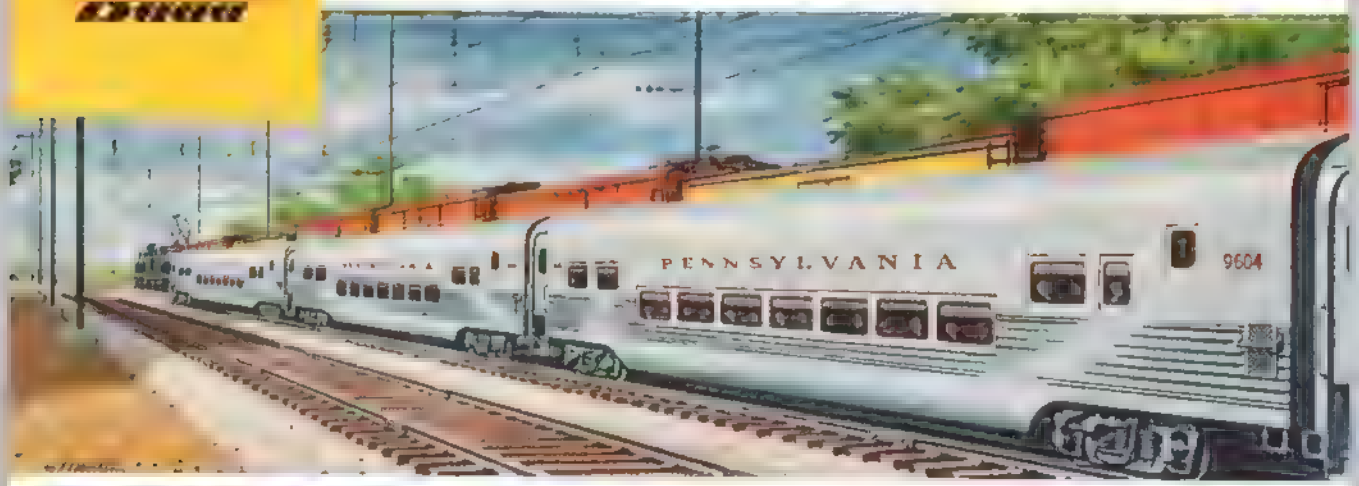
CUSTOM-MADE TRAINS

■ Here are three completely different trains. The Pennsylvania's low-slung, lightweight tubular train. The New Haven's new train, in which every car propels itself. The Santa Fe's Hi-Level cars in the new El Capitan. All go in service this year.

Common to all of them, however, is the strength and safety of their stainless steel construction, found in all railway cars built by Budd.

Each has been built to meet a special need. For the Pennsylvania, lighter weight. For the New Haven, faster schedules . . . speeds up to 110 miles an hour. For the Santa Fe, to provide a better view with better riding comfort and transport more passengers with fewer cars. They demonstrate the ability of Budd to envision needs and apply imaginative engineering to meeting them.

The Budd Company, Philadelphia 32.



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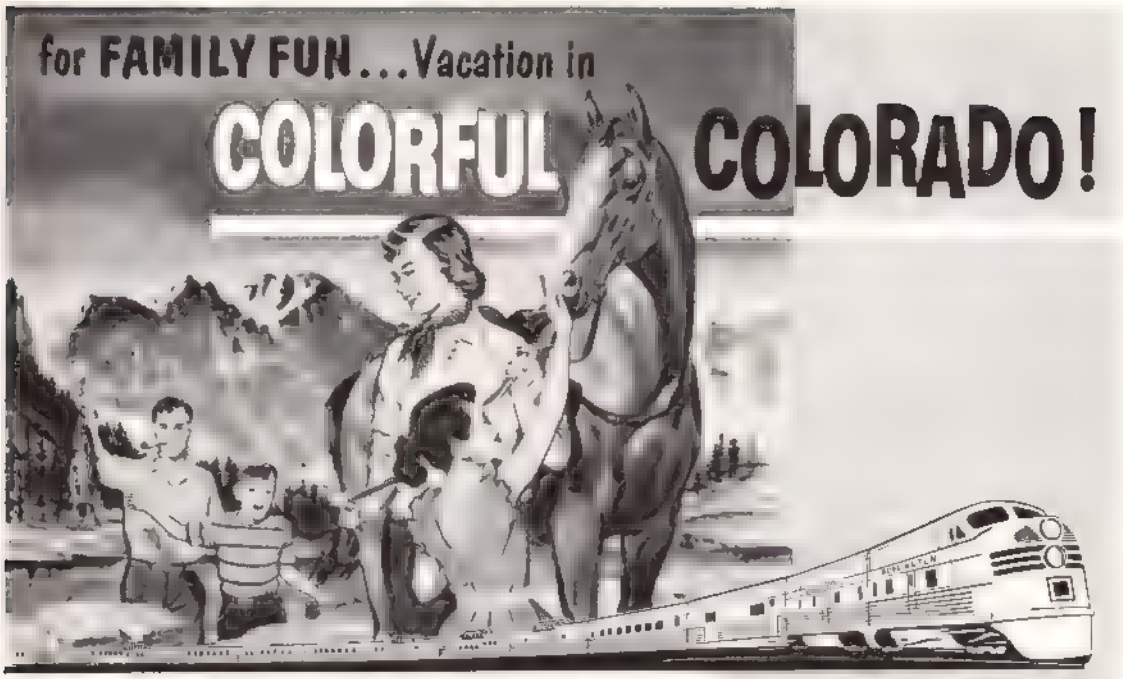

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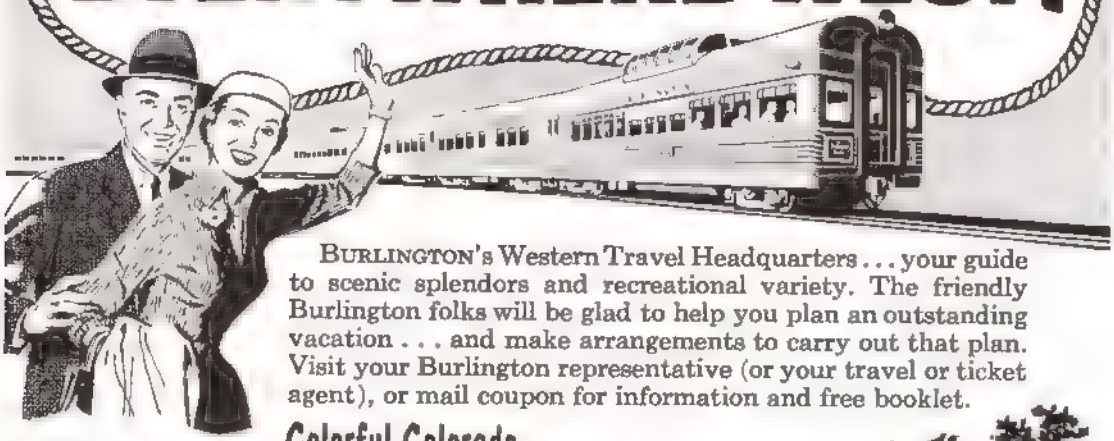
EVERYWHERE WEST!



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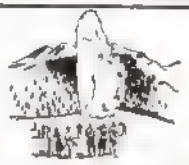
The Pacific Northwest

The Evergreen Empire . . . reached by the *North Coast Limited* and the *Empire Builder* (both with domes).



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Geysers, boiling pools, waterfalls, mountains and wild-life. Go Burlington . . . via the Cody Road!

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Real Western Fun on real Western ranches in Colorado, Wyoming, Montana. You'll have a wonderful time on a Dude Ranch!

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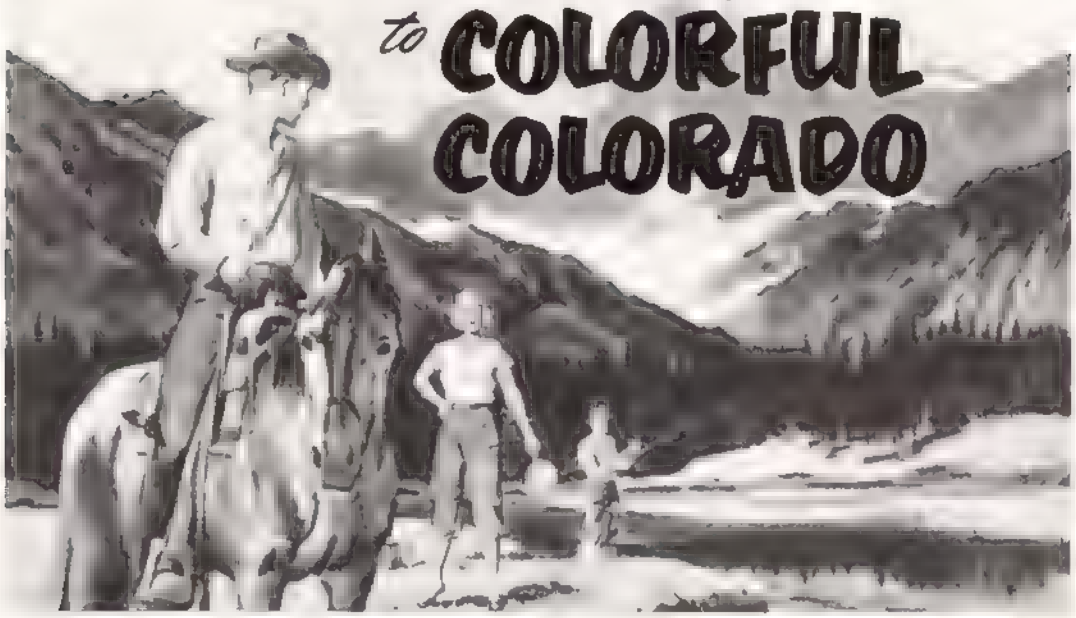

Ride, hike, explore, swim, fish, golf, sightsee, or just loaf . . . you'll find the vacation you want in this snow-capped mountain empire. You can revel in the luxury of world-famed mountain resorts or join real cowboys on a dude ranch in a secluded valley. Colorado promises you the vacation of a lifetime and keeps its promise!

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Way of Zephyrs

Burlington Route

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Canadian National makes RECORD PURCHASE of new passenger equipment!

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Canadian National's famous fresh-caught lake trout taste even *more* delicious when served aboard the beautiful new dining cars. Enjoy the restful decor and soft lighting.

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Noteworthy features of the new sleeping car bedrooms are the wide beds, bigger windows and individual controls for heating, air-conditioning and lighting.

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3. **Provinces-by-the-Sea**
4. **Eastern Cities** and the **Laurentians**
5. **Sub-Arctic Hudson Bay Tour**
6. **Romantic French Canada**
7. **Minaki** (Lake of the Woods)
8. **Highlands of Ontario**
9. **British Columbia** "Triangle Tour"
10. **Jasper** in the Canadian Rockies

Ask about Canada's Top Maple Leaf Vacations or let CANADIAN NATIONAL package a tour for you to include side trips, stopovers, visits with friends.

Canadian National offices in principal U. S. cities. In Canada, Passenger Department, 360 McGill St., Montreal. Or see your Travel Agent.

Lovely Maligne Lake in Jasper Park. Showplace of the Canadian Rockies.

CNR's modern compartments provide the utmost in comfort and convenience.

Enjoy one of Canadian National's 10 TOP Maple Leaf Vacations

Excellent food and service make every meal a treat in CNR's handsome new diners.

Sail the scenic, sheltered West Coast on an unforgettable cruise to Alaska.

Canadian National Railways offers you a vacation choice as wide as the continent! CNR's famous "Ten Top" present the top attractions in sights to see and things to do all across Canada. And for your added holiday pleasure, Canadian National's superb new passenger cars now provide unexcelled accommodations to *everywhere* in Canada!

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10 VACATION CHOICES!

1. The Scenic Route Across Canada.
2. Alaska Cruise via the Inside Passage.
3. British Columbia "Triangle Tour".
4. Jasper in the Canadian Rockies.
5. Sub-Arctic Hudson Bay Tour.
6. Lake-of-the-Woods District (Minaki, Ont.)
7. Highlands of Ontario.
8. Eastern Cities and the Laurentians.
9. Romantic French Canada.
10. Provinces-by-the-Sea.

Choose the vacation to fit *your* budget. Canadian National will package a personal tour to include desired stopovers and side trips. Ask about money-saving Family Plan Fares. Canadian National Offices in principal U. S. cities. Or see your Travel Agent. Canadian National Railways, 105 West Adams St., Chicago 3, Ill.

There's fishing and fun, relaxed resort life in Minaki's cool woodlands.

Reclining seats in brand-new coaches, easy-riding, easy on the pocketbook.

Explore picturesque fishing villages of French Canada's Gaspé Peninsula.

Mt. Robson, highest in the Canadian Rockies, marks CNR's Scenic Route.

Colorful events echo the traditions of Canada's Provinces-by-the-Sea.

See Ottawa, the Capital, Montreal, Toronto, Niagara Falls, Halifax.

Lovely Moraine Lake in Jasper Park, Showplace of the Canadian Rockies.

CNR's modern compartments provide the utmost in comfort and convenience

CNR Dinettes offer budget-priced meals; service is continuous all day.

Mountains for a back-drop for busy —and beautiful—Vancouver harbor.

Enjoy one of Canadian National's 10 TOP Maple Leaf Vacations

Now you will find them more attractive than ever, with Canadian National's new passenger cars to carry you in modern comfort all the way. *Wherever you go in Canada*, you'll enjoy the widest range of train travel accommodations, the utmost in gracious travel-living. And for de luxe travel *across Canada*, choose Canadian National's all-new SUPER CONTINENTAL with fastest-ever schedules both east and west. This is *the* year for your Canadian National Maple Leaf vacation!

CANADIAN NATIONAL RAILWAYS

Canada

THE ONLY RAILWAY SERVING ALL 10 PROVINCES OF CANADA

10 VACATION CHOICES!

1. The Scenic Route Across Canada.
2. **Alaska Cruise** via the Inside Passage.
3. **British Columbia** "Triangle Tour".
4. **Jasper** in the Canadian Rockies.
5. Sub-Arctic **Hudson Bay** Tour.
6. Lake-of-the-Woods District (Minaki, Ont.)
7. **Highlands of Ontario.**
8. **Eastern Cities** and the **Laurentians.**
9. **Romantic French Canada.**
10. **Provinces-by-the-Sea.**

Choose the vacation to fit *your* budget. Canadian National will package a personal tour to include desired stopovers and side trips. Ask about money-saving Family Plan Fares. Canadian National Offices in principal U. S. cities. Or see your Travel Agent. Canadian National Railways, 105 West Adams St., Chicago 3, Ill.

Fishing ports, beach resorts... find scenic variety along Atlantic coasts.

You'll feel at home in the congenial atmosphere of CNR's smart new lounge cars.

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Explore the headlands and coves of Canada's bracing Provinces-by-the-Sea.

See colorful red coats on parade at old Fort Henry in Kingston, Ontario.

Ride or drive from Jasper Park lodge to the foot of awe-inspiring glaciers.

THE CANADIAN ROCKIES present you with scenes of unexcelled grandeur. On the Banff-Lake Louise Route, you travel through

them in broad daylight when you can take full advantage of the view from the sky-high Scenic Domes of *The Canadian*

You'll see more of magnificent Canada from the Scenic Domes of The Canadian

MAGNIFICENT BANFF SPRINGS HOTEL nestles mile-high in the awe-inspiring Canadian Rockies. This world-famous resort area is just as well known for its hospitality as for its golf, riding, swimming and invigorating mountain sport activities. And it's right along the route of *The Canadian*.

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First, perhaps, you'll sit back and relax in your comfortable armchair, while scenes of majestic beauty flash by. Then you might stroll to the intimate Mural Lounge for refreshments. And as evening approaches, you can enjoy an inexpensive meal in the Skyline Coffee Shop, or make your reservations for the finest Canadian cuisine in the Deluxe Dining Room Car.

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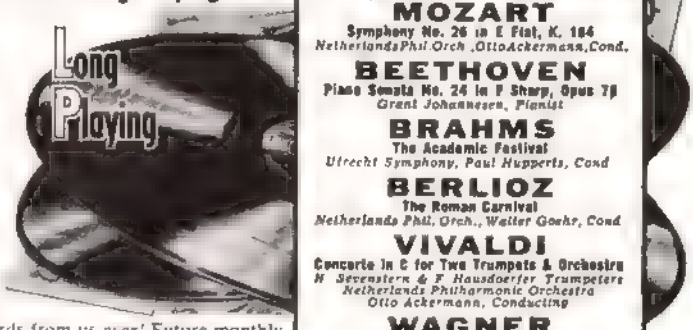

MOZART
Symphony No. 26 in E Flat, K. 184
Netherlands Phil. Orch., Otto Ackermann, Cond.

BEETHOVEN
Piano Sonata No. 24 in F Sharp, Opus 78
Grant Johannesen, Pianist

BRAHMS
The Academic Festival
Utrecht Symphony, Paul Hupperts, Cond.

BERLIOZ
The Roman Carnival
Netherlands Phil. Orch., Walter Goehr, Cond.

VIVALDI
Concerto in C for Two Trumpets & Orchestra
H. Sevenstern & F. Hausdoerfer, Trumpeters
Netherlands Philharmonic Orchestra
Otto Ackermann, Conducting

WAGNER
Die Meistersinger, Prelude, Act 1
Zurich Tonhalle Orch., Otto Ackermann, Cond.

BACH
Toccata and Fugue in D Minor
Alexander Schreiner at the Organ of the Tabernacle, Salt Lake City

DUKAS
Sorcerer's Apprentice
Utrecht Symphony, Paul Hupperts, Cond.

MOUSSORGSKY
Night on Bald Mountain
Netherlands Phil. Orch., Walter Goehr, Cond.

CHOPIN
Fantaisie-Impromptu, Opus 66
Robert Goldsand, Pianist

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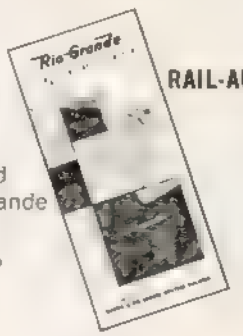

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Great Northern streamliners take you to the very doors of Glacier Park. So your vacation starts the moment you board the Western Star.

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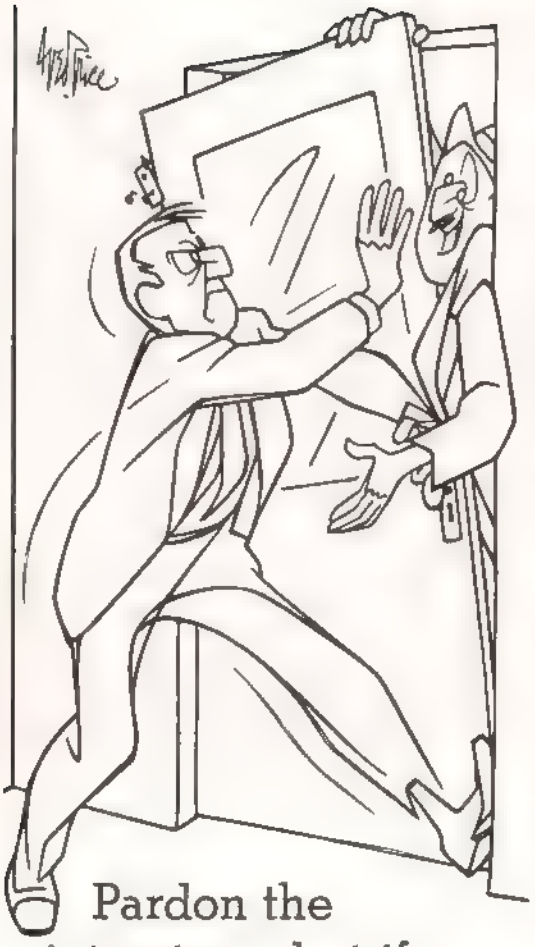

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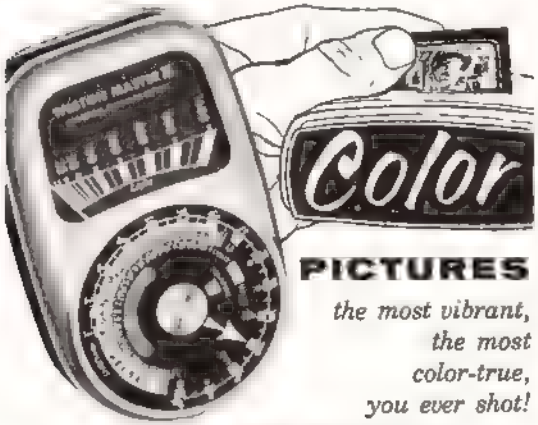

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New York Central

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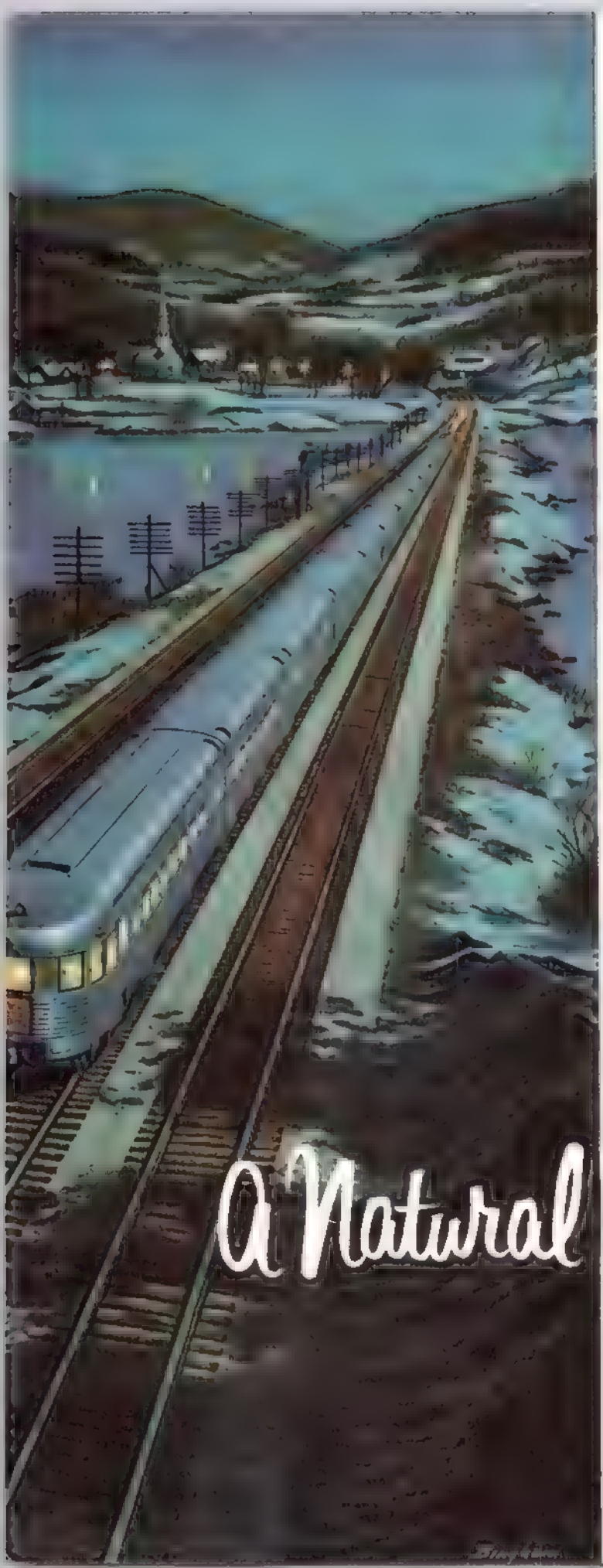

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Nature made only one low-level route between East and Midwest. And, for a hundred years, New York Central has improved on Nature for your comfort.

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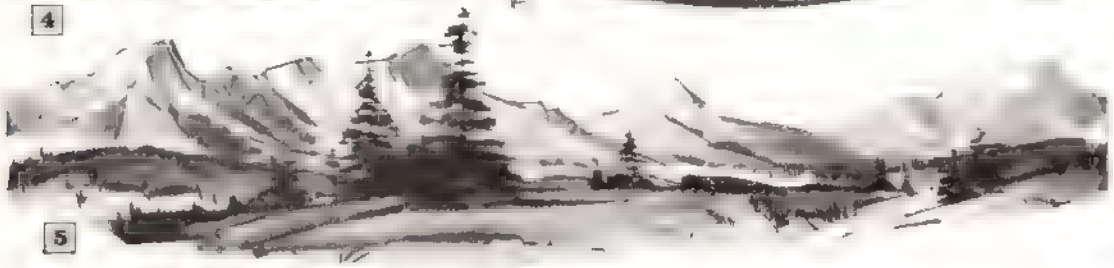
1

2

4

3



5

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SPOKANE • TACOMA
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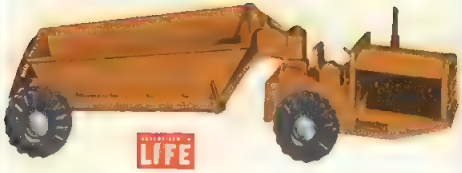
VISTA-DOME

NORTH COAST LIMITED

Mention the National Geographic—It identifies you



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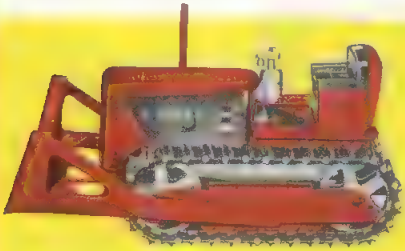
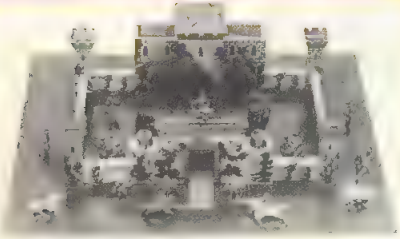
Sturdy Steel crank operated bottom dump body connected by universal coupler to tractor with realistic diesel motor. Extra large heavy duty rubber wheels.



8D2012 Doepke Caterpillar *D6 Tractor & Bulldozer $12.95
Authentic treads, 3 position scraper blade made of heavy gauge steel. Realistic Diesel" engine. Length 15", weight 7 lbs.



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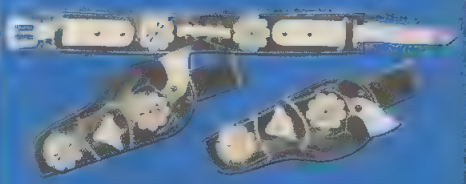
A metal walled fortress of attractively lithographed steel with battlements, and draw bridge manned with a contingent of 20 silver plastic knights in armor and 6 armored horses. Fortress includes cannon that actually shoots harmless plastic shot.

12A521 Large Auburn Farm Barn Set $2.98
Multi-colored realistic barn, shed and silo. Complete with 25 rubber toys including team of horses and wagon and animals.

shootin' arms for Sheriffs (and sidewinders)



4C1700H Carnell Double Holster with Guns $5.98
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A real Texan outfit, with highly decorated holsters, adjustable belt.

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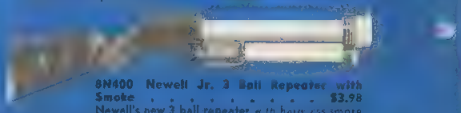

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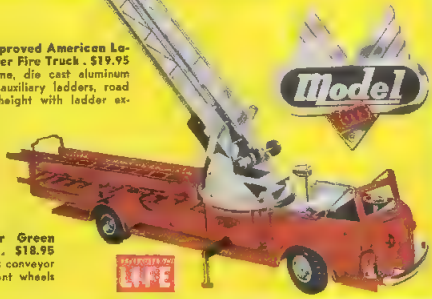
Newell's new 3 ball repeater with harmless smoke feature. Authentic walnut tenite stock and grip.

8N300 Newell Repeater Thunder Gun with Smoke $2.98
Rapid fire, harmless reports without expelling table tennis ball. Tenite stock.

K6400 Keystone "Ride 'Em" Locomotive $13.95
Handle bar steering control. Large comfortable seat, loud bell and hand operated whistle add to the thrill of riding this large 28" long, 12½" high, red and black, all steel rubber tired locomotive.

3S700 Structo Transport Trailer . . $5.95
Big 21¾" extra strong red trailer and white cab, on sturdy aluminum chassis. Retractable dolly wheels, floating tandem duals with 14 wheels. Rear doors open for loading.

8D2014 Doepke Improved American La-France Aerial Ladder Fire Truck . $19.95
Reinforced steel frame, die cast aluminum extension ladder, 2 auxiliary ladders, road jacks. Length 33", height with ladder extended 42".



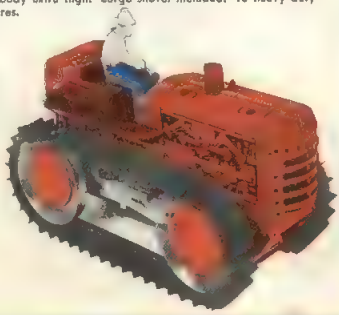
8D2013 Doepke New Barber Green Bucket Loader $18.95
One crank activates buckets, spirals conveyor belt, 2 position pivot action. Front wheels steer length 22".

7M3667 Buddy-L Repair-It Truck $5.95
A rugged 26½" all heavy gauge steel truck with bumper jack, three hard rubber tools, removable wheels, wrecker boom, removable to convert into hauling truck.

7M3859 Buddy-L Hilift Hydraulic Dump Truck with Large Shovel $9.95
Mammoth 24" dump truck with self emergency hydraulic piston to raise body extra high. Large shovel included. 10 heavy duty rubber tires.

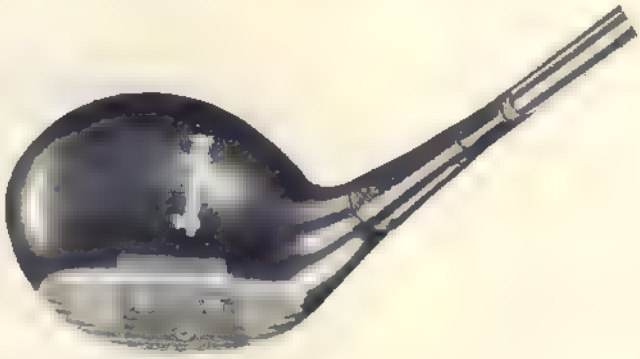
CL8 All American Cargo Liner $19.95
Big 3 foot long, ride-it semi-trailer truck with air horn steering. 18 heavy rubber tires. Strong all steel welded frame and body. Die cast cab.

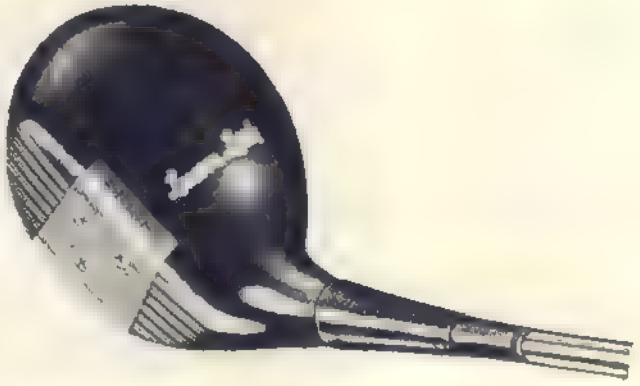
M953 Caterpillar Diesel Tractor with Sparks $2.98
Realistic sparks from exhaust add fun to this climbing tractor equipped with sure grip rubber tires.



Lawson Little Woods

Designed for Greater Distance and Lower Scores





● Pour on the power — add extra yardage to your drives, with precision-made Lawson Little Woods. True champions in performance, they're perfectly balanced for control and accuracy. The positive "feel" in the specially modeled club head provides you with surer, more solid impact. They're "Tru-Weighted"* to give you greater distance and more accuracy, help you shave strokes off your score.

LAWSON LITTLE REGISTERED WOODS

Little Model head with natural face and oval neck, dark cherry. Keystone shape face insert. Straight line face scoring. One-piece sole plate. Tru Weighted* for extra power drive. True Temper "Dynamic" stepped shafts, chrome-plated. Black plastic collar with colored ring and black thread binding. "All Purpose" grips, embossed cloverleaf design.

No. 2111-13 Men's 3-club set (Right Hand)
Suggested Retail $56.70
Cost Per Set. **75.60**

No. 2111-135 Ladies 3-club set (Right Hand)
Suggested Retail $56.70
Cost Per Set. **75.60**

LAWSON LITTLE MONOGRAM WOODS

Little Model head, mahogany-stained. Keystone shape face insert. Straight line face scoring. One piece sole plate. Tru Weighted* for extra power. True Temper step down shaft, chrome plated. Black plastic collar with colored ring and black thread binding. Patented black molded "Improved Control Grip", embossed cloverleaf design.

No. 2312-13 Men's 3-club set (Right Hand)
Suggested Retail $42.00
Cost Per Set. **56.00**

No. 2312-135 Ladies' 3-club set (Right Hand)
Suggested Retail $42.00
Cost Per Set. **56.00**

Also Available in Open Stock

*Reg Trade-Mark

Lawson Little Registered Irons

● These distinctive registered irons are the finest to bear the name "Lawson Little". They feature the camber (rounded), non-scuffing sole that reduces chances of jarring and stubbing. Just a clean, smooth follow-through—with accurate power.

There's a broad rounded top line that gives confidence in aim, control and strong shots with every iron. The compact, powerful blades give you a new positive "feel". Precision-measured offset brings the ball in closer to the true hitting line. And the shorter hosel shifts weight from neck to blade —gives you increased, smoother swinging power.

LAWSON LITTLE REGISTERED IRONS

Lawson Little model, compact blades of mild stainless steel. Full rounded, non-scuffing Camber sole for smoother follow-through. Shorter hosel for more distance. Measured offset. Straight line face scoring. True Temper "Dynamic" stepped shaft. Threaded assembly. Red "All-Purpose" Grips, embossed cloverleaf design.

CHROME SHAFT

No. 2511-16 Men's 6 club set, Right Hand
Suggested Retail . . . . . $ 75.00
Cost Per Set. 100.00

No. 2511-185 Ladies' 8 club set, Right Hand
Suggested Retail $100.00
Cost Per Set. 133.34

LAWSON LITTLE MONOGRAM IRONS

Mild carbon steel, bright chrome finish backs. Straight line face scoring. Camber soles for smoother follow-through. Threaded assembly. True Temper step down shaft. Patented black "Improved Control Grip", embossed cloverleaf design.

CHROME SHAFT

No. 2712-15 Men's 5 club set, Right Hand
Suggested Retail $47.00
Cost Per Set. 62.66

No. 2712-155 Ladies' 5 club set, Right Hand
Suggested Retail $47.00
Cost Per Set. 62.66

LITTLE MONOGRAM PUTTER

Designed for accuracy, perfectly balanced for control. Blade-type putter to match Little Monogram irons.

CHROME SHAFT

No. 2712-88 Men's Right Hand
Each . . . . Suggested Retail . . $9.40 Cost . . $12.54

CASH-IN® PUTTER

"Old-Reliable" to many top notchers. Mild steel satin chrome finish head with a plain non-reflecting face. Curved black leather panel grip, embossed cloverleaf design. Can be used either right or left hand.

CHROME SHAFT

No. 2512-82 Men's Right Hand and Left Hand
Each . . . . Suggested Retail . . $11.00 Cost . . $14.66

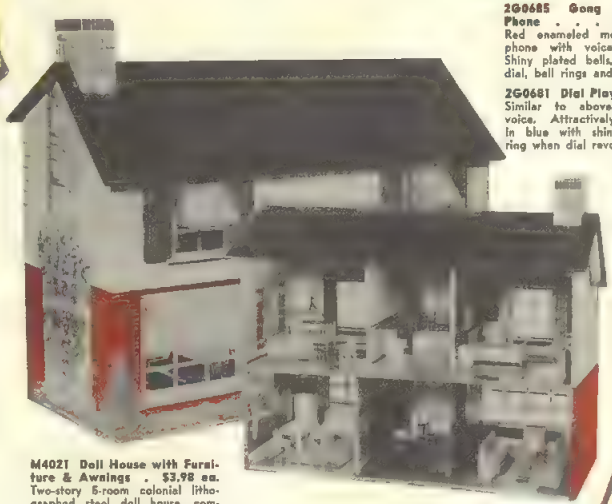
No. 2512-825 Ladies' Right Hand and Left Hand
Each . . . . Suggested Retail . . $11.00 Cost . . $14.66

to cheer Little Girls and brighten their world

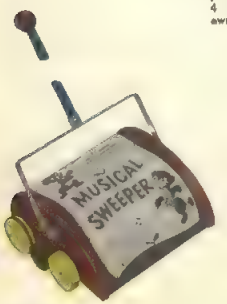
10M130 Broomette . $.98 Each
Just like mother's big broom..but with 28' handle and colored plastic broom fibres for thorough cleaning.

2G0685 Gong Bell Voice Phone . . . . $1.50 ea.
Red enameled metal toy telephone with voice in receiver. Shiny plated bells. Remove the dial, bell rings and voice sounds.

2G0681 Dial Play Phone $0.98
Similar to above but without voice. Attractively lithographed in blue with shiny bells which ring when dial revolves.



M4021 Doll House with Furniture & Awnings . $3.98 ea.
Two-story 5-room colonial lithographed steel doll house, complete with 36 pieces of furniture 4 detachable brilliantly colored awnings.



F225 Fisher-Price Musical Sweeper . . . . . $1.98 ea.
Actually sweeps as it plays gay musical notes. 2 honey bears decorate colorful steel cover.

6W254 30 Pc. Her Royal Majesty Tea Set $2.98
30 life-size pieces to warm the heart of little queens. A complete tea service for 4 in colorful plastic with Her Majesty embossed crest on each piece.

2G251 Gong Bell Jingle Stroller $2.98 ea.
Large enough to hold a big doll or stuffed animal. Gaily lithographed with ringing gongs in all 4 wheels. Has foot rest and tubular steel handle. 22" high, 8" wide.

Imperial Jack-master Pocket Knife Assortments

No. JM-98PB Automatic Utility Knife

Made for safety in service — locks when open — locks when closed; just press the button and the blade opens and locks itself.

Razor steel blade. Made under Schrade-Walden patents. Knives measure 3½ inches closed with a 2½ highly polished steel blade.

Genuine, assorted, celluloid handles.

Packed one dozen on an attractive display card. Wt. per dozen, 2 lbs.

No. JM-98PB Assortment
Cost $16.00

No. JM-90-PB Jack-O-Matic

Full nickel type bolsters and brass lining. Length, 3½ in. Specially designed push-button opening and safety lock.

Imitation pearl handles in attractive candy stripe patterns.

Packed six to a display card, weight per assortment, 1¾ lbs.

No. JM-90-PB Assortment
Cost $16.08

No. JM-4351-CH Barlow

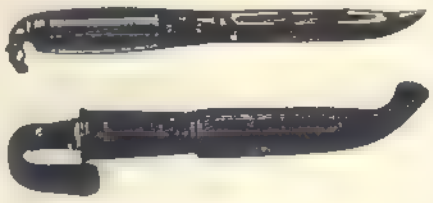
Full nickel type bolsters, marked Barlow. Master Clip Blade. Complete with shackle and boys' chain.

Medium size, length, 3-1/8 inches.

Packed one dozen on attractive display card. Assorted red, white and blue handles. Weight per assortment, 2 lbs.

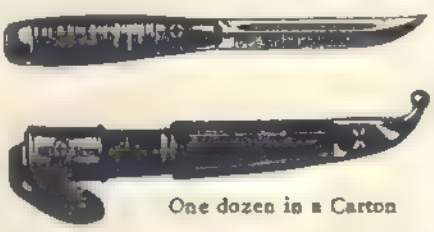
No. JM-4351-CH Assortment
Cost $8.00

Finnish Hunting Knives



Hand honed, sabre-ground, beautifully etched carbon steel blade, razor sharp. Blood groove on both sides. Solid brass hand-filed butt, in artistic horse-head design. Engraved solid brass ferrule. Handle of lustrous "Galalid" in assorted colors. Genuine leather sheath, hand tooled, saddle stitched and embossed by Finnish craftsmen. Length of blade, 3-7/8 inches; overall, 7-1/8 inches. Weight per doz., 3¼ lbs.

No. 58A Hunting Knife
Cost $5.00



One dozen in a Carton

Perfect for skinning, slitting and light outdoor jobs. Sabre ground razor sharp carbon steel blade, hand etched. Double blood groove. Solid brass butt and engraved ferrule. Beautifully detailed hand made genuine leather sheath, with double brass trim, engraved Moisture proof natural birch-bark ring handles, highly polished. Length of blade, 2¼ inches; overall, 4½ inches. Weight per dozen, 11 ounces.

No. 53T Hunting Knife
Cost $2.20

Kinfolks Hunting Knives

Four inch mirror finished blade extends through a bone stag handle. Length overall, 7½ inches. Packed 6 in a box; weight 2 pounds.

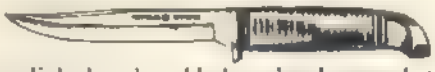
No. 6161 Hunting Knives
Cost $1.90

Full polished blades, high carbon chrome vanadium steel ground to a keen edge. Laminated leather handle with brass and colored fibre trim; drop knob, shaped to fit hand. Designed for hunters and trappers.

Blade length, 3 inches; overall length, 6½ inches. Weight, ¼ lb. Packed six in a box.

No. 333 Hunting Knives
Cost $2.66

No. 333-Y Hunting Knives
Cost $3.00



Full polished saber blades, hand ground to keen lasting edge; flat and concave grind. Concave blades are chrome plated and rust resisting. Leather handles with brass and fibre trim; solid aluminum knob fitting hand. Streamlined knife for all outdoor use, complete with pouch type holster.

No.	330	330	330
Blade Length, Inches	3½	4	4½
Overall Length, Inches	7	7½	8¼
No. in Carton	6	6	6
Boxed Weight, Lbs.	2	2¼	2½
Cost	$3.00	$3.40	$3.70

Kinfolks Hunting Knives

Slim streamlined saber blades with keen edge. Yellow marbelite handle with colored washer and brass trim at each end and center. Curved aluminum knob to fit the hand. Complete with pouch type holster. Length overall, 8¼ in. Packed 6 in a box. Wt., 2½ lbs. With 4½-inch Blade

No. Y-330 Hunting Knives
Cost $3.70

No. 331

3½" blade, 7" overall. Complete with leather sheath and Washer Handle. Similar to above 330.

No. 331 Hunting Knives
Cost (per dozen) $36.00 Suggested Retail . . . $3.20

No. Y331

No. Y331 Same as above except with yellow marbelite handle.

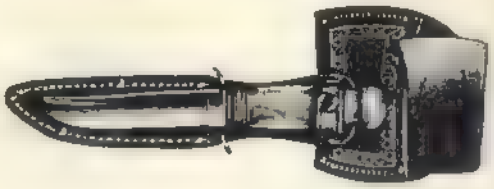
No. Y331 Hunting Knives
Cost (per dozen) $40.00 Suggested Retail . . . $3.50

Knife Combination Sets

Knives are hand ground to keen lasting edges. Leather handles with brass and colored fibre trim. Solid aluminum knobs to fit hand. Sturdily built throughout for all outdoor uses; handles can never loosen. Combination outfit complete with dual holster. Overall length, large knife, 8¼ in.; small knife, 6¼ in. Large knife, saber type ground blade for durability. Length of blade, 4½ in. Blade of smaller knife is 3 in. long. Individually packed; weight, 1½ lbs.

No. 330-333 Knife Combination
Cost $7.00

Knife-Axe Combination Sets



Designed for sportsmen who demand the finest hunting knives. Yellow mottled handle and black knob. Has brass and colored fibre trim and 5 inch swedge back blade with heavy brass safety guard. Axe perfectly balanced for chopping. Embossed leather sheaths. Packed singly. Weight, 1½ lbs.

No. 330 Axe and Knife Combination
Cost $12.00

Utica All-Purpose Axe'n Knife Kit

Ranger

Both axe and knife in detachable heavy top leather sheaths with snap button straps. Made of tough carbon steel hardened and tempered. Stag pattern handle with brass compression rivets. Crocus polished mirror finish. Length of axe, 10 inches; length of knife, 8¾ inches. Wt. per set, 1½ lbs.

No. A-195 Axe'n Knife Kit
Cost $4.70

Utica Fishing and Outdoor Knives

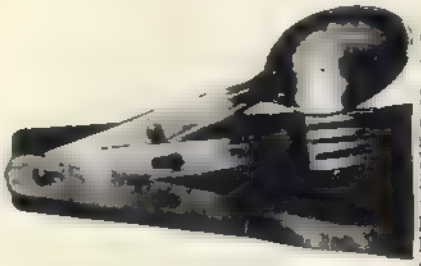
Sportsman

Extra duty dependable hunting knives. Blades 4½ inches long with guard; overall lenght 8-3/4 inches. Substantial original Utica long cut stag handle. Brass compression rivets. Top Grain leather sheath with each knife. Weight per dozen, 4½ lbs.

No. FL-3 Kamp-Kit
Cost (per dozen) $25.30

Imperial "Kamp-Kit" Sets

Stainless



Ideal for all outdoor uses—it's stainless—never tarnishes. Heavy gauge stainless steel Knife, Fork and Spoon that will not rust, tarnish or batter. Parts clip together into a compact unit when not in use. Dimensions of pieces: Knife 6-5/8 in.; Fork 6-5/8 in.; Spoon 7 in. Pieces are contained in a heavy, protective Vinyl sheath with button flap. Sets are individually boxed and packed six sets to a display unit. Weight per display unit, 2 lbs.

No. 2095 Fishing and Outdoor Knives
Cost (per dozen) $16.00

Utica Fishing and Outdoor Knives

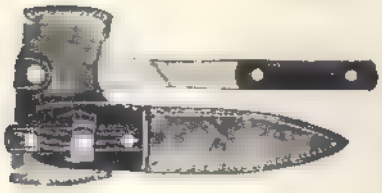
Sportsman

Extra duty dependable hunting knives. Blades 4½ inches long with guard; overall lenght 8-3/4 inches. Substantial original Utica long cut stag handle. Brass compression rivets. Top Grain leather sheath with each knife. Weight per dozen, 4½ lbs.

No. **2095** Fishing and Outdoor Knives
Cost (per dozen) **$16.00**

Utica All-Purpose Axe'n Knife Kit

Ranger



Both axe and knife in detachable heavy top leather sheaths with snap button straps. Made of tough carbon steel hardened and tempered. Stag pattern handle with brass compression rivets. Crocus polished mirror finish. Length of axe, 10 inches; length of knife, 8¾ inches. Wt. per set, 1½ lbs.

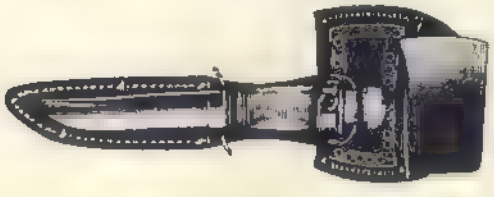
No. **A195** Axe'n Knife Kit
Cost **$4.70**

Knife Combination Sets

Knives are hand ground to keen lasting edges. Leather handles with brass and colored fibre trim. Solid aluminum knobs to fit hand. Sturdily built throughout for all outdoor uses; handles can never loosen. Combination outfit complete with dual holster. Overall length, large knife, 8¼ in.; small knife, 6¼ in. Large knife, saber type ground blade for durability. Length of blade, 4½ in. Blade of smaller knife is 3 in. long. Individually packed; weight, 1½ lbs.

No. **336-333** Knife Combination
Cost **$7.00**

Knife-Axe Combination Sets



Designed for sportsmen who demand the finest hunting knives. Yellow mottled handle and black knob. Has brass and colored fibre trim and 5 inch swedge back blade with heavy brass safety guard. Axe perfectly balanced for chopping. Embossed leather sheaths. Packed singly. Weight, 1½ lbs.

No. **330** Axe and Knife Combination, complete
Cost **$12.00**

Fisherman's Barometer

Handsome molded plastic case, 3¼" in diameter, with chromium bezel and ring hanger. Good and poor fishing conditions outlined in color on dial make accurate readings easy. Adjustable back plate for altitudes from 0 to 3,500 feet. Each in an attractive snap-cover box. Weight 6 ozs.

No. **2280F** Fisherman's Barometer
No. **2280F-HA**-High Altitude Fisherman's Barometer
No. **2280F** Cost . . **$10.80** No. **2280F-HA** Cost . . **$12.00**

Sunbeam Shavemasters

Model W and WZ

AC-DC Motor — **Light-Weight Construction**

Single Head

Compact Armature Type Motor — **Attractive Carrying Case**

Single Hollow Ground Cutter — **Easy to Handle**

Entirely new shape, easier to handle and is smaller and lighter in use. Large size single head is twice as wide as conventional shavers and has more than twice as many openings or cutting edges than former Shavemasters. More than 1700 holes are actually closer together than whiskers on the average man's face. Easy to handle, shape fits every curve of the face and insures smooth and comfortable shaving at all times.

Compact, 110-120 Volt AC-DC armature type motor provides ample and instantaneous power at all times. Crankshaft drive operates cutting mechanism. Lightweight sturdy Nylon connecting rod outlasts metal.

Graduated hair openings along cutter edge allows for equal satisfactory service against both long and short hair. Does a clean job on all beards.

Complete with attractive carrying case with self-contained cord holder concealed in bottom. Durable for traveling or for keeping razor dust free while at home.

Packed six razors in a shipping carton, weight, 10 pounds.

Model W with Plastic Carrying Case, (as illustrated above)	Each	Lots of 6
Cost	$35.34	$32.86
Suggested Retail	26.50	

Model WZ with Leather Zipper Case, otherwise same as Model W	Each	Lots of 6
Cost	$35.34	$32.56
Suggested Retail	26.50	

Camillus Pocket Knives

Blades of custom made high carbon polished steel Edges hand honed. Precision ground handles of durable plastic and stag, highly polished. Each knife wrapped in cellophane. Linings, brass except where specified. Bolsters, nickel silver except where specified Sales supported by national consumer advertising. Display cases, counter cards and streamers tie into this program.

No. 1 Pruning and Utility

Handle, Rosewood—with hole for cord. Blade, hawkbill—Linings, steel. Bolster, steel. Length closed, 4 inches. Weight per dozen, 2½ pounds.

No. 1 Pruning Knives
Cost (per dozen) . . **$32.00** Suggested Retail . . **$2.00**
Packed ½ dozen in a box.

No. 4 Switchback

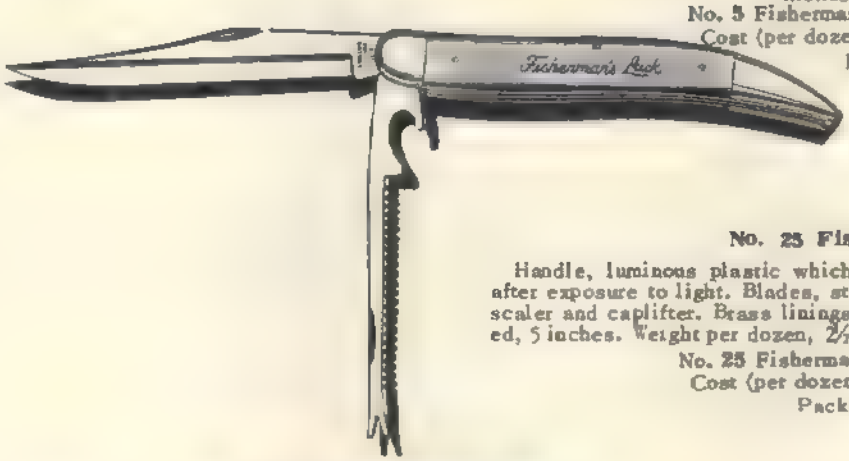
Handle, Cornelia Pyroxylin—Blade, long clip—Linings, brass—Bolsters, nickel silver. Length closed, 5 inches. Weight per dozen, 1¾ pounds.

No. 4 Switchback Knife
Cost (per Dozen) . . **$32.00** Suggested Retail . . **$2.00**
Packed ½ dozen in a box.

No. 5 Fisherman's Luck

Handle, Maize pyroxylin—Blade, Chrome plated, sabre clip with scaler and caplifter. Linings, brass, with lock to keep blade from closing when in use. Bolsters, nickel silver with disgorger. Length closed, 5 inches. Weight per dozen, 2¼ lbs.

No. 5 Fisherman's Luck
Cost (per dozen) . . **$36.00** Suggested Retail . . **$2.25**
Packed ½ dozen in a box.



No. 25 Fisherman's Luck

Handle, luminous plastic which glows in the dark for several hours after exposure to light. Blades, stainless steel saber clip and stainless scaler and caplifter. Brass linings. Nickel silver bolsters. Length closed, 5 inches. Weight per dozen, 2½ lbs.

No. 25 Fisherman's Luck
Cost (per dozen) . . **$52.00** Suggested Retail . . **$3.25**
Packed ½ dozen in a box.

No. 10 Standard Barlow

Handle, brown bone—Blades, spear, pen. Bolster, steel. Length closed, 3½ inches. Weight per dozen, 2½ lbs.

No. 10 Standard Barlow
Cost (per dozen) . . **$24.00** Suggested Retail . . **$1.50**
Packed ½ dozen in a box.

No. 11 Standard Barlow

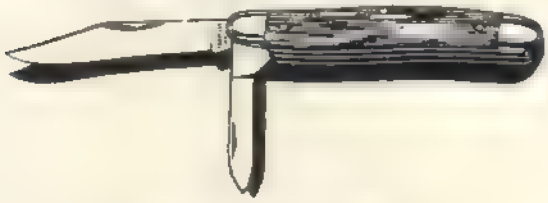
Handle, brown bone—Blades, clip, pen. Bolster, steel. Length closed, 3½ inches. Weight per dozen, 2½ lbs.

No. 11 Standard Barlow
Cost (per dozen) . . **$24.00** Suggested Retail . . **$1.50**
Packed ½ dozen in a box.

Camillus Pocket Knives

No. 14 Serpentine Jack

Handle, stagged—Blades, clip, pen. Brass lining and nickel silver bolsters. Length closed, 3⅜ inches. Weight per dozen, 1½ lbs.
No. 14 Serpentine Jack
Cost (per dozen) . . . **$28.00** Suggested Retail . $1.75
Packed ½ dozen in a box.

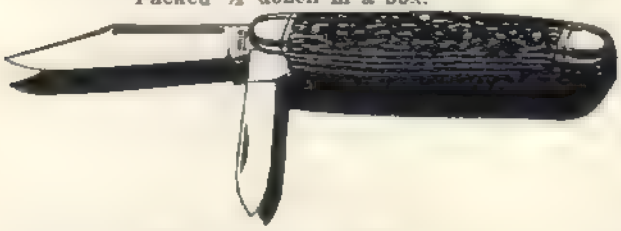


No. 15 Serpentine Jack

Handle, Red Horn pyroxylin - Blades, clip, pen. Brass lining and nickel silver bolsters. Length closed, 3 3/8 inches. Wt. per dozen, 1½ lbs. Packed ½ dozen in a box.
No. 15 Serpentine Jack
Cost (per dozen) . . **$28.00** Suggested Retail . $1.75

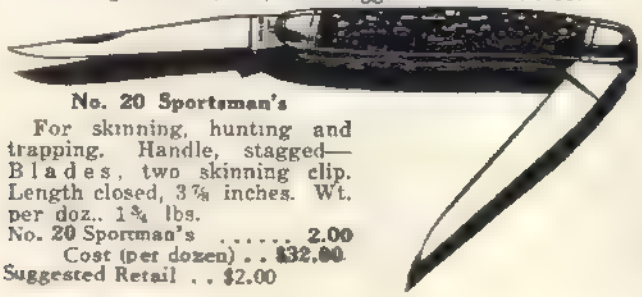
No. 16 Heavy Equal End Jack

Handle, stagged—Blades, clip, pen. Length closed, 3⅜ inches. Wt. per dozen, 2⅛ lbs.
No. 16 Heavy Equal End Jack
Cost (per dozen) . . **$32.00** Suggested Retail . . $2.00
Packed ½ dozen in a box.



No. 18 Large Serpentine Jack

Handle, stagged—Blades, clip, pen. Length closed, 3⅞ inches. Wt. per dozen, 2¼ lbs.
No. 18 Large Serpentine Jack Packed ½ dozen in a box.
Cost (per dozen) . . **$32.00** Suggested Retail . . $2.00

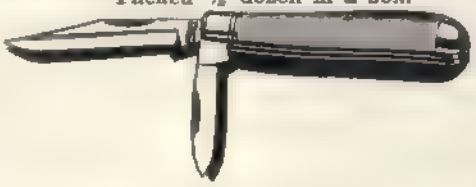


No. 20 Sportsman's

For skinning, hunting and trapping. Handle, stagged—Blades, two skinning clip. Length closed, 3⅞ inches. Wt. per doz.. 1¾ lbs.
No. 20 Sportman's **2.00**
Cost (per dozen) . . **$32.00**
Suggested Retail . . $2.00

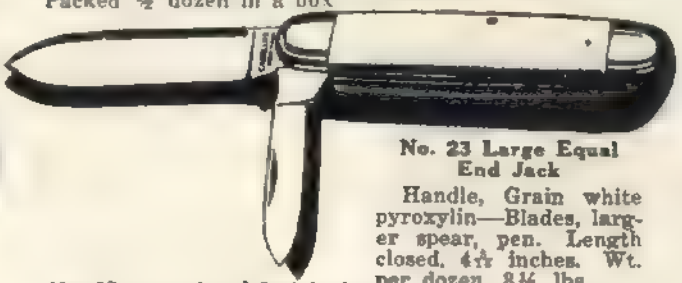
No. 21 Pony Jack

Handle, stagged—Blades, sabre clip, pen. Length closed, 2⅛ inches. Wt. per dozen, 1¼ lbs.
No. 21 Pony Jack
Cost (per dozen) . . **$28.00** Suggested Retail . . $1.75
Packed ½ dozen in a box.



No. 22 Pony Jack

Handle, Maize pyroxylin—Blades, sabre clip, pen. Length closed, 2⅛ inches. Wt. per dozen, 1 lb.
No. 22 Pony Jack
Cost (per dozen) . . **$28.00** Suggested Retail . . $1.75
Packed ½ dozen in a box

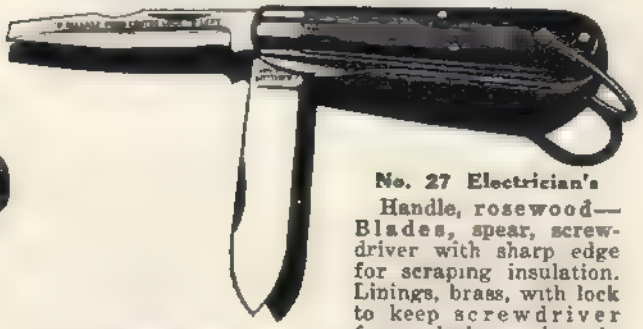


No. 23 Large Equal End Jack

Handle, Grain white pyroxylin—Blades, larger spear, pen. Length closed, 4⅛ inches. Wt. per dozen, 8¼ lbs.
No. 23 Large Equal End Jack
Cost (per dozen) . . **$52.00** Suggested Retail . . $3.25
Packed ½ dozen in a box.

No. 24 Small Jack

Handle, Nu-Pearl—Blades, clip and pen. Length closed, 3 inches. Wt. per dozen, 1¼ pounds.
No. 24 Small Jack
Cost (per dozen) . . **$32.00** Suggested Retail . . $2.00



No. 27 Electrician's

Handle, rosewood—Blades, spear, screwdriver with sharp edge for scraping insulation. Linings, brass, with lock to keep screwdriver from closing, when in use. Shackle, nickel silver. Length closed, 3¾ inches. Weight per dozen, 3 pounds.
No. 27 Electrician's
Cost (per dozen) . . **$36.00** Suggested Retail . . $2.25

Camillus Pocket Knives

No. 40 Congress Pen

Handle, stagged—Blades, Sheepfoot, pen—Linings, brass—Bolster tips, nickel plated. Length closed, 3 7/8 inches. Weight per dozen, 1¼ lbs.

No. 40 Congress Pen
Cost (per dozen) . . **$28.00** Suggested Retail . . $1.75
Packed ½ dozen in a box.

No. 41 Senator Pen

Handle, stagged—Blades, spear, pen. Length closed, 3⅛ inches. Weight per dozen, 1 lb.

No. 41 Senator Pen
Cost (per dozen) . . **$28.00** Suggested Retail . . $1.75
Packed ½ dozen in a box.

No. 42 Senator Pen

Handle, Nu-pearl—Blades, spear, pen. Length closed, 3⅛ inches. Weight per dozen, 1 lb.

No. 42 Senator Pen
Cost (per dozen) . . **$24.00** Suggested Retail . . $1.50
Packed ½ dozen in a box.

No. 43 Slim Senator Pen

Handle, Nu-pearl—Blades, spear, pen—Shackle, nickel silver. Length closed, 2 7/8 inches. Weight per dozen, ¾ lb.

No. 43 Slim Senator Pen
Cost (per dozen) . . **$28.00** Suggested Retail . . $1.75
Packed ½ dozen in a box.

No. 48 Small Pen

Handle, Maize Pyroxylin. Blades, clip and pen. Brass linings. Nickel Silver bolsters. Length, 2 ¼ inches closed. Weight per dozen, ¾ lb.

No. 48 Small Pen
Cost (per dozen) . . **$28.00** Suggested Retail . . $1.75
Packed ½ dozen in a box.

No. 49 Senator Pen

Handle, Ultra-Pearl. Blades, spear and pen. Brass, milled linings. Nickel Silver bolsters. Length closed, 3 1/8 inches. Weight per dozen, 1 lb.

No. 49 Senator Pen
Cost (per dozen) . . **$32.00** Suggested Retail . . $2.00

No. 50 Barlow

Handle, Brown Bone. Blades, spear and pen. Brass linings, steel bolsters. Length closed, 3 3/8 inches. Wt. 2 1/8 lbs.

½ dozen in a box

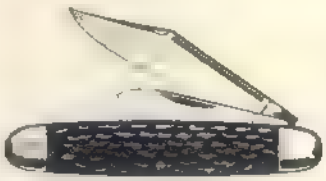
No. 50 Barlow
Cost (per dozen) . . **$24.00** Suggested Retail . . $1.50

No. 51 Barlow

Handle, Brown Bone. Blades, clip and pen. Brass linings. Steel bolsters. Length closed, 3 3/8 inches. Wt. doz., 2 1/8 lbs.

½ dozen in a box

No. 51 Barlow
Cost (per dozen) . . **$24.00** Suggested Retail . . $1.50

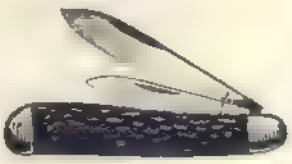


No. 52 Equal End Jack

Handle, Plastag. Blades, clip and pen. Brass linings. Nickel Silver bolsters. Length closed, 3 5/16 inches. Wt. doz., 1½ lbs.

½ dozen in a box

No. 52 Equal End Jack
Cost (per dozen) . . **$24.00** Suggested Retail . . $1.50



No. 53 Dog Leg Jack

Handle, Plastag. Blades, spear and pen. Brass linings. Nickel Silver bolsters. Length closed, 2 15/16 inches Wt. doz., 1 1/8 lbs.

No. 53 Dog Leg Jack
Cost (per dozen) . . **$24.00** Suggested Retail . . $1.50

No. 54 Pony Jack

Handle, Brown Agate Pyroxylin. Blades sabre clip, pen. Brass linings. Nickel Silver bolsters. Length closed, 2 13/16 inches. Wt. doz., 7/8 lb.

No. 54 Pony Jack
Cost (per dozen) . . **$24.00** Suggested Retail . . $1.50

Camillus Pocket Knives

No. 63 Junior Premium Stock

Handle, Maize Pyroxylin. Blades clip, sheepfoot, pen. Length closed, 3 3/8 inches. Wt. per dozen, 1½ lbs.

Packed ½ dozen in a box

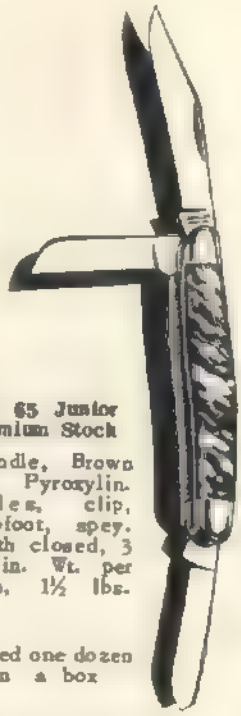
Cost (per dozen) **$40.00**
Suggested Retail $2.50

No. 64 Junior Premium Stock

Handle, Stagged. Blades, clip spey spiral punch Length closed, 3 3/8 inches Wt. per doz., 1¾ lbs.

Packed ½ dozen in a box

Cost (per dozen) **$36.00**
Suggested Retail $2.25



No. 65 Junior Premium Stock

Handle, Brown Horn Pyroxylin. Blades, clip, sheepfoot, spey. Length closed, 3 3/8 in. Wt. per dozen, 1½ lbs.

Packed one dozen in a box

Cost (per dozen) **$40.00**
Suggested Retail $2.50

No. 65A Junior Premium Stock

Handle, Plastag. Blades, clip, sheepfoot, spey. Length closed, 3 3/8 in. Wt. per dozen, 1½ lbs.

Packed ½ dozen In a box

Cost (per dozen) **$36.00**
Suggested Retail $2.25

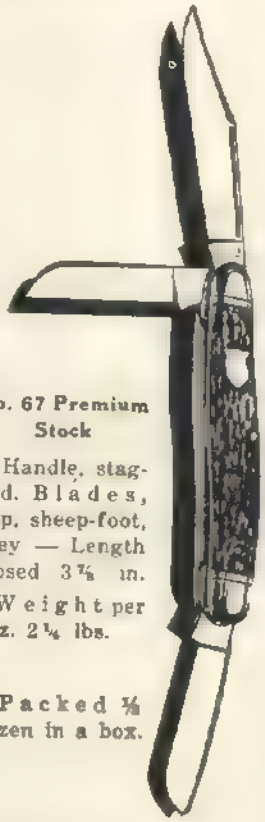
No. 66 Premium Stock

Handle, grain white pyroxylin —Blades, clip, sheepfoot, spey —Length closed 3⅜ inches.

Wt. per dozen 2¼ pounds.

Packed ½ dozen in a box.

Cost (per dozen) **$44.00**
Suggested Retail $2.75



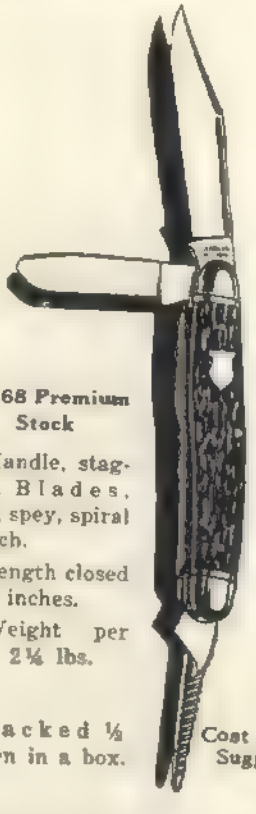
No. 67 Premium Stock

Handle, stagged. Blades, clip, sheep-foot, spey — Length closed 3⅜ in.

Weight per doz. 2¼ lbs.

Packed ½ dozen in a box.

Cost (per dozen) **$40.00**
Suggested Retail $2.50



No. 68 Premium Stock

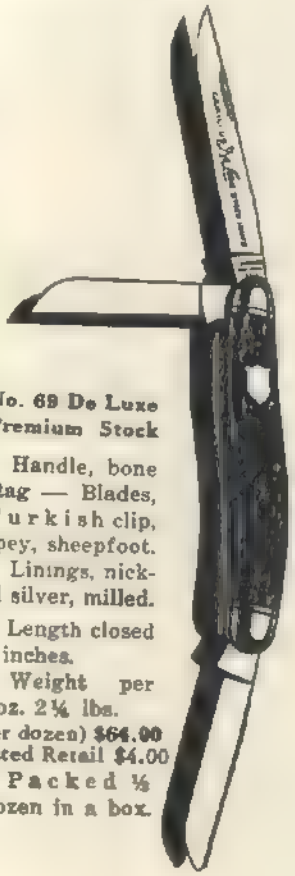
Handle, stagged. Blades, clip, spey, spiral punch.

Length closed 3⅜ inches.

Weight per doz. 2¼ lbs.

Packed ½ dozen in a box.

Cost (per dozen) **$40.00**
Suggested Retail $2.50



No. 69 De Luxe Premium Stock

Handle, bone stag — Blades, Turkish clip, spey, sheepfoot.

Linings, nickel silver, milled.

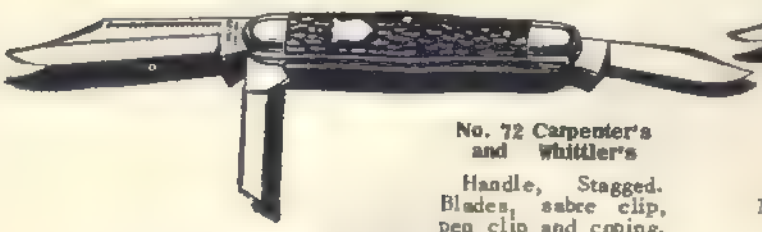
Length closed 4 inches.

Weight per doz. 2¼ lbs.

Cost (per dozen) **$64.00**
Suggested Retail $4.00

Packed ½ dozen in a box.

Camillus Pocket Knives



No. 72 Carpenter's and Whittler's

Handle, Stagged. Blades, sabre clip, pen clip and coping. Length closed, 3 3/8 inches. Wt. per dozen, 1¾ lbs.

No. 72 Carpenter's
Cost (per dozen) **$40.00** Suggested Retail . . $2.50
Packed ½ dozen in a box.

No. 74 Junior Cattle

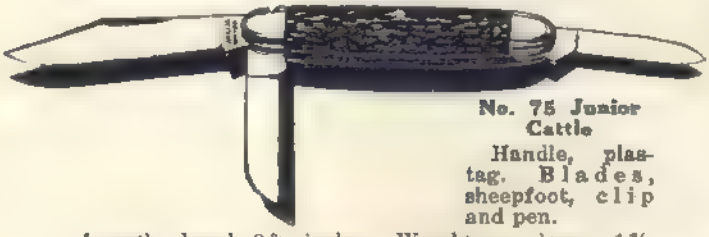
Handle, Maize pyroxylin. Blades, clip, spey and spiral punch. Length closed, 3⅝ in. Weight per dozen, 1¾ pounds

No. 74 Junior Cattle
Cost (per dozen) **$36.00** Suggested Retail . . $2.25
Packed ½ dozen in a box.

No. 74A Junior Premium Stock

Handle, Plastag. Blades, clip, spey and pen. Length closed, 3 5/16 in. Weight per dozen, 1¾ lbs.

No. 74A Junior Premium Stock
Cost (per dozen) **$36.00** Suggested Retail . . $2.25



No. 75 Junior Cattle

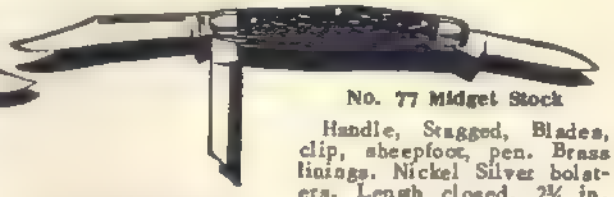
Handle, plastag. Blades, sheepfoot, clip and pen. Length closed, 3⅝ inches. Weight per dozen, 1¾

No. 75 Junior Cattle
Cost (per dozen) **$36.00** Suggested Retail . . $2.25
Packed ½ dozen in a box.

No. 76 Baby Premium Stock

Handle, plastag. Blades, clip, spey, pen. Length closed, 3 inches. Weight per dozen, 1¼ lbs.

No. 76 Baby Premium Stock
Cost (per dozen) **$36.00** Suggested Retail . . $2.25



No. 77 Midget Stock

Handle, Stagged, Blades, clip, sheepfoot, pen. Brass linings. Nickel Silver bolsters. Length closed, 2¾ in. Weight per dozen, 1 lb.

No. 77 Midget Stock
Cost (per dozen) **$32.00** Suggested Retail . . $2.00
Packed ½ dozen in a box.

No. 91 Congress

Handle, stagged—Blades, two sheepfoot, two pen—Length closed 3⅞in. Weight per doz. 1¾ pounds.

No. 91 Congress
Cost (per dozen) **$40.00** Suggested Retail . . $2.50

No. 99 Camp

Handle stagged—Blades, spear, can opener, punch screwdriver, cap lifter—Shackle, nickel silver. Length closed, 3⅝ inches. Weight per dozen 3 pounds.

No. 99 Camp Packed ½ dozen in a box.
Cost (per dozen) **$36.00** Suggested Retail . . $2.25

No. 295 Office

Handle, grain white pyroxylin. Blades, spear, spey. Linings, brass. Length, closed 2⅞ inches. Weight per dozen, ¾ pounds.

No. 295 Office Knife
Cost (per dozen) **$28.00** Suggested Retail . . $1.75

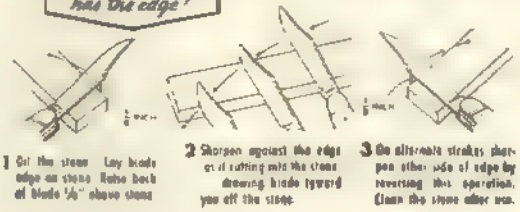
No. 505 Senator Pen

Handle, gray pearl. Blades, spear and pen. Length closed, 3 inches. Wt. per doz., 1 lb.

No. 505 Senator Pen
Cost (per dozen) **$24.00** Suggested Retail . . $1.50

CAMILLUS *has the edge!*

Even the best knives need sharpening. Here is the correct method:



1 Set the stone. Lay blade edge on stone. Raise back of blade ½" above stone.

2 Sharpen against the edge of cutting into the stone drawing blade toward you off the stone.

3 Do alternate strokes sharpen other side of edge by reversing the operation. Clean the stone after use.

Imperial Jack-master Pocket Knife Assortments

No. JM83 Pen Knife

Medium sized pen knives. Lgths., 2¼ and 3-1/8 in., straight pattern. Full nickel type bolsters. Master spear and pen blading. Handles in assorted colors. High grade cutlery steel.

Packed 1 doz. to display card.

Weight per assortment, 1 lb.

No. JM 83 Assortments...Each 8.00

No. JM82 Barlow - 2 Blade, Medium Size

Knives measure 3-1/8 inches in length and are made with nickel bolsters; blading is clip and pen.

2-blades made from special high carbon cutlery steel.

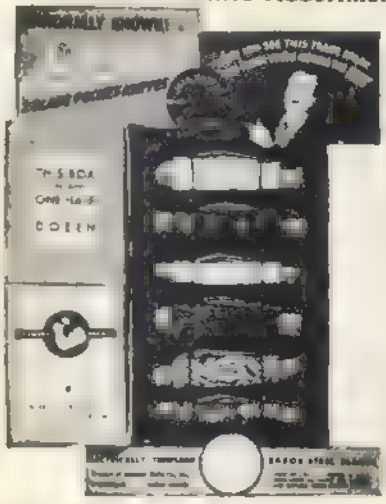
Handles are in assorted colors and imitation pearl.

Knives are packed each in an individual box; 12 boxes to the carton.

Weight per dozen, 1-5/8 pounds.

No. JM 82 Jack Knife Assortments.....Each 8.00

Imperial Jack-master Pocket Knife Assortments



No. JM84 2-Blade Jacks

Medium sizes assorted with two blade jacks. Made in lengths 2¾ and 3-1/8 in., full nickel type bolsters. Patterns assorted, straight and serpentine. The blading is master clip and pen.

Blades are high carbon cutlery steel with handles in assorted imitation pearl and colors. Packed 1 doz. to display card. Weight 1-7/8 pounds.

No. JM84 Jack-master Assortments.....Each $9.00

No. JM1499-157 Sportmasters Outdoor Knives

Assortment of switch blade knives with full nickel type bolsters. Length 4¼ inches.

Blades are of high carbon cutlery steel, master clip design.

Knives are packed one dozen to an attractive display card and have colored and imitation pearl handles.

Weight per assortment, 1¾ lbs.

No. JM1499-157 Sportmaster Assortm'ts. Ea. 9.00

No. JM Midget

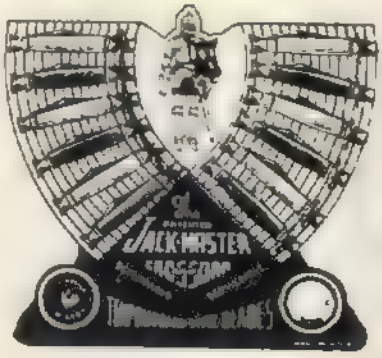
Miniature knives; lengths, 2, 2¼ and 2½ inch Midget; Jack, Switch and Crossbar. Made with full bolsters. High carbon steel blades, assorted master spear and clip. Assorted colored and imitation pearl handles.

No. JM Midget Assort. 1 Doz. (Wt. 5/8 lb.)..Each 8.00

Shorty-Midget

Nickel type bolsters 1½ inches long. Spear type blade of special high carbon cutlery steel. Fitted with shackle for chain attachment. Imitation pearl handles. Packed one dozen on display card, weight, ½ lb.

No. Shorty-Midget Assortment Cost $6.00



No. JM-1200 Jackmaster

Clip type blades, full nickel bolsters and furnished in cross bar assortment. Length, 4 in. Blades of high quality carbon cutlery steel. Imitation pearl handles in color. Packed one dozen on attractive display card, wt., 1-5/8 pounds.

No. JM-1200 Jackmaster Assortments.....Each 8.00

SPINNING SECTION

Airex Spinster Spinning Reels

Modern streamlined design, demountable handle, new type fully expanding internal brake system. New, easily controlled anti-reverse lock in ON position. Handle cannot be turned backwards. New design pick-up finger. Reel easy to take apart and reassemble. All parts monel, stainless steel or non-corrosive treated materials.

Bushings are of the oilite type throughout. Oiling very simple. New design line spool with free casting front lip. With wing-nut removed spool will not fall off reel as snap-catch on brake-housing holds spool in place. High gear ration 3.66 to 1; fast retrieve. Streamlined wingnut brake extremely sensitive. Streamline design prevents line catching behind cup or other parts. Spool capacity 200 yards, Airex 8 pound braided Nylon line.

No. **315** Spinning Reels
Each . . . . Suggested Retail . . $13.50 Cost . . **$16.20**

No. 330 Airex Vagabond

A great new lightweight reel by Airex—Perfect for the freshwater light tackle enthusiasts. Full bail pickup—Light weight removable spool with 200 yd. capacity, 6 lb. Airex Monofilament. Convex faced gears with lifetime guarantee—Famous Airex brake—Extra spools available—Weight only 8 oz.

No. **330** Reels
Each . . . . Suggested Retail . . $16.50 Cost . . **$19.80**

No. 325 Airex Beachcomber

First American made large capacity spinning reel—the result of Airex's 17 years experience in the development and manufacture of spinning reels. Perfect for salt water and heavy fresh water fishing. Full bail roller pickup. Capacity 270 yd. 15 lb. Airex Monofilament. Anti-corrosive construction—famous Airex patented internal expansion brake—Positive anti-reverse—Large torepedo handle—Convex faced gears with lifetime guarantee—Gear ratio 3.88-1—Weight 14 oz. Extra spools available.

No. **325** Reels
Each . . . . Suggested Retail . . $28.50 Cost . . **$34.20**

No. 700 Airex Mastereel Kit

Complete Mastereel spinning outfit in attractive simulated alligator box. Kit includes:

1 Airex Mastereel and extra spool
100 yards Airex Monofilament spinning line
100 yards Airex Braided spinning line
8 Airex lures
2 Stainless leaders
4 Snap-swivels
6 Anti-twist keels
2 Line clips
1 Plastic ball float

No. **700** Mastereel Kit
Per Kit . . Suggested Retail . . $32.00 Cost . . **$38.40**

No. 705 Airex Spinster Kit

Complete Spinster spinning kit outfit in attractive simulated alligator box. Kit includes:

1 Airex Spinster Reel and extra spool
100 yards Airex Monofilament spinning line
100 yards Airex Braided spinning line
5 Airex lures
2 Stainless leaders
2 Anti-twist keels
2 Snap swivels
2 Line clips
1 Plastic ball float

No. **705** Spinster Kit
Per Kit . . Suggested Retail . . $20.50 Cost . . **$24.60**

Mitchell Spinning Reels

A Heavy duty automatic pick-up arm made of stainless alloy.
B Level wind spooling or special gears for cross winding.
C Two interchangeable spools. Large and small line capacity.
D Friction free line guide of tungsten carbide.
E Finger flip for fast operating of pick-up.
F Folding handle. Folds when not in use.
G Push-button spool-lock. No loose parts. Does not disturb drag adjustment.
H Positive drag adjustment and built-into-spool click. Allows permanent tension with smooth breaking action.
I Linestop prevents unraveling of threaded spare spool.
J Anti-reverse clutch for use when trolling, playing or netting of fish. No manual handling of line.
K Lubrication port screw.

Mitchell Spinning Reels
Each . . . . Suggested Retail . . $29.75 Cost . . **$35.70**

SPINNING SECTION

Phantom Spinning Rod

Spinning is rapidly growing in favor . . . and so are PHANTOM SPINNING RODS. This year, Phantom offers 3 outstanding values . . . in a choice of tubular or solid glass. Five, fully graduated, stainless steel, chrome plated guides with matching top puts the Phantom Spinning Rod far ahead of competition. 2-piece rod with center ferrule, annodized aluminum rings, cork handle and screw top carrying case make this THE spinning rod of the year.

No. **SP160** Spinning Rod
Each . . . . Suggested Retail . . $9.95 Cost . . **$11.94**

Hedden Standard "Pal" Tubular Glass Spinning Rods

Unusual value in a strictly high grade spinning rod. Has 12-inch cork handle, polished aluminum sliding bands. Chrome graduated guides and tip-top. Black anodized ferrule. Beautifully wound with maroon silk. Packed in cloth bag and fiber case. Lengths and actions: 6 and 6½ ft., light action only—7 ft., light and medium actions.

No. **T130M**-6½' Medium
No. **T130M**-7' Medium
No. **T130L**-6½' Light
Each . . . . Suggested Retail . . $17.50 Cost . . **$21.00**

Heddon Solid Glass Spinning Rods

No. 470 - "Pal Spook"

Designed for casting lures in the ¼-ounce class, but will handle heavier and lighter lures excellently. For casting lures heavier than ¼-oz., the longer rod is better. Tip has graduated chrome spinning guides wound in beautiful silver gray silk. Detachable handle is 12-inches long Adjustable tapered reel seat band of polished aluminum. Serviceable cloth bag with reinforcing dowel for tip. Medium action only.

Length, Feet	5' - 8"	6' - 2"
Suggested Retail	$17.50	$17.50
Cost, Each	21.00	21.00

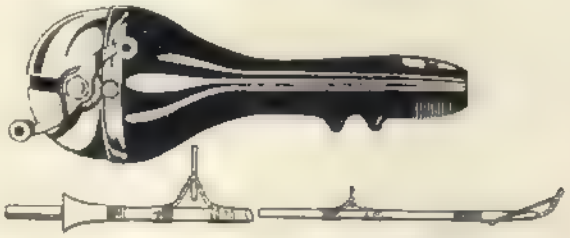
No. 362 Montague Spinning Rods

Tops in the low price field. Montague white solid glass spinning rod, one-piece detachable grip. Guides: Three graduated chromium plated spinning guides and off set spinning top. Butt: 12-inch solid shaped cork, socket type spinning grip with sliding bands and metal butt plate. Wound in two-color nylon. Nicely finished. Packed in cloth bag.

Length of tip 5 ft., 2 inches; 6 ft., 2 inches overall.

No. **362** Spinning Rods
Each . . . . Suggested Retail . . $6.95 Cost . . **$8.34**

Great Lakes Whirl Away Rod & Reel Combination

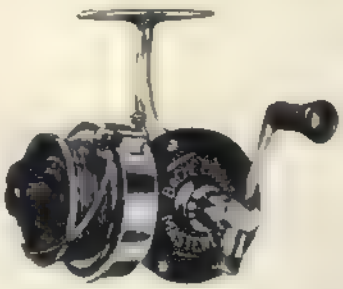


WHIRLAWAY REEL and finest quality Solid Fibreglas Shaft with 3 Stainless Steel Guides and Tip Top. Decorative Silk Wrappings and Aluminum Hosel.

No. **615½** Rod & Reel Combination
Each . . . . Suggested Retail . . $22.50 Cost . . **$27.00**

SPINNING REEL SECTION

Airex Spinning Mastereels



Mastereel is ideal for overgrown and bush streams. In spinning,' a cast can be made without backlash. Made with anti-reverse lock control preventing handle turning backwards when fish is pulling on line. Also affords free use of left hand to adjust brake control or to take net. Made from strong but light aluminum alloys; moving and working parts, monel metal, and stainless steel; oilite bronze bearings. Capacity 200 yards, 8 pound braided nylon line. Gear ratio 3.66 to 1. Weight 8 ounces.

No. **310** Spinning Mastereels
Each . . . . Suggested Retail . . $22.75 Cost . . **$27.30**

Bowman Tramp "Deluxe"

Cedar Strip

TRAMP "Deluxe" The fisherman's favored selection. Extra sturdy for extremely rugged use. Wide and deep to provide maximum safety. Nationally known and accepted by discriminating resort owners. There is no finer fishing boat.

Specifications

Model No.	2512	2514	2516
Length	12'	14'	16'
Beam	52"	54"	55"
Stern Width	48½"	48½"	50"
Stern Depth	17"	18"	18"
Amid Depth	21"	23"	23"
Bow Depth	24"	26"	26"
Deck Length	8"	8"	8"
Seats	3	3	4
Max. H.P.	16	25	25
Actual Weight	190	215	235
Shipping Weight	300	325	345
Suggested Retail	$259.50	$284.50	$309.50
Cost	**363.30**	**398.30**	**619.00**

F. O. B. Little Rock, Arkansas. Freight Rate 2½ Times First Class

Bowman Rogue "Supreme"

Cedar Strip

ROGUE "Supreme" Plenty of room for fishing yet snappy looking for water sports. Added eye appeal that only a beautiful, properly crowned, hand-rubbed deck can provide. Extra wide rear deck beam for attaching steering wheel. Handy storage space beneath deck.

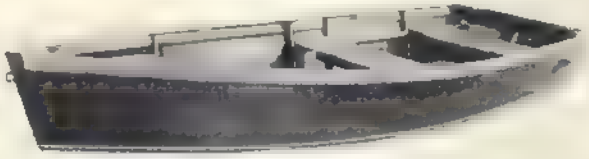
Specifications

Model No.	3512	3514	3516
Length	12'	14'	16'
Beam	52"	54"	55"
Stern Width	48½"	48½"	50"
Stern Depth	17"	18"	18"
Amid Depth	21"	23"	23"
Bow Depth	24"	26"	26"
Deck Length	46"	54"	66"
Seats	2	3	3
Max. H.P.	16	25	33
Actual Weight	200	225	245
Shipping Weight	310	335	360
Suggested Retail	$279.50	$304.50	$329.50
Cost	**391.30**	**426.30**	**461.30**

F. O. B. Little Rock, Arkansas. Freight Rate 2½ Times First Class.

Bowman Vagabond "Lightweight"

Plywood



VAGABOND "Lightweights" are made of 1/4" marine plywood with removable plywood floor racks. They are easy to handle for car top carriage and are ideal for the smaller lakes or quiet coves of the big lakes.

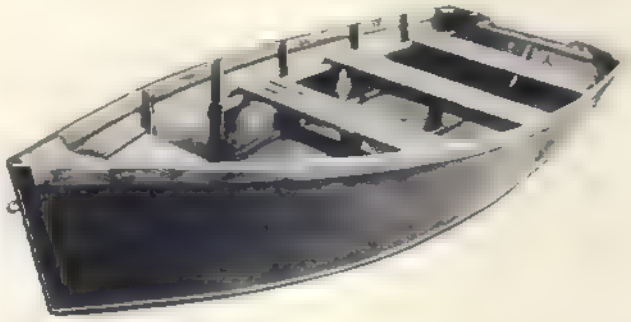
Specifications

Model No.	2012	2014
Length	12'	14'
Beam	43"	44"
Stern Width	37½"	39"
Stern Depth	14"	14"
Amid Depth	14"	14"
Bow Depth	15"	15"
Deck Length	8"	8"
Seats	3	4
Max. H.P.	5	7½
Actual Weight	85	105
Shipping Weight	130	150
Suggested Retail	$104.50	$117.50
Cost	**146.30**	**164.50**

F. O. B. Little Rock, Arkansas. Freight Rate 2½ Times First Class.

Bowman Resorter "Wide Beam"

Plywood



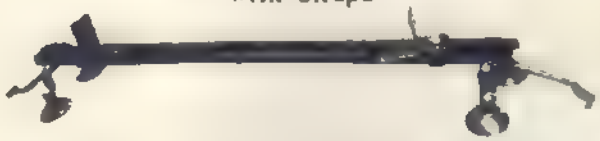
RESORTER "Wide Beam" models are for those demanding the supreme safety that only a large boat can offer. Well suited for fishing the big lakes. Extra wide transom for maximum stability. 1/4" sides and 3/8" marine plywood bottom and transom. Sturdy, unobstructed floor; easy to wash out and keep clean.

Specifications

Model No.	3012	3014	3016
Length	12'	14'	16'
Beam	50"	52"	52½"
Stern Width	48"	48½"	48½"
Stern Depth	16"	17"	17"
Amid Depth	17"	18"	18"
Bow Depth	18"	19½"	19½"
Deck Length	8"	8"	8"
Seats	3	4	4
Max. H.P.	7½	10	10
Actual Weight	95	125	155
Shipping Weight	145	175	200
Suggested Retail	$122.50	$144.50	$174.50
Cost	**171.50**	**202.30**	**244.30**

F. O. B. Little Rock, Arkansas. Freight Rate 2½ Times First Class

No. 100B Deluxe Boat Carrier With Straps



The following features of the Market Forge Auto Top Racks permit the carrying of heavier loads more securely:

1. **Steel Channel Construction**—The sides of the formed steel channels are folded, giving the carrier extra structural strength and eliminating rough edges.
2. **Adjustable Brackets**—Carriers are equipped with four sturdy brackets, shaped to fit the extreme outer curvature of any car (where top is strongest) and adjustable to various car widths.
3. **Large Suction Cups**—Each bracket is supported by two 3¼" diameter moulded rubber suction cups.
4. **Doubly Safe**—Four rubber coated hooks, attached to heavy coil springs are anchored in the eaves of the car.

Black baked-on enamel finish. Each set is packed individually; four to a master carton. Straps optional.

No. 100B Boat Carrier with straps
Each . . . . Suggested Retail . . $9.60 Cost . . **$11.52**

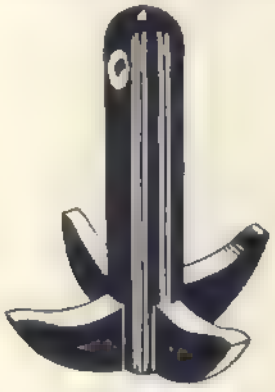
No. 102B Deluxe Wood Carrier With Straps

Extra heavy oak rails—all edges beveled—two coats of weather resistant varnish to make surface smooth and glossy. Support brackets and all other features are the same as Model 90.

Extra heavy web straps are furnished with carrier as standard equipment. All metal parts are finished in black baked-on enamel. Each set packed individually; five to a master carton.

No. 102B Wood Carrier with straps
Each . . . . Suggested Retail . . $14.00 Cost . . **$16.80**

Rubber Boat Anchors



Made of new, tough rubber, vulcanized under pressure, around and totally enclosing a metal weight. Eleven inches high, 10 inches wide, weight about seven pounds. Will not damage boat or car. No noise to scare fish or game. Will not roll in boat. Easily unhooked as rubber hooks will bend. For fishermen and hunters using small and medium sized boats.

Rubber Boat Anchors
Each . . . . Suggested Retail . . $5.95 Cost . . **$7.14**

Bowman "Frolic Super" Cedar Strip Boats

FROLIC "Super". A real eye catcher; unapproached in its price range for beauty of design and excellence of performance. Fore and mid-deck hand-rubbed to lustrous mirror-like finish. And for real comfort the stern seat is equipped with a folding seat back.

Specifications

Model No.	4512	4514	4516
Length	12'	14'	16'
Beam	52"	54"	55"
Stern Width	48½"	48½"	50"
Stern Depth	17"	18"	18"
Amid Depth	21"	23"	23"
Bow Depth	24"	26"	26"
Deck Length	46-10	54-12	66-12
Seats	2	3	3
Max. H. P.	16	25	33
Actual Weight	215	240	260
Shipping Weight	325	350	375
Suggested Retail	$324.50	$349.50	$379.50
Cost	**454.30**	**489.30**	**531.30**

F.O.B. Little Rock Arkansas. Freight Rate 2½ times First Class.

Bowman Rambler "Standard" Cedar Strip

RAMBLER "Standard" The economical choice of fishermen desiring a truly "safe" family boat. Seats are set extra high to eliminate the cramped legs often experienced on an all-day fishing trip.

Specifications

Model No.	1512	1514	1516
Length	12'	14'	16'
Beam	50"	51"	52"
Stern Width	47"	47"	47"
Stern Depth	16"	17"	17"
Amid Depth	19"	20"	21"
Bow Depth	21"	22"	23"
Deck Length	8"	8"	8"
Seats	4	3	4
Max. H. P.	12	16	16
Actual Weight	150	170	190
Shipping Weight	225	250	300
Suggested Retail	$224.50	$249.50	$274.50
Cost	**314.30**	**349.30**	**384.30**

F.O.B. Little Rock Arkansas. Freight Rate 2½ times First Class.

Jon-E' Hand Warmers

Will help keep hands warm on the coldest days. It is a practical necessity for all who work or play outdoors in cold weather.

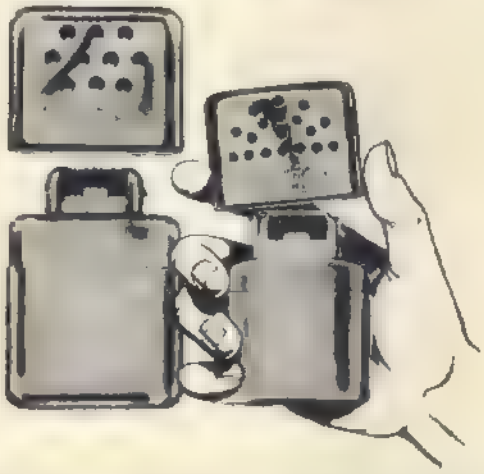
Size 3½ inches long by 2½ inches wide; chromium plated and correctly shaped to fit comfortably in the hand. It may also be carried in the mitten or pocket. Handy, soft flannel bag is included with each warmer. One filling lasts 24 hours.

Packed six to a counter display card in a shipping carton. Weight 2 lbs.

Jon-E Hand Warmers Each Sugg. Ret. $2.95 Cost $3.54

Extra Burners . . . . Each Sugg. Ret. $.50 Cost $.60

Giant Jon-E Hand Warmers



Beautifully chromium plated. Gives heat for 48 hours on each filling. Packed 6 to a carton with display card or in bulk. Fair-traded.

Giant Jon-E . . . . . Each Sugg. Ret. $4.95 Cost $5.94

"Extra Burner for Giant Jon-E Hand Warmers."

Jon-E' Fluid

The perfect fluid for the perfect warmer. Packaged in 8 oz. cans with convenient pouring spout. For a substitute use only "stove" gasoline. Do not use "white" gasoline, leaded gasoline or ordinary cigarette lighter fluids as they will not work. Also excellent for cigarette lighters. One dozen cans in a carton, wt., 7 lbs.

Jon-E Fluid Dozen . . . . Sugg. Ret. $5.40 Cost $4.48

Peterson's Original & Junior Hand Warmers

A real comfort while hunting, fishing, golfing, skiing or any outdoor activity during cold weather. Also for Military Forces. Temperature of 120° maintained from 16-24 hours by radiation. Pocket Warmer fluid, lighter fluid or white gas used as fuel. Metal Chrome finished with velvet pouch and measuring cup with pocket warmer.

"Extra elements interchangeable for both items."

Original Hand Warmers Each Sugg. Ret. $2.25 Cost $2.70
Junior Hand Warmers Each Sugg. Ret. $2.00 Cost $2.40
Extra Elements Each . . . . Sugg. Ret. $.37½ Cost $.46

Waterproof Match Boxes

Can be quickly opened and closed and is absolutely water and moisture proof. There is a rubber gasket in the cover.

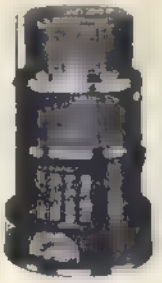
Made of seamless drawn brass heavily nickeled, ¾-inch inside diameter.

The ring allows box to be fastened to chain or belt-snap, and aids opening when hands are cold.

Packed one in a carton, half-dozen in a display box; weight per dozen 1 pound.

No. 181 Match Boxes Each Sugg. Ret. $.95 Cost $1.14

Sports Heater



A compact, lightweight heater. Clean combustion—no pumping or priming. Invaluable where a limited amount of heat would be welcome—for indoor or outdoor use. For cooking, remove cover and you have a one burner stove. One filling of kerosene lasts 12 hours. BTU output is 2400 per hour. Overall dimensions are 8¼x13½ inches high. Wt. each, 4 lbs.

Sports Heater . . . . . Each
Suggested Retail $11.95 Cost $16.00
Six in a Carton

Coleman Gasoline Camp Stoves

Instant Lighting—Standard Type

Portable, folding type, with removable fuel tank. Stainless steel burner rings. Sturdy, hinged grate, folding windshields and hand operated filler plug. Finished in Forest Green Baked enamel. Bronze fuel tank. Built-in pump.

No.	425	413-D
No. of Burners	2	2
Size, Folded, Inches	17-5/8 x 12 x 4¾	22½ x 13-3/8 x 5½
Fuel Tank Capacity, Pints	2½	3½
Weight, Lbs.	12	17
Suggested Retail	$11.95	$15.95
Cost	16.74	22.34

Streamlined Type

Rounded corners, and Slide-Away legs. Three burners, stainless steel burner rings and removable fuel tank. Top of stove can be used as tray. Built-in fuel pump.

Overall size, folded, 25⅝x14x 6⅛ inches; weight 25 lbs.; fuel tank capacity, 3½ pts.

No. 426 Coleman Camp Stoves
Each . . . . Suggested Retail . . $22.50 Cost . . $23.20

Coleman Camp Stove Stands

Compact, all steel, folding type. For use with all Coleman camp stoves and stoves of similar type. Sturdy rigid locking steel joints. Folded size, 2½x2x26⅛ in. Packed individually, weight 8⅓ lbs.

No. 10 Camp Stove Stands
Each . . . . Suggested Retail . . . $4.45 Cost . . . $6.24

Para Waterproofed Wall Tents

Strongly constructed with double stitched seams, thoroughly reinforced throughout.

Sizes listed are cut sizes before seaming and hemming. Higrade 10 and 12 ounce Canvas duck.

Furnished complete with all necessary ropes, slides and stakes. All tents listed are thoroughly waterproofed, not surface treated. Laboratory tests show that strength of material is increased to 10% over non waterproofed canvas.

Packed and shipped direct from factory at St. Louis.

Ten Ounce Canvas Duck

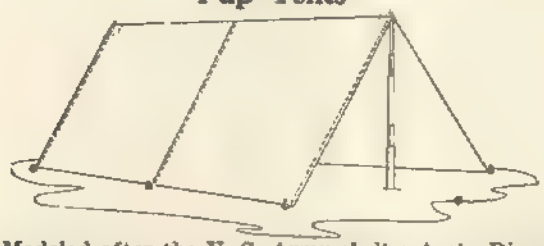
Size Feet	Wall Ht., Feet	Center Ht. Feet	Wt. Lbs., Each	Each
7 x 7	3	6	25	
7 x 9	3	6	28	
8 x10	3	6½	33	Market
9½x12	3	6½	46	
12 x14	3½	7	62	Prices
14 x16	4	8	80	
16 x20	5	9	120	

Twelve Ounce Canvas Duck

Size Feet	Wall Ht., Feet	Center Ht. Feet	Wt. Lbs., Each	Each
7 x 7	3	6	30	
7 x 9	3	6	35	
8 x10	3	6½	40	Market
9½x12	3	6¼	55	
12 x14	3½	7	74	Prices
14 x16	4	8	97	
16 x20	5	9	146	

Write for Prices. Factory Shipment Only

Pup Tents



Modeled after the U. S. Army shelter tent. Dimensions, 6x5 ft., 3 ft. 8 in. high. For Boy Scouts and hikers, or can be used as a play tent on the lawn. Waterproofed and mildewproofed khaki material. Supported by two round hardwood poles. Back is closed, front open. Weight, 6 lbs.

No. 1100 Pup Tent ..... Market Price

Canvas Kid Farm Tarps

7.45 Oz. S.F. Duck - Packaged

Insured construction; water repellent and mildew resistant treated; double-locking spur-type grommets, six thicknesses of canvas at every grommet; extra strength, hems all 4 sides.

No.	1	2	3	4A	5
Size, Feet	6x8	8x10	10x12	12x14	12x16
Each	Market Prices				

Individually Packaged

Eagle Farm and Truck Tarps

Farm tarps in Khaki color. Truck tarps are green. Double sewed at seams, hems and corners. Eyelets are anchored against rope bound against all edges of tarp. Pulling strain is on rope, off the canvas. This prevents rips and tears from starting and provides, double extra strength. Tarps are pure paraffin base weather proofed.

Individually packed in display carton. Dimensions are cut sizes before seaming and hemming.

No.	Size Feet	Each	No.	Size Feet	Each
1	6x 8	7.80	5	12x16	
2	8x10	Market	6	12x18	Market
3	10x12	Prices	8	18x24	Prices
4	10x12		10	20x20	
4½	10x16	34.00	..	.....	....

Kanvaskote

A high grade waterproofing for tents, canvas, tarpaulins, duck, awnings, etc. Contains no ochre, silica, whiting or other adulterants. Prevents mildew and will not make cloth hard or stiff in coldest weather or sticky and gummy when warm. One gallon covers from 100 to 150 square feet. Easily mixed and applied with a brush. A package makes one gallon. Half dozen in a counter display case. Transparent. Weight per dozen, 15 lbs. per Doz. 9.00

No. 80 Winner Soft Ball Bats

Turned from Ash or Hickory and finished in Dark Brown. Branded in center with word "League" on end. One dozen in a carton with lengths ranging from 31 to 34 inches. Wt., 24 pounds per dozen.

No. **80** Soft Ball Bats..... per Dozen **$8.20**

Hanna Soft Ball Bats

Model SS

Made of selected Ash and Hickory. Assorted black and golden finishes. Barrel diameter, 2⅛ inches with diamond taping. Assorted lengths, 33-34 inches. Wt., ... lbs.

No. **SS** Soft Ball Bats..... per Dozen **$44.00**

Model TSB

Made of select Ash, Hickory or Beaverwood. Maroon finish with perforated cork grip. Assorted models and lengths 33-34 inches. Wt., ... lbs.

No. **TSB** Soft Ball Bats..... per Dozen **$42.40**

Model SSB-5

Special grey finish. Made of Ash, Hickory or Beaverwood. Special short length, easy swing model. Lengths, 31 and 32 inches assorted. Wt., ... lbs.

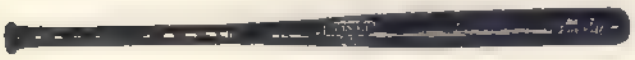
No. **SSB-5** Soft Ball Bats..... per Dozen **$35.00**

Hanna Soft Ball Bats

Model SB-1

Made of Ash, Beaverwood or Hickory. Brown finish with spaced white tape grip. Assorted lengths, 33-34 inches. Wt., ... lbs. per dozen.

No. **SB-1** Soft Ball Bats . . . per Dozen **$27.00**



Model LDS

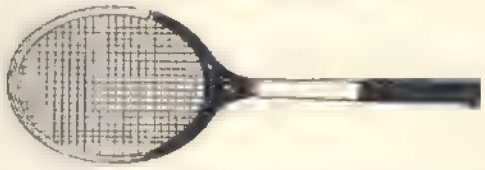
Made of Ash, Hickory or Beaverwood. Dark brown finish. Assorted models and lengths. Tape grip.

No. **LDS** Soft Ball Bats..... per Dozen **$20.00**

Above Soft Ball Bats packed one dozen per carton.

Cortland Tennis Rackets

Spitfire - Strung with Nylon

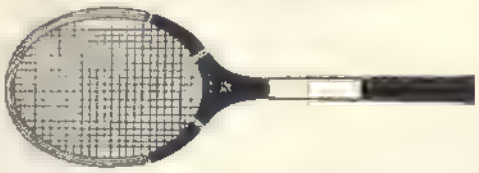


Beginner's light weight racket. Square bow, 7 ply laminated hardwood frame with red laminations. Red throat. Trim, one each shoulder and one at throat. Finish all over clear lacquer. Black Holdwell grip. **Weights, light only, 11½ ounces.**

No. **2005-400** Tennis Rackets Cost Each **$9.10**
Packed Individually

Cortland Tennis Rackets

Monarch - Strung with Nylon

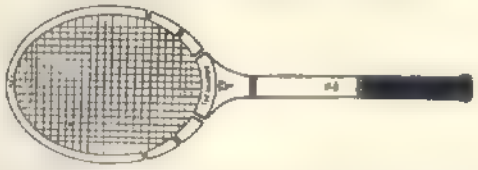


8 ply laminated hardwood frame. Fully beveled with 2 black fibre laminations. Red enameled throat and shoulders. White enameled shaft. Bow natural finish. Two trims each shoulder and one at throat. Black Holdwell grip. **Weights, light and medium only; specify weight desired.**

No. **2025-400** Tennis Rackets Cost Each **$11.90**
Packed Individually

Cortland Tennis Rackets

Streamline - Strung with Nylon

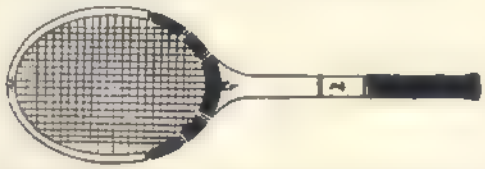


Custom built 8 ply laminated ash frame with one red and two blue laminations. White full crescent overlay. Blue fibre throat reinforcement. Natural finish bow and shaft. Three trims each shoulder, one on throat. Moisture proof blue skived plastic grip. **Weights, light, medium and heavy; specify weight desired.**

No. **2045-400** Tennis Rackets Cost Each **$15.00**
Packed Individually

Cortland Tennis Rackets

Champion - Strung with Nylon



Custom built 9 ply laminated ash frame with two red, one black and one white laminations. Red full crescent overlay. White fibre throat reinforcement extending full length of shaft under short handle pallet. Three trims each shoulder, one on shaft. Overwrapped perforated tan calfskin grip. **Weights, light, medium and heavy; specify Weight desired.**

No. **2065-400** Tennis Rackets Cost Each **$16.20**
Packed Individually

Only CORTLAND Gives you RF (Radio Frequency) Bonded Rackets

Pennsylvania Tennis Balls

Keystone DeLuxe

Two-piece rubber center, plugless. Finely balanced. Thick gauge. Patented V-type seam. Center is coated within with special substance to retain more efficiently the gas contents of the ball.

Approved by the United States Lawn Tennis Association for Championship and Tournament playing. Pressure packed, 3 to can.

Pennsylvania Keystone Tennis Balls Per doz. Cost . . **$13.50**

Wright & Ditson Tennis Balls

Championship—Two-Piece

Air inflated and vulcanized under unvarying automatic machine pressure. Liveliest and most controllable Championship ball put into play. The tough cover wears rough instead of smooth, thus maintaining high controllability throughout its long service. Played in National Championships for 47 straight years. Hermetically sealed and pressure packed in 3-ball cans, guaranteeing freshness and liveliness.

No. **20** Championship, White Cover Tennis Balls
Per dozen . . . . . Cost . . **$13.50**

Tennis Racket Presses

Triangular style frame built of kiln dried, clear hardwood. Fitted with fast thread bolts, wing nuts, washers and springs. Hardware is cadmium plated—will not rust or discolor. All bolt tops flattened to prevent wing nuts from coming off.

Packed 36 in carton; weight 50 lbs.

No. **173** Racket Presses
Each . . . . . Cost . . **$1.50**

Tennis and Volley Ball Nets

No. **221BT** Double court, 42x3 ft.; finest grade 21-thread twine, with cotton cord top and bottom, bound at top with light canvas. . .Each Cost **$31.20**
No. **215B** Double court, 42x3 ft.; 15-thread twine; otherwise the same as No. 221BT . .Each Cost **$17.30**
No. **615B** 36x3 ft.; otherwise the same as No. 215B
Each . . . . . Cost . . **$19.60**
No. **712** 27x3 ft.; 12-thread twine; can be used for volley ball Each. . . . . Cost . . **$7.70**

Tennis Court Markers

Dry Model

Large wire handle and rotating disc for marking dirt or grass courts. Sturdy construction. Uses marble dust, air-slacked lime, ground plaster or plaster of paris. Whiting mixture held in wheel type drum.

Individually packed.

No. **109** Tennis Court Markers
Each . . . . . Cost . . **$5.00**

Wet Model

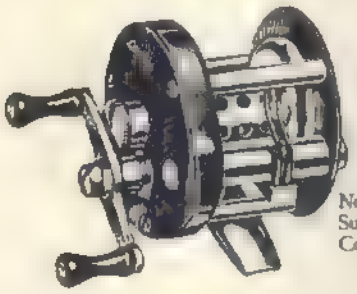
Holds sufficient solution for marking one or two courts. Designed and built for complete ease of operation and economy. Finger tip control gives instantaneous fluid release and cut-off. Three wheels set up proper spacing providing ease and straight line operation at all times.

Mesh screen affords thorough straining of solution before entering marker and eliminating ant clogging and uneven marking of courts.

Capacity, 2½ gallons.

No. **146** Tennis Court Markers . . . . . Each . . Cost . . **$31.50**

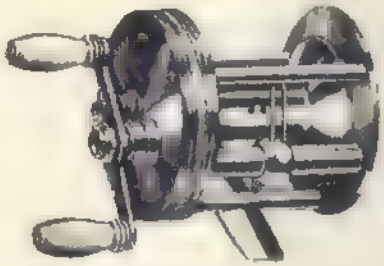
Langley "Shorty" Casting Reel



Narrow spool level wind reel, shell-shaped housing, black alumilite finish.

No. 505 Casting Reels
Suggested Retail . . $6.80
Cost (Each) 5.16

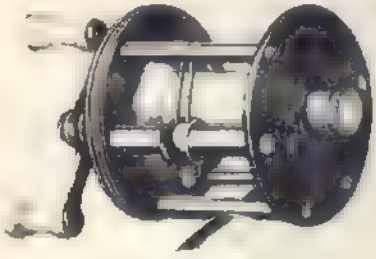
No. 60C Coxe Reels



Level winding bait casting reel with cross bolt construction for anti-backlash. Feather weight aluminum spool, smooth action thumb drag, adjustable click, quadruple multiplying, with 100-yard line capacity are features. End plate dia., 2¼ in.; spool dia., 1½ in.; pillar length, 1¾ inches. Net wt. each, 8 oz.

No. 60C Coxe Reels
Each . . . Suggested Retail . . . $11.00 Cost . . . $13.20

No. 95C Coxe Reels

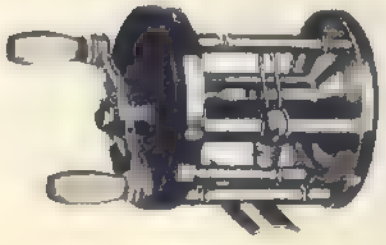


Feather weight model level winding bait casting reel, made of black anodized aluminum. Has spring tension spool bearing on tail plate, adjustable to weight of lure to eliminate backlash. Snap-on plastic spool arbor. Quadruple multiplying with new silent spira 4 twin gears. 100-yard capacity. Weight, 4½ oz

No. 95C Coxe Reels
Each . . . Suggested Retail . . . $9.75 Cost . . . $11.70

No. 25-C Coxe Casting Reels

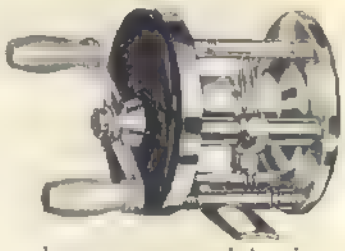
"Coronet"



Light, quiet and smooth casting reel with automatic free spool. All aluminum head ring, tail ring and crankplate. Cross bolt design permits spool to revolve around sturdy, stationary axle. Permits quick, easy cleaning and insures perfect alignment. Phosphor bronze gears and bearings, quadruple multiplying with 100 yard line capacity, 15-lb. test. Extra level-winding pawl on inside surface of head cap. Enclosed in a formed top-grain cowhide case. Weight, 4 7/8 oz

No. 25C Casting Reels
Each . . . Suggested Retail . . . $33.00 Cost . . . $39.60

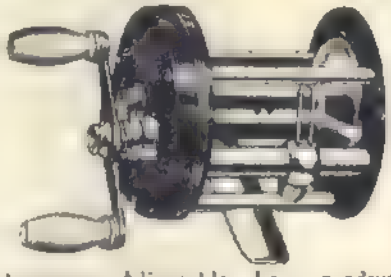
J. A. Coxe Coronet



A narrow-spool version of the 25-C, designed for light plugs and tournament casting. Runs free-handles do not turn during cast. Less weight at start—less overrunning and backlashes at end. Aluminum head ring, tail ring, crankplate, and spool. Phosphor bronze gears and bearings. 50-yard capacity. Weight: 4½ ounces.

No. 25N Casting Reels
Each . . . Suggested Retail . . . $33.00 Cost . . . $39.60

No. 30-C Coxe Casting Reels



Lightweight, fast running reel in brilliant maroon anodized aluminum. Has the all-aluminum one-piece Coxe spool. Coxe cross-bolt construction provides effortless distance casting with amazing non-backlash protection. Phosphor bronze bearings. Adjustable drag, quadruple-multiplying with 100-yard line capacity. Weight, 5¼ oz.

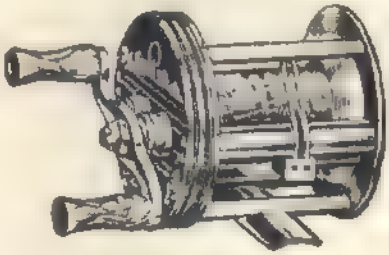
No. 30C Casting Reels
Each . . . Suggested Retail . . . $12.50 Cost . . . $15.00

No. 4250 Bronson Altoona Reels

Sturdily built. A full quadruple level winding reel, constructed with walnut bakelite head and tail plates, having tapered crank handle grips to match. Metal parts nickel-plated, with three piece take-down construction. 100 yard line capacity; new improved click. Wt., 7 oz.

No. 4250 Reels
Each . . . Suggested Retail . . . $2.95 Cost . . . $3.54

No. 2550 Bronson Mercury Reels



Mercury bait-casting model. 100 yard line capacity. Chromium plated brass. Light weight aluminum spool and plastic arbor. Level winding reel with adjustable click and dua-Pawl. Two spiral and two spur gears are used. Pillared rod clip construction. Wt. each, 8 oz.

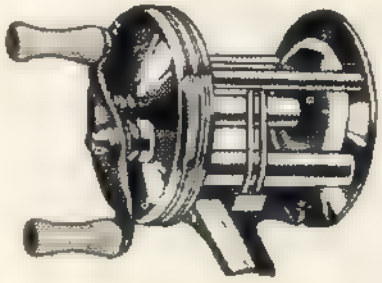
No. 2550 Reels
Each . . . Suggested Retail . . . $6.95 Cost . . . $8.34

No. 4400 Bronson Arrow Jr. Reels

Single action all metal, casting rod reel for the youngster. 80-yard line capacity. Sturdy enough to stand up under abuse.

No. **4400** Reels
Each . . . Suggested Retail . . **$.60** Cost . . **$.72**

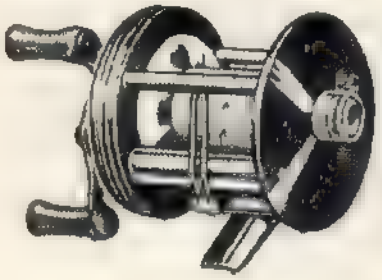
No. 2475 Bronson Fleetwing Casting Reels



A full size 100 yard capacity, level winding reel built in accordance with Bronson original three-piece construction. Chrome plated throughout. Adjustable drag eliminates backlash. Duo-Pawl incorporated in this reel. Two spiral and two spur gears. Adjustable click. Weight 8 oz.

No. **2475** Casting Reels
Each . . . . Suggested Retail . . **$4.95** Cost . . **$5.94**

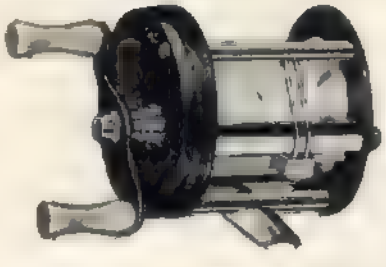
No. 2200 Bronson Green Hornet Casting Reels



A lightweight reel at low price. Green anodized aluminum head cap and tail plate. New lightweight spool with snap-on plastic arbor. Duo-Pawl, Quadruple multiplying. Adjustable click and 100 yard line capacity. Adjustable drag eliminates backlash. Wt. 8 oz.

No. **2200** Casting Reels
Each . . . . Suggested Retail . . **$5.95** Cost . . **$7.14**

Bronson Lashless Casting Reel



A lightweight version of the popular Bronson Lashless 1700, this reel is at all-new model. Finished in green anodized aluminum—weight only 4¾ ounces. Equipped with Drag Tension bearing adjustment and Bronson Duo-Pawl. Bronson snap-on plastic arbor. 100-yard line capacity.

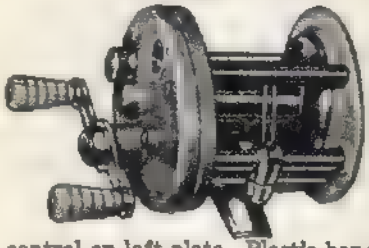
No. **1710** Casting Reels
Each . . . . Suggested Retail . . **$7.95** Cost . . **$9.54**

Lawrence Stuart Reel

Black Bakelite side plates and contrasting pearl-white handle knobs. Brass level wind and brass streamlined carriage—a really smooth-running level wind mechanism. Quiet-running gears. Cork Arbor. All metal parts bright nickel plated. Easy take down construction. Adjustable click. Quadruple multiplying. 100-yard capacity. Each reel tissue-wrapped, in unusually attractive box. Packing 6 dozen carton—weight 35 lbs.

No. **500R** Reels
Each . . . Suggested Retail . . **$2.75** Cost . . **$3.30**

No. 1950 Ocean City Reels

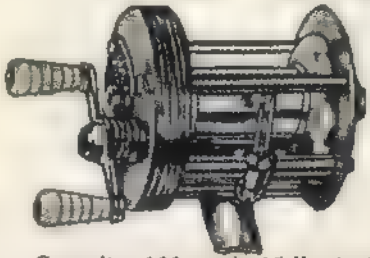


Calibrated backlash control wheel. Streamlined and exceptionally light weight of Zephaloy plastic. Improved level wind mechanism. Oilite self-lubricating bearings. Handy click control on left plate. Plastic handle knobs.

Capacity 100 yards 15 lb., test line. Plate diameter 2 inches, pillar length 1⅛ inches. Weight 6 ounces.

No. **1950** Reels
Each . . . Suggested Retail . . **$12.50** Cost . . **$15.00**

No. 1850 Ocean City Reels



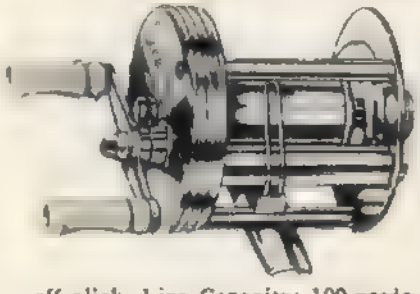
Level wind, lightweight bait casting reel. Smoothkaster control to prevent over-run.

Well cut gears with Oilite bearings. Click button on left sideplate. Plastic handle knobs. Gun metal finish.

Capacity, 100 yards 15 lb., test line. Plate diameter 2⅛ inches; pillar length 1⅛ inches. Wt., 6 oz. Individually packed.

No. **1850** Reels
Each . . . Suggested Retail . . **$9.95** Cost . . **$11.94**

Ocean City Level-Wind Reel



"1800" Level-Wind Reel—This brass model is beautifully finished and heavily chrome-plated. Has lightweight Zephaloy spool with large arbor; anti-backlash control. Self-lubricating bearings. On-off click. Line Capacity: 100 yards, 15-pound test silk or nylon; Gear Ratio: 4 to 1; Plate Diameter: 2-3/16"; Pillar Length: 1-25/32"; Weight 8 ounces.

No. **1800** Wind Reel
Each . . . Suggested Retail . . **$7.95** Cost . . **$9.54**

Evans "Screwball" Panfish Popping Bug

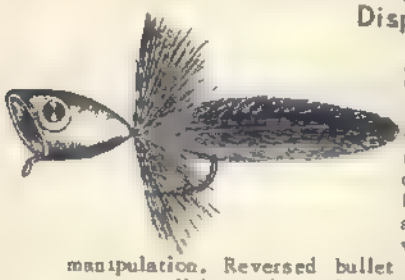
A neat, trim little cork body popper, designed especially for Panfish and Trout. Made with smooth, glistening enameled bodies and dressed with natural untrimmed hackle skirt and streamer tail. The ideal floating fly rod bug for bluegills (bream) crappies and other types of panfish. Trout, too, really fall for this little "Screwball". Assortment pack has two bugs each pattern:

Pattern No.	Body	Hackle	Streamers
0997WBW	White	Black	White
0997WR	White	Red	Red
0997RHW	Red Head-White	White	White
0997Y	Yellow	Yellow	Yellow
0997YBY	Yellow	Black	Yellow
0997BWB	Black	White	Black

Packed: 12 on easel card, one card to box. Patterns assorted as above. Approximate weight, per assmt. 6 oz.

No. 0997 All size 10 Sugg. Ret. . $3.60 Cost . . $4.32
No. 0997 All size 12 Sugg. Ret. . $3.60 Cost . . $4.32
No. 0997 All size 14 Sugg. Ret. . $3.60 Cost . . $4.32
Asst. . . Suggested Retail . . $3.60 . . . Cost . . . $4.32

Evans "Pioneer" Popping Bug Display Card Pack



Designed in the style often referred to as a "surface minnow", the Pioneer Popper is considered by many fishermen as a "must". It casts easily, floats perfectly, and will "pop" and otherwise perform with the slightest line manipulation. Reversed bullet shape body with face set at a slight angle to the surface. Carefully dressed with natural untrimmed hackle skirt and streamers. Assortment has 2 bugs each of the following patterns:

Pattern No.	Body	Hackle	Streamers
0996WBW	White	Black	White
0996WR	White	Red	Red
0996RHW	Red Head-White	White	White
0996Y	Yellow	Yellow	Yellow
0996YBY	Yellow	Black	Yellow
0996BWB	Black	White	Black

Packed: 12 bugs on easel card, one card to box. Patterns assorted as above. Approx. weight per assmt. 6 ounces

No. 0996 All size 1 Sugg. Ret. . . $6.00 Cost . . $7.20
No. 0996 All size 6 Sugg. Ret. . . $4.20 Cost . . $5.04
No. 0996 All size 8 Sugg. Ret. . . $4.20 Cost . . $5.04
No. 0996 All size 10 Sugg. Ret. . . $4.20 Cost . . $5.04

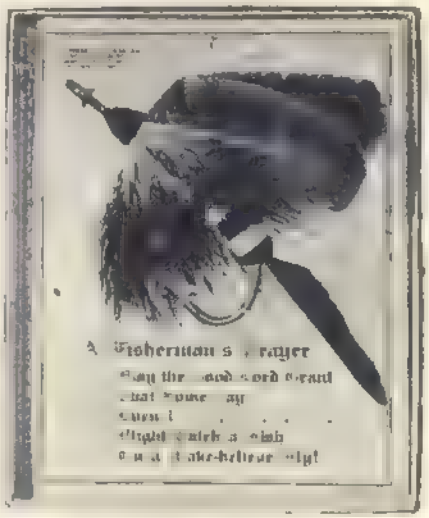
No. RDS Evans Revolving Display Stands

Holds six of the display card assortment on bugs and flies, as well as special display cards made up to your specifications, on Leaders, Nylon, Snelled Hooks, etc. Six cards go on the fixture - four additional cards for fill-in requirement.

Stand requires less than a a square foot of counter space All metal construction. Display fixture is made of tempered wire, spot welded, bright aluminum finish. Handle on top. Cards are held in place by hooks, yet replacement card can be instantly slipped into place. **Display Stand is furnished free with order for any ten of the standard Display Cards.** Approx. wt. of Stand, 4-lbs.

No. RDS revolving display stands, without merchandise, Each . . Suggested Retail . . $2.75 . . . Cost . . . $3.30

"A Fisherman's Prayer"



Size 16/0 oversized display fly, individually mounted on 2-color display panel. Designed as a resale item, as a gift or novelty, rather than an advertising medium. Background card is lacquered to prevent soiling, finger marks, etc.

Supplied in six stock patterns, as follows: Ibis, McGinty, Parmachene Belle, Yellow Sally, Silver Doctor, Montreal.

Shipping weight, each—approx. 7 ounces

Each . . Suggested Retail . . $1.75 . . . Cost . . . $2.10

Jeff's Original Fly Rod Lures

JEFF'S ORIGINAL
LARGE GRUB WORM
Hook Size No. 2
Mustad Kirby
T.D.E.

Display Card Mounting

True reproductions of Nature in live rubber. Authentically colored, microscopically scaled. Can be used for pole and line fishing. Actual size. All lures are mounted 12 of one kind per display card. Weight 2¾ oz. per dozen.

No.	Type of Lure	Hook Size No.
1	Green Nymph Grasshopper	8
4	Large Grub Worm	9
6	Hellgamite, Carlisle Hook	8
7	Midget Frog, Aberdeen Hook	8
8	Brown Nymph Grasshopper	8
9	Midget Crawfish, Aberdeen Hook	8
10	Small Grub Worm	8
12	Black Cricket	8

No. 167 Jeff's Origional Lures . . . . . Per Card
Suggested Retail . . . . . $4.20 Cost **$5.10**

No. 167 Assorted. Assortment consists of: No. 1, Green Nymph Grasshopper; No. 6, Helgramite, No. 7, Midget Frog. One dozen on display card (1/3 dozen each of the above patterns).

Asst. . . Suggested Retail . . $4.20 . . . Cost . . . **$5.10**

Evans T. P. Sr. Cork Bug Assortments

(Top-Popper-Senior)

A bass size surface bug of the conventional "crippled minnow" design. Made with nicely tapered body and cupped "popping" face. Heavy hackle dressing with natural "V" curved hackle streamer tails. Finished with glistening enamel in brilliant colors with extra large two-color eyes at head. Six patterns:

984BY Black head and hackle, yellow tail.
984WB White head, Black hackle, red tail.
984BR Yellow head, brown hackle, red tail.
984YR Yellow head and hackle, red tail.
984RW Red head, white hackle, red tail.
984W All white

Assorted, two each of the listed patterns, mounted on a 5x11 inch easel display card.

No. **0984-1/0** Assortment; All size 1/0 hooks,
Each . . Suggested Retail . . $6.00 . . . Cost . . . **$7.20**
No. **0984-1** Assortment; All size 1 hooks,
Each . . Suggested Retail . . $6.00 . . . Cost . . . **$7.20**

Evans C. P. Cork Bug Assortments

(Craft-Popper)

Designed in the shape often referred to as the "surface minnow" Cast easily and floats perfectly and can be made to pop. Reverse bullet shape body with cap face. Bodies of all patterns are smoothly finished in White Luster Pearl. Six patterns:

985BR Black hackle, red tail
985W All white
985BY Black hackle, yellow tail
985WR White hackle, red tail
985Y Yellow hackle, and tail
985GR Mixed green and yellow h. &t

Assortment consists of one doz.; two each of the above six patterns, mounted on a 5x11 easel display card.

No. **0985-1/0** Assortment; All size 1/0 hooks
No. **0985-1** Assortment; All size 1 hooks

Each . . . . Suggested Retail . . $7.20 Cost . . **$8.64**

Evans "Seducer" Fly Spinner Display Card Asst.

A fly and spinner unit with the fly hook rigidly attached to the spinner shaft, so that a small Nickel propeller blade revolves right at the fly head. The unit is completely assembled and fly patterns cannot be changed.

Packed: On individual cards, 12 cards stapled to easel display card. Standard assortment has 2 each pattern:

Royal Coachman	Yellow Sally
Grey Hackle Peacock	McGinty
Black Gnat	Brown Hackle Peacock

No. **0961** All size 8
No. **0961** All size 10
Asst. . . Suggested Retail . . $4.80 . . . Cost . . . **$5.76**

Evans Corker Popping Frog Assortment

Nicely tapered cork body with full hook clearance. Heads are deeply cupped and make a distinct popping noise when bug is retreaved with short jerks of the line.

Thick bucktail legs are tied in a fixed "V" shape to give greater surface disturbance. Frog green body with black and yellow spots; red mouth green and yellow bucktail legs. Easel card holds one dozen lures. Card size, 5x11 inches.

Trout and Panfish Sizes

No. **0979JR-4**, Asst.: all size 4 hooks, Each, Sugg. Ret. .$4.80 Cost . . **$5.76**
No. **0979JR-6**, Asst.; all size 6 hooks, Each, Sugg. Ret. .$4.80 Cost . . **$5.76**

Evans "Top-Walker" Popping Bugs Display Card Pack

Designed in the style often referred to as a "surface Minnow", the Top-Walker Popper is considered by many fishermen as a "must". It casts easily, floats perfectly, and will "pop" and otherwise perform with the slightest line manipulation. Reversed bullet shape body with face set at a slight angle to the surface. Carefully dressed with natural untrimmed hackle skirt and streamers and rubber actionized legs. Assortment has 2 bugs each of the following patterns:

Pattern No.	Body	Hackle	Streamers
0995WBW	White	Black	White
0995WR	White	Red	Red
0995RHW	Red Head-White	White	White
0995Y	Yellow	Yellow	Yellow
0995YBY	Yellow	Black	Yellow
0995BWB	Black	White	Black

Sizes Stocked: 4 - 6 - 8

Packed: 12 on easel card, one card to box. Patterns assorted as above. Approx. weight, per assmt. 6 ounces

No. **0995** All size 6
Suggested Retail . . $4.80 Cost **$5.76**
No. **0995** All size 8
Suggested Retail . . . $4.80 Cost . . . **$5.76**
No. **0995** All size 10
Suggested Retail . . . $4.80 Cost . . . **$5.76**

Evans Spinner Streamer Display

A combination of the popular "Standard" shape Nickel Spinner (with quick-change sleeve) and a ringed eye "feather-minnow" type streamer fly. Light in weight and easy to cast with even the lightest fly rod outfit and a sure killer in either fast or still water. Ideal for trout, panfish or bass. Fly patterns are assorted in each dozen. Stocked in Size 1.

Packed: One Fly Spinner in cellophane envelope with 2-color card insert. 12 spinners stapled to display card, one display card to box.

OS50

Each . . Suggested Retail . . $3.60 . . . Cost . . . **$4.32**

Arbogast's Hula Dancer Baits

For Casting—Plastic Body

Open water bait. A sinking lure that runs medium depth. For all game fish. Has small skirt. Has two No. 2 Treble hooks. Length, 2 inches. Weight, ⅝ oz. Packed six baits of one kind in a carton. Weight per carton, ½ lb.

No.	Body Color	No.	Body Color
800R	Red Head	805P	Perch
801F	Frog	806PL	Pearl
802B	Black	811BH	Black Herringbone
803Y	Yellow		
804S	Scale	812PLH	Pearl Herringbone

No. 815A—Consists of assortment of 6 Baits in carton. Wt., 6 oz.

Arbogast's Hula Dancers
Per doz. . . . . Suggested Retail . . $15.00 Cost . . $18.00

Arbogast's Hula Skirts

Rubber—Large Type

For use with No. 1, No. 1½, No. 2, and No. 2½ Hawaiian Wigglers. More action and color than bucktails, feathers or pork rind. Choice of 11 colors. Skirt attached regular style makes a slender crippled minnow bait. On backwards makes a short wide lure with violent action. Length, 3½ inches. Weight per carton, 2 oz. Packed 12 of a kind in a carton.

No.	Body Color	No.	Body Color
4000	Red	4006	Black and White
4001	White	4007	Red and Yellow
4002	Black	4008	Black and Yellow
4003	Yellow	4009	Black and Red
4004	Red and Yellow	4010	Green and White
4005	Yellow and White	4015	.....

No. 4015—Consists of assortment of 12 Baits in carton. Weight 2 oz.

Arbogast's Hula Skirts
Per doz. . . . . Suggested Retail . . $3.36 Cost . . $4.03

Arbogast's Hula Skirts

Rubber—Small Type

Small size Hula Skirts, 20 tails. For ⅝ oz. Casting Hula Popper, Hula Dancer, No. 3 Hawaiian Wiggler, Hula Spinner, and Fly Rod Hula Popper. Length, 2½ inches. Packed 12 to a carton. Weight, 2 oz.

No.	Body Color	No.	Body Color
2000	Red	2006	Black and White
2001	White	2007	Red and Yellow
2002	Black	2008	Black and Yellow
2003	Yellow	2009	Black and Red
2004	Red and White	2010	Green and White
2005	Yellow and White	2015	.....

No. 2015—Consists of assortment of 12 Baits in carton. Weight, 2 oz.

Arbogast's Hula Skirts
Per doz. . . . . Suggested Retail . . $2.04 Cost . . $2.45

Arbogast's Hula Spinner Bait

For Fly Rods—Plastic Head

Steady retrieve or jerk makes this bait act alive in the water. Takes bass and pan fish. Adding small light casting weight to spinner shaft eye or No. 4 or No. 6 buck shot to bend of the hook, makes it an ideal spinning lure. Equipped with small skirt. Weight ⅛ oz. Length, 2¼ inches. No. 1/0 Hook. Packed 12 to the carton. Weight, 6 oz.

No. 1100R Red
No. 1109G Green
No. 1102B Black
No. 1103Y Yellow

No. 1115A—Consists of assortment of 12 Baits in carton. Weight, 6 oz.

Arbogast's Hula Spinner Bait
Per doz. . . . . Suggested Retail . . $9.00 Cost . . $10.80

Arbogast Hula Poppers

Casting Size ⅝ oz.

Top water lure for bass. Floats when at rest. Equipped with one No. 1 and one No. 2 Treble hook. Length, 2¼ inches. Weight, ⅝ oz. Packed six of a kind per carton. Weight per carton, ½ lb.

Colors:

750R Red Head	753Y Yellow
751F Frog	756PL Pearl
752B Black	757L Luminous

5/8 Ounce Hula Poppers
Per doz. . . . . Suggested Retail . . $15.00 Cost . . $18.00

1/4 Ounce Size - For Light Tackle and Spinning

Has the same action as the 5/8 oz. size Can be plunked, popped, twitched and jerked. When at rest, Hula skirts live, squirming action attracts big Bass and other game fish. Equipped with small skirt. Length, 1⅝ inches. One No. 3 Treble hook. Packed six baits in a carton, wt. ½ pounds.

770R Red Head	772B Black	776PL Pearl
771F Frog	773Y Yellow	775A Assorted

1/4 Once Hula Poppers
Per Doz. . . Suggested Retail . . . $15.00 Cost . . $18.00

Arbogast "Hula Diver"

⅝ oz. Choice 7 body colors

You control amazing new wiggling action by speed of retrieve. Sinks slowly at rest. You control running depth by length of cast and sinking time allowed. Red-hot open-water bait for Bass, Walleyes, and other game fish. Ideal for trolling.

900R	Red Head	904S	Scale
901F	Frog	905P	Perch
902B	Black	906PL	Pearl
903Y	Yellow	915	Assorted

Arbogast Hula Divers
Per doz. . . . . Suggested Retail . . $15.00 Cost . . $18.00

Arbogast's Hawaiian Wigglers

Single Spinner—For Casting

For use in lily pads and rocks. Will not snag up. For Small Mouth Bass and Wall-Eyes. Large rubber skirt with 40 tails. Wt., ⅝ oz. Packed six baits of one kind to a carton.

No. 1 Deep Runner—With 3/0 Hook—Length 4 Inches

No. . . .	100SR	102SB	103SY
Color . .	Red	Black	Yellow
No. . . .	106SPL		109SG
Color . .	Pearl		Green

No. 1½ Medium Runner—With 3/0 Hook—Length 4½ Inches

No. . . .	150SRG		152SB
Color . .	Red & Green		Black
No. . . .	153SY		156SPL
Color . .	Yellow		Pearl

No. 2 Shallow Runner—With 3/0 Hook—Reversing Skirt—Length 4¼ Inches

No. . . .	200SRG	202SB	203SY	206SPL
Color . .	Red & Green	Black	Yellow	Pearl

1/4 Oz. For Light Tackle and Spinning

This new, deep running number has the same action and weedless characteristics as the No. 1, 5/8 ounce. Equipped with a small skirt. Length, 3¾ inches. No. 2/0 hook. Packed six baits to a carton; shipping wt., ½ lb.

Colors

130SR Red	133SY Yellow	133SG Green
132SB Black	136SPL Pearl	145SA Assorted

No. 1 ¼ oz. Single Spinner

Shallow running member of the Hawaiian Wiggler family. Same action and weedless characteristics as the famous No. 2, 5/8 ounce. Equipped with a small skirt. Length, 3¾ inches. No. 2/0 hook. Packed six baits to a carton; shipping weight, ½ lb.

Colors

230SRG Red and Green	236SPL Pearl
232SB Black	245SA Assorted
233SY Yellow	

No. 2 ¼ oz. Single Spinner

Arbogast's Hawaiian Wigglers
Per doz. . . . . Suggested Retail . . $13.80 Cost . . **$16.56**

Arbogast's Tin Liz Baits

For Fly Rods

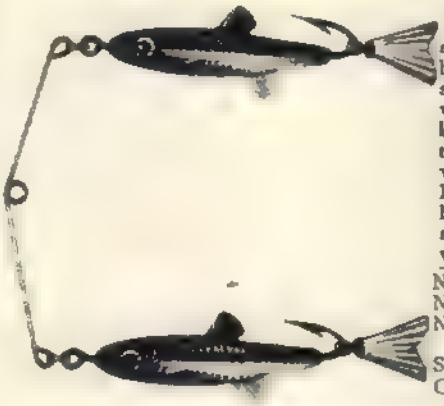
Easy to cast. Has double action. Wobbles along with tail spinner whirling, acting like a real cripple. For Bass, Crappies, Bream and big Trout. Can be used for spinning by merely adding split shots to leader. Weight ¼ oz. Length 2¼ inches. No. 1 Hook. Packed 12 of one kind on a display card. Weight 4 oz.

No. 1 - 1/64-ounce- Duralumin Body	No. 2 - 1/32-ounce- Duralumin Body
Length 1½ in. No. 6 Hook.	Length 2¼ in. No. 2 Hook.
No. 1200R Red Head	No. 1250R Red Head
No. 1201C Chub	No. 1251C Chub
No. 1215A Assorted	No. 1263A Assorted

Arbogast's Tin Liz Baits
Per doz. . . . . Suggested Retail . . $6.00 Cost . . **$7.20**

Arbogast's Twin Liz Baits

5/8 - Ounce



Favorite bait for school fishing white or black Bass. Cast into schools. Retrieve fast with rod held high to keep bait on or near the surface. Wobbles with tails spinning. Length, 2¼ inches. No. 1/0 hook. Packed six in a carton; ship. wt., ½-lb.

No. 1271C Chub,
No. 1276PL Pearl,
No. 1285A Assorted.

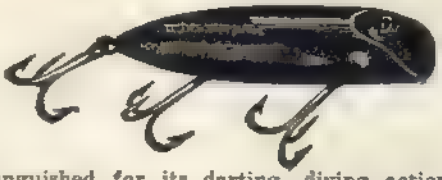
Sugg. Ret. $13.80
Cost per doz. . . 15.60

Halik Frogs

Looks like a frog, swims like a frog. Made of durable plastic with live rubber legs. Will take lots of abuse Patented action of the hind legs gives Frog a life-like action. Three hooks are placed so as to make your fishing weedless.

Fly Rod Size, Weight, 1/10 Oz.
Per doz. . . . . Suggested Retail . . $9.00 Cost . . **$10.80**
Junior Size, Weight, 3/8 OZ.
Per doz. . . . . Suggested Retail . . $18.00 Cost . . **$21.60**
Regular Size, Weight, 5/8 Oz.
Per doz. . . . . Suggested Retail . . $18.00 Cost . . **$21.60**
One dozen in a carton.

No. 973 Bass-Orenos



Distinguished for its darting, diving action. Has three No. 1 Treble hooks. Length 3⅝ inches. Weight each ⅝ oz. Patterns: Red arrowhead, white body; yellow perch scale; pike scale; imitation frog; Nite-Luming finish; and scale finish, green. Packed 12 of one kind in a carton. Weight carton 1⅛ lbs.

No. 973 Bass Orenos
Per doz. . . . . Suggested Retail . . $15.00 Cost . . **$18.00**
Packed 12 in Carton

No. 972 Babe-Orenos

Small size, perfect for use with light action rods. Has two No. 1 Treble hooks. Length 2¾ inches. Weight each ⅛ oz. Patterns: Red arrowhead, white body; yellow perch scale; imitation frog; scale finish, green. Weight per container 1¼ lbs. Packed 12 of one kind in a carton.

No. 972 Babe-Orenos
Per doz. . . . . Suggested Retail . . $12.00 Cost . . **$14.40**

New CREEK CHUB LIGHT ROD AND SPINNING LURES

Series 9400—Spinning Jointed Pikie

Wt. ¼ oz

Like its big brothers, has fast deadly wiggle. Tantalizes and teases all game fish to strike. Looks and acts alive. Made in five favorite colors.

Colors

9400 Natural Pike
9401 Natural Perch
9418 Silver Flash
9402 White & Red
9433 Black Scale

No. **9400** Spinning Jointed Pikie
Per doz. . . . . Suggested Retail . . $15.00 Cost . . **$18.00**

Series 9300—Spinning Pikie

This baby carries the greatest name in fishing lures. A wiggling fool and killer of all game fish. The outstanding favorite for light rod and spinning.

Colors

9300 Natural Pike
9301 Natural Perch
9318 Silver Flash
9302 White & Red
9333 Black Scale

No. **9300** Spinning Pikie
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Series 9000 — Spinning Darter

Wt. ¼ oz

Wiggles, wobbles and drives with life-like near surface darting action. Makes all game fish go for it. Made in three popular colors.

Colors

No. 9014 - Yellow, Red Spots
No. 9018 - Silver Flash
No. 9019 - Frog

No. **9000** Spinning Darter
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Series 9200—Spinning Plunker

Wt. ¼ oz

Bobs, dances, fusses and kerplunks along on the surface - where you can see, hear and feel each strike. A wicked killer of all game fish.

Colors

No. 9201 Natural Perch
No. 9218 Silver Flash
No. 9219 Frog
No. 9200 Pike scale
No. 9202 White & Red

No. **9200** Spinning Plunker
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

No. 9500 Series Light Rod Injured Minnow Creek Lures

This little quarter-ounce lure is the smallest of the Original Injured Minnow family! Represents a crippled minnow, lying on the surface! Cast it out and let it lie a few seconds . . . then short, easy jerks make it splutter and fuss . . . and flashy spinners keep whirling! Made in five colors! A proven, sure-fire Bass Getter . . . and a honey for Trout and Crappies, too!

Patterns Stocked

9500	Pike Scale	**9502**	White and Red
9501	Perch Scale	**9518**	Silver Flash
		9519	Frog

No. **9500** Minnow Creek Lures
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Actual Lures

Real Fish, Encased in Durable, Transparent Plastic.

Preservation scientifically developed, retaining color and brilliance of live eye and scale as plastic does not show under water. Clean and odorless bait that stands hard use and many strikes. Can be used over and over again. Effective in fresh or salt water. For casting, trolling or spinning. Keeled for correct swimming position and natural fish action.

Tiny Trouter

Ideal for smaller fish. Perfect for flyrod. Equipped with single, reversible, removable hook and leader. Allowing for different size hook if desired. Size approximately, 1½ to 2½ inches; weight, 1/8 to 1/16 ounce.

No. **S60** Actural Tiny Trouter
No. **S61** Red Tip (Wounded) Tiny Trouter
Per doz. . . . . Suggested Retail . . $11.40 Cost . . **$13.68**

Hi-Low Glider with Side Fins

Transparent side fins create glider (porpoise-like) action. Can be fished just under the surface or by addjng weights, at any desired depth. It glides upward, then darts quickly down in a natural fish action. Equipped with imported treble hook and stainless steel removable mounting permitting interchange of hook and swivel, also addition of weed guard.

No. **S170** Small Red Tim (Wounded) Hi-Low Glider;
Length, 3 to 4 inch; wt., ½ to 5/8 oz.
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**
No. **S171** Medium Red Tip (Wounded) Hi-Low Glider;
Length, 4½ to 5½ inches; wt., 7/8 to 1-1/8 oz.
Per doz. . . . . Suggested Retail . . $18.00 Cost . . **$21.60**

Creek Chub Artificial Baits

Series 3200 — Plunker Baits

For bait casting floating type. Toss it into a likely looking "pocket" in the reeds or pads and give a series of very short jerks with the rod. Bobbing, dancing, fussing action and sound, all on the surface. Will make game fish active. Has two treble hooks. Length 3 inches. Weight ⅝ oz. Packed 12 of one kind per carton. Weight 1½ lbs. per carton.

Colors

Natural Pikie, Scale Finish-All Black; Natural Perch, Scale Finish-Silver Flash Finish; Golden Shiner, Scale Finish-Red Wing; White with Red Head-Frog; Rainbow-White Scale.
No. **3200** Plunker Baits
Per doz. . . . . Suggested Retail . . $14.40 Cost . . **$17.28**

Series 5900 Midget Plunker Baits

Similar to Series 3200, except in a smaller, lighter size. For light bait casting. Length 2¼ inches. Weight ⅜ oz. Packed 12 of one kind per carton. Weight 1½ lbs. per carton.

Colors

Natural Pikie, Scale Finish-All Black; Natural Perch, Scale Finish-Silver Flash; White with Red Head-Frog; Golden Shiner, Scale Finish-Red Wing; Rainbow-White Scale.
No. **5900** Midget Plunker Baits
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Series 5400 Surface Ding Bat Baits

Weedless with the hook points turned up. For use along the shallow shore lines and weed patches. Has two double hooks. Length 1¾ inches. Weight ⅝ oz. Packed 12 of one kind per carton. Weight 1½ lbs. per carton.

Colors

Natural Pikie Scale, Brown Legs-Frog Finish Green Legs; Natural Perch Scale, Green Legs White Body, Red Head-Red Wings; Golden Shiner Scale, Yellow Legs-White Scale All Black; Silver Flash Body, Red Legs.
No. **5400** Surface Ding Bat Baits
Per doz. . . . . Suggested Retail . . $15.00 Cost . . **$18.00**

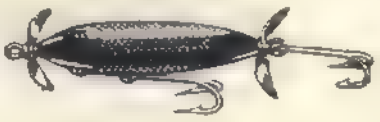
Series 1500 Original Injured Minnow Baits

The original and only genuine wounded Minnow, or "The Crip". Represents a crippled Minnow lying on its side, but able to make a little fuss on the surface. Has two spinners and three treble hooks. Length 3¾ inches. Weight ¾ oz. Packed 12 of one kind per carton. Weight 1½ lbs. per carton.

Colors

Natural Pikie, Scale Finish-Silver Flash; Natural Perch, Scale Finish-Frog; White and Red-Nite Glow Finish; Silver Shiner, Scale Finish-Red Wing; Golden Shiner, Scale Finish-White Scale; Red Side, Scale Finish.
No. **1500** Original Injured Minnow Baits
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**

Series 1600 Baby Injured Minnow Baits



Has two spinners and two double hooks which can be reversed so hooks point up, making it practically weedless. Equipped with treble hooks when so ordered. Length 2¾ inches. Weight ⅛ oz. Packed 12 of one kind per carton. Weight 1½ lbs. per carton.

Colors

Natural Perch, Scale Finish-Red Side, Scale Finish; White and Red-Silver Flash; Silver Shiner, Scale Finish-Red Wing; Golden Shiner, Scale Finish-White Scale.
No. **1600** Baby Injured Minnow Baits
Per doz. . . . . Suggested Retail . . $15.60 Cost . . **$18.72**

Series 900 Baby Pikie Baits

For Northerns. Two treble hooks and metal mouthpiece with loop for attaching line. Length 3¼ inches. Weight ⅛ oz. Packed 12 of one kind per carton. Weight 1½ lbs. per carton.

Colors

Pikie, Scale Finish-Golden Shiner, Scale Finish; Natural Perch, Scale Finish-Rainbow; White and Red-Silver Flash; Silver Shiner, Scale Finish.
No. **900** Baby Pikie Baits
Per doz. . . . . Suggested Retail . . $15.60 Cost . . **$18.72**

Series 2200 Midget Pikie Minnow Baits

For the caster who uses light tackle and for stream fishing. Floats when cast and is made strong enough to hold big fish. Has two treble hooks and metal mouthpiece with loop for attaching line. Lightweight insures ample wiggling action to attract game fish.

Length 2¾ inches; Weight ¼ Oz. Packed One dozen of one kind in a carton. Weight 1½ lbs., per carton. Specify color when ordering.

Colors

Natural Pikie, Scale Finish-Rainbow; Natural Perch, Scale Finish-All Black; White with Red Head-Silver Flash; Golden Shiner, Scale Finish.
No. **2200** Midget Pikie Minnow Baits
Per doz. . . . . Suggested Retail . . $15.00 Cost . . **$18.00**

Series 2700 Baby Jointed Pikie Baits

About the size of live bait. Jointed with treble hook in each section. Metal mouthpiece and loop for attaching line. Especially effective on retrieve. Alternate starting and stopping of bait when reeling in provides ample movement and wiggling. Lifelike imitation of minnow trying to get away.

Length 3¼ inches; Weight 1⅛ Oz. Packed One Dozen of one kind in a carton. Specify color when ordering. Wt., 1½ lbs., per carton.

Colors

Silver Flash, Red Tail-White and Red Head; Silver Flash, Yellow Tail-Golden Shiner, Scale Finish; Natural Pikie, Scale Finish-Rainbow; Natural Perch, Scale Finish-Silver Flash.
No. **2700** Baby Jointed Pikie Baits
Per doz. . . . . Suggested Retail . . $18.00 Cost . . **$21.60**

Specify finish when ordering

Prices shown are based on manufacturers list.

Heddon No. 20 Series "Baby Dowagiac"

Heddon "BABY DOWAGIAC"
A Sinking Lure

Midget size of the original Dowagiac. Sinks slowly and is particularly effective for Walleyes, Bass White Perch, large Trout and Crappies. A small treble hook on each size and one on the tail. Fine for trolling and spinning. Wt. ½oz.; Length 2½-in Three No. 6 Treble hooks.

Colors

20RB Rainbow
20P Shiner Scale
20SO Spotted Orange
20GCB Green Crackleback
20RHF Red Head, Flitter
20L Yellow Perch Scale
20RET White, Red Eyes and Tail

Doz. . . Suggested Retail . . $16.20 . . Cost . . . **$19.44**

Heddon No. 300 Series "Widget"

Heddon "Widget"
(Floating-Diving)

A fly and spinning lure. Designed to crawl and wiggle along the surface of the water with the slightest movement of the rod or in the barest perceptible current. On fast retrieve it will produce a wake of a struggling insect but will remain on the surface; for trolling or fishing deep holes it can be made to go any desired depth by placing one or more split shot a foot or so ahead of it. Designed for Steelhead and large Trout but also unexcelled for Bass and Panfish such as Crappies, White and Rock Bass, Weight, 5/100-oz.; Length, 1¼ inches. One No. 10 Treble hook.

Colors

300BF Bullfrog
300GM Gray Mouse
300SO Spotted Orange
300RH White, Red Head
No. 300 "Widgett"
300RHF Head Flitter
300L Yellow Perch Scale
300BO Black, Orange Spots
300SRB Silver Body, Red and Black Spots

Doz. . . Suggested Retail . . $12.00 . . Cost . . . **$14.40**

Heddon No. 350 Series "Tiny Runt"

Spinning Lure

Heddon "Tiny Runt"
(Slow Sinking)

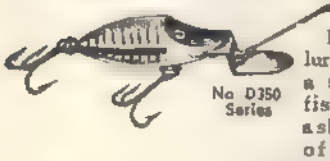
Perfect miniature of the famous River Runt Spook. Sinks slowly. Excellent for Bass, Walleyes, Pike, Trout, Crappies, White Bass and Steelhead. Weight, 1/5 oz., Length, 2 1/8 inches. Two No. 6 Treble hooks. Also suitable for ultralight bait casting and trolling. Excellent for bass, Walleyes, Trout, Crappies, Steelhead.

Colors

350SO Spotted Orange
350RH White, Red Head
350RHF Red Head, Fliter
350L Yellow Perch Scale
350XRS Sil. Shore Minnow
350XRY Yellow Shore Minnow
350XRW Red and White Shore Minnow
350XBW Black and White Shore Minnow

Doz. . . Suggested Retail . . $15.00 . . Cost . . . **$18.00**

Heddon No. D350 Series "Tiny Runt"



Here it is! The spinning lure developed in response to a tremendous demand from fishermen all over the country asking for "a spinning version of the 'Go Deeper River Runt'." It has all the deep running, fast wiggling, fish catching qualities of its bigger brother. Designed for spinning but tops also for light bait casting. Deadly for bass, trout, walleyes, pike, white bass and larger panfish.

D350SO—Spotted Orange, **D350RH**—White, Red Head, **D350RHF**—Red Head, Flitter, **D350L**—Yellow Perch Scale, **D350XRS**—Silver Shore Minnow, **D350XRY**—Yellow Shore Minnow, **D350XRW**—Red and White Shore Minnow, **D350XBW**—Black and White Shore Minnow

Doz. . . Suggested Retail . . $16.20 . . Cost . . . **$19.44**

Heddon No. 370 Series "Tiny Lucky 13"

Heddon "TINY LUCKY 13"
(Floating-Diving)

A midget version of the famous Luck 13 casting lure. Can be used as a surface or underwater lure. As surface lure it has excellent "chugging" action; underwater, retrieved at normal speed, it has an enticing, erratic swimming action. Also fine for trolling. Weight, 1/5 oz.,; length, 1 7/8 inches. Two No. 6 Treble hooks.

Colors

370BF Bullfrog
370D Green Scale
370PG Golden Shiner
370SS Silver Filter
370RH White Red Head
370L Yellow Perch Scale
370JRH Frog Scale Red Head
370PRH Shiner Scale, Red Head

No. 370 "Tiny Lucky 13"
Doz. . . Suggested Retail . . $15.00 . . Cost . . . **$18.00**

Heddon No. 360 Series "Tiny Torpedo"

Spinning Lure

Heddon "Tiny Torpedo"
(Surface)

Top water version of the famous Heddon Torpedo and when retrieved slowly with a series of jerks on the rod tip it imitates a struggling wounded minnow. When fast retrieve is used, it acts like a scared minnow streaking for cover. Outstanding for Bass, Pike, Crappies, White Bass and large Trout. Weight 1/5 ounce; Length, 2 1/8 inches. Two No. 6 Treble Hooks

Colors

360BF Bullfrog
360RH White, Red Head
360RHF Red Head, Flitter
360L Yellow Perch Scale
360XRS Sil. Shore Minnow
360
360XRY Yellow Shore Minnow
360XRW Red and White Shore Minnow
360XBW Black and White Shore Minnow

No. 360 "Tiny Torpedo"
Doz. . . Suggested Retail . . $15.00 . . Cost . . . **$18.00**

Heddon No. 390 Series "Tiny Tad"

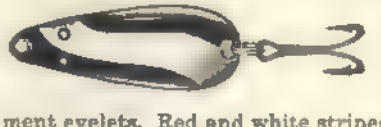
A spinning model of the famous "TADpolly Spook," 1952's largest selling new bait. This miniature has the same fish-getting action as the "TADpolly." Starts wiggling with the slightest motion of the rod tip; the faster the retrieve, the deeper it dives. While designed for spinning, the "Tiny Tad" is excellent for ultralight bait casting and trolling. Unexcelled for bass, trout, walleyes, pike, white bass, crappies, and large panfish.

390BF—Bullfrog, **390PG**—Golden Shiner, **390SP**—Spotted Orange, **390RH**—White, Red Head, **390RHF**—Red Head, Flitter, **390L**—Yellow Perch Scale, **390XRY**—Yellow Shore Minnow, **390XBW**—Black and White Shore Minnow

Weight 1/5 oz., Length 2-1/8", two No. 6 treble Hooks.

Doz. . . Suggested Retail . . $16.20 . . Cost . . . **$19.44**

South Bend Spoons



Nickel and stripe finish. Made in fly rod, casting and trolling sizes. Formed eyes and swivel or with line attachment eyelets. Red and white stripes on one side, gleaming nickel finish on the other side.

No.	576	577	579	580	581
Length, In	1	1⅛	2¼	2⅞	3½
Weight, Oz.	1/5	⅛	⅜	⅝	1
Hook Size	9	9	4	1	1/0
No. of Hooks	2	2	2	3	3
No. in Package	24	24	12	12	12
Per Doz. Sugg Ret.	$3.60	$3.60	$4.80	$5.40	$5.40
Cost Per Doz.	4.32	4.32	5.76	6.48	6.48

Arbogast's Jitterbugs

Standard Size Weight ⅝ oz.

Plastic body lure with erratic action that attracts game fish when feeding on the surface. Has a double lobed "lip" that creates a loud paddling noise. Can be retrieved continuously or by hesitation. May be used as popper—made to change ends and dance on surface. Furnished with two No. 1 Treble or Double Reverse hooks. Length, 3 inches. Weight, ⅝ oz. Packed six baits one kind per carton. Weight per carton, ½ lb.

No.	Body Color
650R	Red Head
651F	Frog
652B	Black
653Y	Yellow
654S	Scale
655P	Perch
656PL	Pearl
657L	Luminous
658BL	Blue Head
672RLH	Pearl Herringbone

Doz. . . Suggested Retail . . $15.00 . . Cost . . . $18.00

Jitterbug Peanut Size

Weight, 3/8 oz.

Bait sinks slowly. Wobbles upon retrieve. Can be used with spinning outfits. Length, 2½ inches. Weight, ⅜ oz. Two No. 2 Treble hooks. Plastic body. Packed six baits one kind per carton. Weight per carton, ½ lb.

No.	Body Color
600R	Red Head
601F	Frog
602B	Black
603Y	Yellow
604S	Scale
605P	Perch
606PL	Pearl
612PLH	Pearl Herringbone

Doz. . . Suggested Retail . . $15.00 . . Cost . . . $18.00

Arbogast 1/4 Oz. Jitterbug

Here it is! All the famous special action and fish-getting ability of the famous old bait-casting Jitterbug—the favorite of anglers everywhere for many years—in a new 1/4-oz. size for spinning and light tackle fishermen! Surface-feeding Small and Large Mouth Bass and other game fish really go for the Spinning Jitterbug's erratic, wobbling action. Fishermen get a kick out of using the Spinning Jitterbug. It's easy to cast and the gurgling, paddling effect of the double-lobed "lip" is as fascinating to fishermen as it is to the fish. Fish strike it viciously. And the thrill-packed action is right on the surface where you can see and hear it. Retrieve it continuously or by hesitation. This famous-name top-water bait can be used as a popper, made to change ends and dance on the surface. Weight: 1/4-oz. Length: 2 inches. Two No. 5 treble hooks. Plastic body.

Packed 6 baits to display carton. Shipping weight approximately 1/2 pound. Order by serial number.

630B	Red Head	633Y	Yellow	636PL	Pearl
631F	Frog	634S	Scale	645A	Assorted
632B	Black	635P	Perch		

Doz. . . Suggested Retail . . $15.00 . . Cost . . . $18.00

Arbogast's Jitterbug Assortments

Standard and Peanut Sizes

No. 675-A Standard Size, consists of six assorted baits in ⅝ oz. size. Wt. per carton, ½ lb. . per Doz.

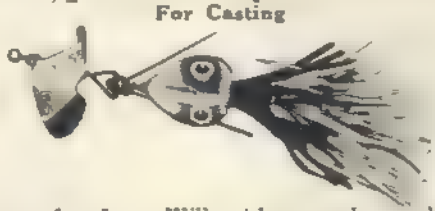
Suggested Retail . . . . . $15.00 Cost $18.00

No. 615-A Midget Size, consists of six assorted baits in ⅜ oz. size. Wt. per carton, ½ lb. . . per Doz.

Suggested Retail . . . . . $15.00 Cost $18.00

No. 2½ Hawaiian Sputterfuss Baits

For Casting



Noisy surface lure. Will not hang up in rough places. Equipped with large skirt. Used for bass, muskies and other game fish. No 5/0 hook. Length, 4½ inches. Weight, ⅝ ounce. Weight per carton, ½ lb. Packed six of one kind in a carton.

No	Body Color	No	Body Color
250R	Red and White	253Y	Yellow
251F	Frog	265A	Assorted

Doz. . . Suggested Retail . . $13.80 . . Cost . . . $16.56

No. 3 Hawaiian Wigglers

For Casting—Weedless Type

Streamlined to go through fine clinging moss and muck. For large mouth bass and pike. Casts like a bullet. Has small skirt. Will hold true in high winds. Length, 2¾ inches. One No. 3/0 Hook. Weight each, ⅝ oz. Packed six of one kind in a carton. Weight per carton, ½ lb.

No.	Body Color	No.	Body Color
300R	Red	304S	Scale
302B	Black	310N	Nickel Plate
303Y	Yellow	315A	Assorted

Doz. . . Suggested Retail . . $13.80 . . Cost . . . $16.56

Arbogast's Hula Popper Baits

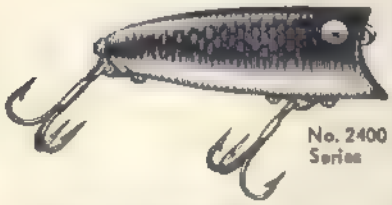
For Fly Rods

Produces plenty of noise and action. Small type, Hula skirt curls and seems alive even when bait is at rest. Cork body. No. 1/0 Hook. Length, 1½ inches. Wt., ⅛ oz. Packed 12 baits of one kind in a carton. Wt., 6 oz. per carton.

No., **1000R** Red Head
No. **1001F** Frog
No. **1000B** Black
No. **1003Y** Yellow
No. **1015A**—Consists of assortment of 12 Baits in carton. Wt. 6 oz. per doz.

Doz. . . Suggested Retail . . $9.00 . . . Cost . . . $10.80

Heddon Series 2400 Baby "Lucky 13" Baits



Heddon "BABY LUCKY 13"

A smaller size version of the popular Lucky 13 for light tackle anglers.

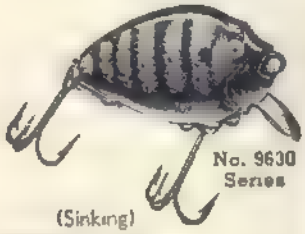
A Floating-Diving bait - has perfect "popping" action - on retrieve, depending upon speed or reeling it will drive under the surface. Excellent for trolling. Designed for Bass but also excellent for large Trout, Pike, etc.

Weight, 3/8 ounce. Length, 2¾ inches; Two No. 2 Treble Hooks.

2400BF Bull Frog
2400D Green Scale
2400PG Golden Shiner
2400SS Silver Filter
2400RH White, Red Head
2400JRH Frog Scale, Red Head
2400L Yellow Perch Scale
2400PRH Shiner Scale, Red Head

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

No. 9630 Punkinseed Spooks



(Sinking)

Transparent tenite body life-like natural colorations. A slow-sinking bait, traveling approximately two feet under the surface. Good for bass, walleyes and pike, and a perfect trolling lure. Weight, ⅝ oz. Length, 2⅛ in. Two No. 2 Treble hooks.

9630SD Shad
9630CRA Crappie
9630XRY Yellow Shore Minnow
9630SUN Sunfish
9630BGL Bluegill
9630XBW Black and White Shore Minnow

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

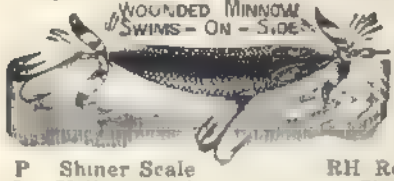
Series 9140 Wounded Spook Baits

Another effective lure with transparent tenite body. Length, 3¼ inches. Weight, ⅝ oz. Has two No. 1 Treble hooks.

L Yellow Perch
XRY Yellow Shore Minnow
XRS Silver Shore Minnow
XRW Red and White Shore Minnow

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Series 140 S.O.S. Wounded Minnows

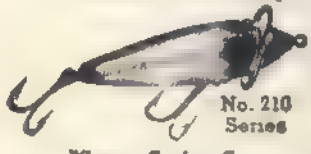


Attractively colored wood bait. Has two No. 1 Treble hooks. Length, 2⅞ inches. Weight, ⅝ oz.

P Shiner Scale
L Yellow Perch
RH Red and White Shore Minnow

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Series 210 Super Surface Baits



"Super Surface"
(Floating)

Wood bait. Floats when at rest. Effective in action. Has two No. 1/0 Double hooks. Length, 3½ inches. Weight, ¾ oz.

Individually packed. Colors: Black, Gray Mouse and White, Red Head.

Doz. . . Suggested Retail . . $16.20 . . Cost . . . 19.44

Series F4000 Meadow Mouse Baits

Wood bait. Has two No. 1 Treble hooks. Length, 2⅜ inches. Weight, ¾ oz. Colors: Gray and Brown

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.40

Heddon No. D1900 Series "Go Deeper Crab"

Heddon "GO DEEPER CRAB"
A Floating, Deep Diving Bait

Perfect trolling or casting lure; designed for deep water. Floats high when at rest, dives deeper than other baits on retrieve. Deadly for Bass, Walleyes, Pike and Muskies.

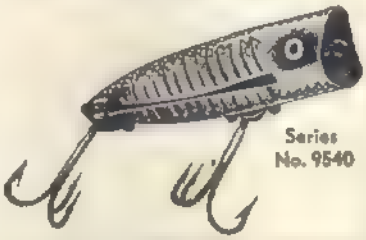
Weight, ½-ounce. Length, 3½ inches. Two No. 1 Treble hooks.

Colors

D1000NC Natural Crab
D1900RH White, Red Head
D1900GCB Green Crackleback
D1900BW Black & White Crab
D1900XRY Yellow Shore Minnow
D1900SO Orange Body, Red & Black Spots

Doz. . . Suggested Retail . . $18.00 . . Cost . . . $21.60

Heddon No. 9540 Series "Chugger Spook"



Heddon "CHUGGER SPOOK"
(Surface)

Most popular surface lure of the "popping" or "chugging" type For use in "pockets" or around lily pads. Light in weight yet casts perfectly due to balanced weight in tail - never fouls line by twisting in air. Weight, ½ ounce; Two No. 1 Treble hooks.

Colors

9540L Yellow Perch Scale
9540SP Sparkle Pattern
9540RH White, Red Head
9540XRY Yellow Shore Minnow
9540XRS Silver Shore Minnow
9540XRW Red and White Shore Minnow
9540XWB Black & White Shore Minnow

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Heddon No. 9520 Series "Baby Chugger Spook"

Weight, 3/8 Oz. - Length, 2⅛ Inches - Two No. 2 Treble Hooks

Especially designed for light tackle bait casters and spinning rod anglers. Casts like a bullet and produces a bubbling noise that brings up the big bass.

Colors

9520L Yellow Perch Scale
9520RH White, Red Head
9520XRY Yellow Shore Minnow
9520XRS Silver Shore Minnow
9520XRW Red & White Shore Minnow
9520XWB Black & White Shore Minnow

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Heddon No. 9700 Series "Flaptail Spook, Jr."

Heddon "Flaptail Spook, Jr."
A Surface Bait

Produces a very lifelike action due to fluttering spoon on tail. A natural for large Bass, Pike and Muskies because of the tantalizing struggling motion; an easy bait to use because it works itself. Weight, ½ oz.; length, 3 inches Two No. 1 Treble hooks.

9700GM Gray Mouse
9700SS Silver Filter
9700RH White, Red Head
9700L Yellow Perch Scale

Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Specify Pattern when Ordering

Heddon No. D9430 Series Jointed "Go Deeper" "River Runt Spook"

Heddon Jointed "Go Deeper" "River Runt Spook"
A Sinking — Deep Diving Bait

A slow sinking, deep diving lure, jointed to give it natural tail kick, producing a snakelike crawling action that is irresistable to Bass, Walleyes, Northern Pike and Muskies.

Fine for casting along dropoffs, and ideal for trolling in deep water.

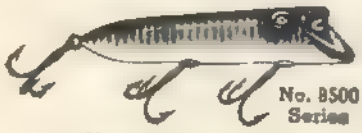
Weight, 5/8 oz.; length, 4¼ inches. Two No. 1 Treble.

Colors

D9430SD Shad
D9430RB Rainbow
D9430M Pike Scale
D9430P Shiner Scale
D9430RH White, Red Head
D9430L Yel. Perch Scale
D9430XRS Sil. Shore Minnow
D9430XRY Yel. Shore Minnow
D9430XRG Green Shore Minnow
D9430XRW Red & White Shore Minnow
D9430XBP Pearl & Black Shore Minnow
D9430XBW Black & White Shore Minnow

No. D9430 jointed "Go Deeper" River Runt Spook Doz. . . Suggested Retail . . $18.00 . . Cost . . . $21.60

Heddon No. 8500 Series "Basser"



Heddon "BASSER"
(Floating-Diving)

A floating-diving bait - can be used as a surface bait or for trolling. Metal plate on lip for additional flash. Extra sturdy construction and larger hooks for larger fish.

Weight, ¾ oz.; Length, 4¼ inches. Three No. 1/0 Treble hooks.

Colors

8500P Shiner Scale
8500RH White, Red Head
8500L Yellow Perch Scale
8500S White Body, Red and Green Spots

No. 8500 "Basser"....Sugg. Ret. $16.20 . Cost, $19.44

Heddon No. S9210 Series "Darting Zara Spooks"

Heddon "DARTING ZARA" with Spinner
A Surface Bait

A favorite in the South, the notched head gives it a darting motion and the tail spinner has extra flash and creates greater commotion on the surface. Many Northern anglers are discovering that this bait is a killer for bass and pike.

Weight 5/8 ounce; length, 3 1/8 inches. Two No. 1 Treble hooks.

Colors

S9210BF Bull Frog
S9210SS Silver Filter
S9210XRY Yellow Shore Minnow
S9210XRW Red & White Shore Minnow

No. S9210 "Darting Zara Spook" with Tail Spinner Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Heddon No. 980 Series "Punkie Spook"

Heddon PUNKIE-SPOOK
Floating — Diving

A tiny copy of the Punkinseed. It duplicates both the appearance and action of baby Bluegills, Crappies, etc. Floats when at rest, dives and wiggles when retrieved. Excellent for Bass, large Trout, Panfish and white Bass.

Weight, 4/100 oz.; length 7/8 inch. No. 1 Kirby Hook.

980SD Shad
980SUN Sunfish
980RA Crappie
980 GL Bluegill

No. 980 "Punkie Spook" Sugg. Ret. $9.00—Cost, $10.80

Heddon No. 9000 Series "Tadpolly Spook"

Heddon "Tadpolly Spook"
(Floating-Diving)

So well balanced that the slightest motion of rod tip or current will start dancing. Normal speed of retrieve will cause it to run just below the surface; fast retrieve, it will go to a depth of five to six ft. A killer for Bass, Muskies, Pike, Walleyes and large Trout. Weight 3/8 oz; Length, 3 inches. Two No. 2 Treble hooks.

Colors

9000BF Bullfrog
9000PG Golden Shiner
9000SO Spotted Orange
9000RH White, Red Head
9000LD Light Green scale
9000RHF Red Head, Flitter
9000L Yel. Perch Scale
9000XRS Sil. Shore Minnow
9000XRY Yellow Shore Minnow
9000YRH Yellow Body Red Head
9000XBW Black and White Shore Minnow
9000SRB Silver Body, Red & Black Spots

No. 9000 "Tadpolly Spook".....
Doz. . . Suggested Retail . . $16.20 . . Cost . . . $19.44

Heddon No. 440 Series "Saint Spinner"

Heddon "Saint" Spinner
(Sinking)

Due to unique balance and design this lure always sinks head down and the offset spinner revolves all the way to the bottom - permits anglers to fish right next to the "dropoffs" in a manner impossible with other baits - allow bait to work itself all the way to the bottom before starting retrieve and retrieve slowly. Weight, ½ oz.; length, 3 3/8 inches. One No. 2/0 hook.

Colors

440M Pike Scale Head, Brown Hackle and Brown Streamer
440RHF White and Red Head, Flitter, Red Hkl., White Streamer
440L Yel. Perch Scale Head, Yellow Hkl., White Streamer
440S White Head, Red & Green Spots, White Hkl. and Streamer
440SD Shad Scale Head Gray & White Hkl. and Streamer
440SO Orange Head, Red and Black Spots, Black Hackle and White Streamer

No. 440 "Saint Spinner".. Sug. Ret. $15.00—Cost, $18.00

Series 9400 Heddon Floating River Runt Spooks

Heddon "River-Runt Spook"
(Floating)

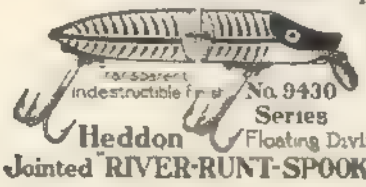
Floats when at rest. When retrieved dives with a wiggling motion to a depth of a foot or two, depending upon speed of reeling. Ideal for shallow water or over weed beds close to the surface. For large-mouth bass, pike, pickerel and muskies. Individually packed. Weight, ½ oz. Length, 3 in. Two No. 1 Treble Hooks.

Colors:

9400SD Shad
9400M Pike
9400RB Rainbow
9400L Yellow Perch
9400P Shiner Scale
9400RH White, Red Head
9400XRG Green Shore Minnow
9400XRY Yellow Shore Minnow
9400XRS Silver Shore Minnow
9400XRW Red and White Shore Minnow
9400XBW Black and White Shore Minnow
9400XBP Pearl and Black Shore Minnow
9400SS Silver Flitter
9400SP Sparkle Pattern

Series **9400** Floating Spooks
Doz. . . Suggested Retail . . $16.20 . . Cost . . . **$19.44**

Series 9430 Heddon Jointed Floating River Runt Spooks



Heddon Jointed "RIVER-RUNT-SPOOK"

Floats when at rest. Dives with a wiggling motion. Ideal for shallow water. Good for bass, northern pike and muskellunge. Wt., ¾ oz. Length, 3⅞ in. Two No. 1 Treble Hooks. Colors:

9430SD Shad
9430M Pike
9430RB Rainbow
9430L Yellow Perch
9430P Shiner Scale
9430RH White, Red Head
9430XRG Green Shore Minnow
9430XRY Yellow Shore Minnow
9430XRS Silver Shore Minnow
9430XRW Red and White Shore Minnow
9430XBW Black and White Shore Minnow
9430XBP Pearl and Black Shore Minnow

Series **9430** Jointed and Floating Spooks, per Doz **18.00**
Doz. . . Suggested Retail . . $18.00 . . Cost . . . **$21.60**

Series 9330 Jointed Sinking River Runt Spooks

Heddon "RIVER-RUNT-SPOOK"
(Jointed Sinking)

Standard River-Runt Spook only jointed. Sinks slowly. Has lively action with plenty of tail kick. Bass, walleyes and pike cannot resist it. Also excellent for large brown rainbow and lake trout. Individually packed. Weight, ⅝ oz. Length, 2¾ in. Two No. 1 Treble hooks.

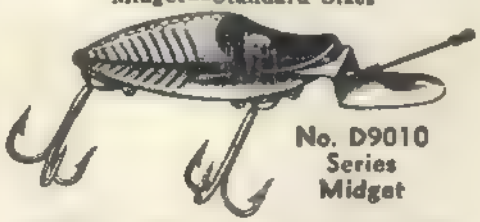
Colors:

9330SD Shad
9330M Pike
9330RB Rainbow
9330L Yellow Perch
9330P Shiner Scale
9330RH White, Red Head
9330XRG Green Shore Minnow
9330XRY Yellow Shore Minnow
9330XRS Silver Shore Minnow
9330XRW Red and White Shore Minnow
9330XBW Black and White Shore Minnow
9330XBP Pearl and Black Shore Minnow

Series **9330** Jointed and Sinking Spooks, per Doz. **18.00**
Doz. . . Suggested Retail . . $18.00 . . Cost . . . **$21.60**
Specify pattern when ordering.

Heddon Go-Deeper River Runt Spooks

Midget—Standard Sizes



Heddon "Go Deeper River Runt"
(Deep Diving)

Designed for deep-feeding fish. Goes deep due to large lip. Good for bass, pike, and muskies in summer months. Individually packed. Weight, ½ oz. Midget size. Length, 3⅛ in.

Colors:

D9010SD Shad
D9010M Pike
D9010RB Rainbow
D9010L Yellow Perch
D9010P Shiner Scale
D9010RH White, Red Head
D9010XRG Green Shore Minnow
D9010XRY Yellow Shore Minnow
D9010XRS Silver Shore Minnow
D9010XRW Red and White Shore Minnow
D9010XBW Black and White Shore Minnow
D9010XBP Pearl and Black Shore Minnow
D9010SS Silver Flitter
D9010SP Sparkle Pattern

No. **D-9010** Midget Go-Deeper Spooks.
Doz. . . Suggested Retail . . $18.00 . . Cost . . . **$21.60**

No. D-9110—Standard Size
Color is the same as **D9010** Series
Length, 3½ in. Wt., 5/8 oz. Individually packed.
No. **D-9110** Standard Go-Deeper Spooks.
Doz. . . Suggested Retail . . $18.00 . . Cost . . . **$21.60**

Heddon Crazy Crawlers

Small Size

Heddon "CRAZY-CRAWLER"

Surface bait. Has swimming-crawling action that really gets the big ones. Recommended for big bass, pike and muskies. Length, 2¾ inches. Weight, ⅝ oz. Two No. 2 Treble hooks.

Colors:

BF Bull Frog
GM Gray Mouse
BWH Black, White Head
YRH Yellow, Red Head
XRS Silver Shore Minnow
XRW Red and White Shore Minnow

No. **2120** Small Crazy Crawlers
Doz. . . Suggested Retail . . $18.00 . . Cost . . . **$21.60**

Standard Size
Same as above except length 2¾ inches. Weight, ⅝ oz. Has two No. 1 Treble hooks.
No. **2100** Standard Crazy Crawlers.
Doz. . . Suggested Retail . . $18.00 . . Cost . . . **$21.60**

Series 2500 "Lucky 13" Baits

Heddon "LUCKY 13"
(Floating-Diving)

A surface bait. Floats when at rest but dives and wiggles when retrieved. A most effective lure for bass. Length, 4 in. Weight, ⅝ oz. Has three No. 1 Treble hooks. Individually packed.

2500L Yellow Perch
2500RH White, Red Head
2500BF Bullfrog
2500JRH Frog Scale, Red Head
2500PRH Shiner Scale, Red Head
2500D Green Scale

No. **2500** Lucky 13 Baits
Doz. . . Suggested Retail . . $16.20 . . Cost . . . **$19.44**
Specify pattern when ordering.

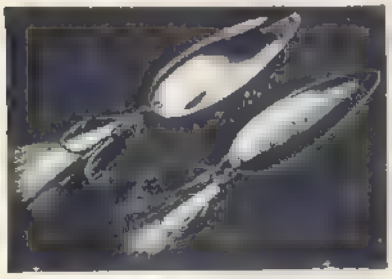
Johnson's Weedless Capers

For Salt and Fresh Water

Heavy chromium plated with replaceable hook and weed guard. Strong hollow-point hook is always up, ready for the striking fish. Flared weed guard makes lure absolutely weedless. Hook and weed guard are easily replaceable.

No.	4240	4340
Weight, Oz.	½	¾
Hook Size	7/0	8/0
Blade Length, In.	2⅝	3
Each . . Suggested Retail	1.10	1.25
Each . . Cost	1.32	1.50

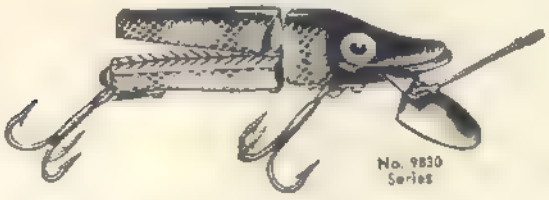
Johnson's Weedless Sprites



Chromium plated spoon for fresh and salt water fishing. Easy to cast, good for open water fishing. Has guards that keep the treble hook from hanging up. Shown with bucktail trailer in red and white.

No.	3240	3340
Weight, Oz.	½	¾
Tin Triple Hook Size	1	1/0
Blade Length, In.	2⅛	2⅜
Each . . Suggested Retail	1.00	1.15
Each . . Cost	1.30	1.38

Heddon "Scissortail" Baits



One of the most startling innovations in bait casting lures over the past decade! The jointed tail is split horizontally and wiggles in a lively manner which creates a flash both from above and below. This, coupled with a snakelike slither brings out an entirely new action which is a triple-threat to all game fish such as bass, trout, walleyes, northern pike, muskellunge and saltwater fish. Runs deeper on a fast retrieve, shallow when reeled slowly.

Weight 5/8 oz., Length 3½", two No. 2 treble hooks.

Colors

9830M Pike Scale
9830L Perch Scale
9830P Shiner Scale
9830RH White, Red Head
9830SO Spotted Orange
9830XRS Silver Shore Minnow
9830XRY Yellow Shore Minnow
9830XBW Black and White Shore Minnow

Series 9830

Doz. . . Suggested Retail . . . $18.00 . . Cost . . . **$21.60**

Series 9020 Heddon Midgit Digit River Runt Spooks

Heddon "Midgit Digit River-Runt-Spook"

Made of transparent tenite with an indestructible finish. This lure, the smallest of the River-Runt family is a favorite of the light tackle enthusiast and deadly for walleyes, bass, pike and larger pan fish. Casts like a bullet. Packed individually. Weight, ⅝ oz. Length, 1⅝ in. Two No. 6 Treble Hooks.

Colors:

9020SD Shad
9020M Pike
9020RB Rainbow
9020L Yellow Perch
9020P Shiner Scale
9020RH White, Red Head
9020XRG Green Shore Minnow
9020XRY Yellow shore Minnow
9020XRS Silver Shore Minnow
9020XRW Red and White Shore Minnow
9020XBW Black and White Shore Minnow
9020XBP Pearl and Black Shore Minnow
9020SS Silver Flitter

Series **9020** Midgit Digit Spooks . . . . . Per Doz.
Suggested Retail . . . . . $16.20 Cost **$19.44**

Series 9010 Heddon Midget River Runt Spooks

Same as above except length is 2-1/8 in. and has two No. 2 Treble Hooks.

Colors: Same as those listed for Series 9020, but in addition 9020SP, Sparkle Patter.

Series **9010** Heddon Midget River Runt Spooks . Per. Doz.
Suggested Retail . . . . . $16.20 Cost **$19.44**

Series 9110 Heddon Standard River Runt Spooks

Heddon "River-Runt-Spook"
(Sinking)

Transparent body, larger than the Midget. Sinks slowly and has fast wiggling action. Unexcelled for large and smallmouth bass, pike, pickerel and walleyes. Packed individually. Weight, ½ oz. Length, 2½ in. Two No. 1 Treble Hooks.

Colors:

9110SD Shad
9110M Pike
9110RB Rainbow
9110L Yellow Perch
9110P Shiner Scale
9110RH White, Red Head
9110XRG Green shore Minnow
9110XRY Yellow Shore Minnow
9110XRS Silver Shore Minnow
9110XRW Red and White Shore Minnow
9110XBW Black and White Shore Minnow
9110XBP Pearl and Black Shore Minnow
9110SS Silver Flitter
9110RHF Red Head Flitter

Series **9110** Heddon Standard River Runt Spooks
Per Doz. . . Suggested Retail . . $16.20 Cost . . . **$19.44**

Helim F-3 Midget Flatfish

F3, MIDGET MODEL: 1¼" long. For the benefit of those anglers who wanted smaller and smaller baits, and in spite of the manufacturing difficulties, we brought out this new model equipped with only one small treble hook. This catalog would not be big enough to quote all of the fine letters we have received already from anglers who have been using this size. It is freely admitted that it just isn't possible for a trout or pan fish to leave it alone. Some trout anglers have caught their limit on this F3 in the first hole they fished in their favorite stream.

COLOR STOCKED

OR – Orange	WH – White
LO – Light orange	FR – Frog
YE – Yellow	SI – Silver Bronze (Aluminum)

No. **F3** Midget Flatfish
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Bomber Gimmicks

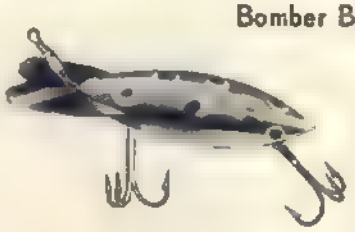
This weighted spinner fly is in a class by itself, casts like a bullet, with a minimum of wind resistance. The new body finish is the most durable and most beautiful on the market. It will not crack or chip from the body. Strong and sturdy wire is used that isn't easy to bend out of shape. The design of the Gimmick is such that it will not twist the line, under most any fishing condition, but the spinner blade will spin at a very slow retrieve. A colorful treble hook fly completes the Gimmick, to make it the most outstanding weighted spinner fly on the market.

All models equipped with nickel plated spinner. Copper spinner available at no extra cost.

¼ oz. No.	½ oz.	Fly Color	Body Color
3401	3501	White	White
3402	3502	Black	Black
3404	3504	Red and White	Red Head
3411	3511	Green and Yellow	Frog
3418	3518	Brown	Brown Shad
3436	3536	Black and White	White, Black Dots
3439	3539	Yellow	Yellow, Black Dots
3440	3540	Plymouth Rock	Silver Shad
3442	3542	Orange	Orange, Black Dots
3443	3543	Green and White	Green Shad
3444	3544	Black and White	Black, White Dots
3448	3548	Red and Yellow	Yellow Body, Red Head
3449	3549	Silver	
3450	3550	Yellow Body, Black Head	

No. **3400** Series ¼ oz. Bomber Gimmick
No. **3500** Series ½ oz. Bomber Gimmick
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Bomber Baits



A floating type lure that runs deep and wiggles fast when retrieved. As a top water, the Bomber will dance and bob on the water's surface when rod tip is twitched slightly. On retrieve it runs deep with a fast, quivering action that is amazingly lifelike. Broad diving bill acts as a guard against underwater snags to prevent bait from becoming entangled and lost. Pulling link is adjustable to make lure run true or at an angle.

300 Series: Midget size. 2¾" length. For light rod use in shallow water. Attains depths to 4 feet.

400 Series: Small size. ½" length. For shallow water fishing. Goes down to 7 feet.

500 Series: Medium size. 5/8" length. Effective when fish move away from shore into deeper water. Runs to 12 feet in depth.

Colors Stocked:

301	401	501	White
302	402	502	Black
303	403	503	Gray Scale
304	404	504	Red Head
305	405	505	Green Perch
306	406	506	White, Black Ribs
307	407	507	Yellow Perch
308	408	508	White, Black Shadow
309	409	509	Pearl Spots
310	410	510	White, Red Tail
311	411	511	Frog
312	412	512	Orange, Black Ribs
313	413	513	Red Side
314	414	514	Black, White Ribs
315	415	515	White, Silver Flake
316	416	516	Black, Silver Flake
317	417	517	Rainbow
318	418	518	Brown Shad
319	419	519	Yellow, Silver Flake
320	420	520	Yellow, Black Ribs
321	421	521	Crawfish

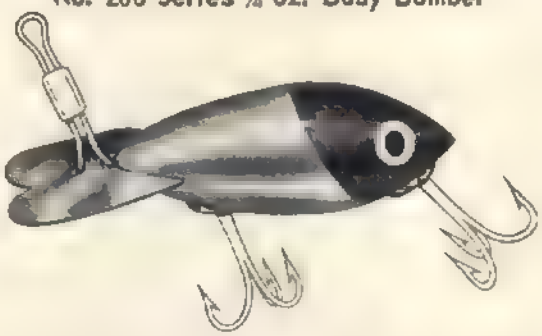
No. **300** Series Midget Bomber Baits
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

No. **400** Series Small ½ oz. Bomber Baits
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

No. **500** Series Medium 5/8 oz. Bomber Baits
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

In ordering Bomber Baits be sure and designate the correct number so you will receive the correct color.

No. 200 Series ¼ oz. Baby Bomber

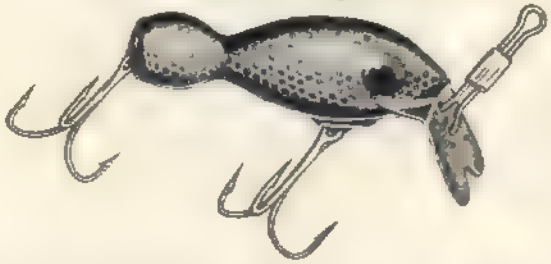


The Baby Bomber is the answer to the ever-increasing demand for a small quarter-ounce deep diving lure. The Baby Bomber is ideal for the many new lightweight Glass and Bamboo Casting Rods, with lightweight, free running reels, and light lines from 6 to not over 15-pound test. The Baby Bomber, like its counterpart, the Midget Bomberette, is also the answer to the spinning rod enthusiast's demand for a good wiggling diving lure. The Baby Bomber has the same action and features as its larger brother, the regular Bomber, except that it is a slow sinker rather than a floater. It is a medium deep diver that will run from 4 to 6 feet in depth on a normal cast and retrieve. Still greater depth can be obtained by allowing it to sink, or by trolling. It is designed to maintain its enticing action at slow or fast speeds of retrieve, and true operation is assured at all times by its adjustable connecting link.

No.	Color	No.	Color
202	Black	218	Brown Shad
203	Gray Scale	220	Yellow, Black Ribs
204	Red Head	221	Crawfish
205	Green Perch	233	Silver Scale
206	White, Black Ribs	237	Pink, White Dots
211	Frog	238	Gold Scale
212	Orange, Black Ribs	239	Yellow, Black Dots
214	Black, White Ribs	240	Silver Shad

No. 200 Series ¼ oz. Baby Bomber
Per doz. . . . . Suggested Retail . . $13.20 Cost . . $15.84

¼ oz. Slow Sinker Midget Bomberette



It seems that everything that swims loves this little bait. The Midget Bomberette maintains its enticing wiggle at all speeds, fast or slow. Even though this little lure weighs only 1/4 ounce, it can easily be cast with light tackle, due to the compact construction. It is also swell for trolling, either fast or slow. The adjustable connecting link assures free operation at all times. It is not necessary to bend the bill—a slight pressure on the connecting link or puller will cause the lure to run to the right or left, as desired. This feature assures true operation at all times.

No.	Color	No.	Color
2732	Black	2739	Yellow, Black Dots
2733	Silver Scale	2740	Silver Shad
2734	Red Head	2741	Frog
2735	Green Perch	2742	Orange and Black
2737	Pink, White Dots	2744	Black, White Dots
2738	Gold Scale	2747	Rainbow

¼ oz. Slow Sinker Midget Bomberette
Per doz. . . . . Suggested Retail . . $13.20 Cost . . $15.84

Brown's Bass Buzzer

Designed for surface or under water fishing. Can be fished in lily pads and moss without hanging or fouling. All parts rustless. Plated hook. Weight: 5-8 ounce.

Color Bucktail: Black, Black and White, Black and Yellow, Black and Red, White, Red, Red and White, Yellow, Natural Brown.

Packaged 6 on a card in cardboard box.

Bass Buzzer
Per doz. . . . . Suggested Retail . . $15.00 Cost . . $18.00

Foss Oriental Wigglers

For Bass, Pike, Muskies. Body made of tenite, finished in red and white. Figure 4 spinners. Weed-free action. Attach pork rind through hook to button. Packed 6 in a display box.

No. 3—Weight ⅝ oz. 3/0 hook
No. 4—Weight ½ oz. 1/0 hook

Foss Oriental Wigglers
Each . . . . Suggested Retail . . . $1.25 Cost . . . $1.50

Foss Shimmy Wigglers

Casting lure for Bass. Figure 4 spinner. New pattern bucktail, weed-free action. Furnished in assorted colors.

No. 5—Weight ⅝ oz. 3/0 hook
No. 6—Weight ½ oz. 1/0 hook
Packed 6 assorted one size in a display box.

Foss Shimmy Wigglers
Each . . . . Suggested Retail . . . $1.25 Cost . . . $1.50

Foss Dixie Wigglers

Furnished with figure 4 spinner. Weed-free action. Rides through the water with hook upright. Packed six assorted colors of one size in display box.

No. 13—Weight ⅝ oz. 3/0 hook
No. 14—Weight ½ oz. 1/0 hook

Foss Dixie Wigglers
Each . . . . Suggested Retail . . . $1.25 Cost . . . $1.50

No. 968 Midg-Orenos

The smallest lure of the Bass-Oreno type. Same darting, diving action. Length 2¼ inches. Has two No. 5 Treble hooks. Weight each ⅝ oz. Patterns: Red arrowhead, white body; yellow perch scale; pike scale; and scale finish, green. Packed 12 of a kind in a container.

No. 968 Midg-Orenos
Per doz. . . . . Suggested Retail . . $11.40 Cost . . $13.68
On South Bend Lures Specify Color When Ordering.

South Bend "Itsaduzy"

Semi - weedless metal lure with a streamlined body and specially formed, hammered metal head plate which gives it a lot of flash and a darting, rolling, minnow-like action. Combination wire line tie and weed guard, extra large formed eyes of yellow plastic and finished in durable enamel. Casts perfectly and comes through weeds or over weed beds nicely and may be worked shallow or deep by regulating speed or retrieve Overall length, 4¼ inches; weight, 5/8 ounce, Size 3/0 body hook and size 1 trailer hook. Weight per dozen, 1½ lbs.

No. E-543RW Red Arrowhead, white body, red hackle, red and white mixed bucktail
No. E-543WB White Arrowhead, black body, white hackle all black bucktail.
No. E-543BO, Black Arrowhead, orange body, black hackle, orange and white mixed bucktail

No. E-543BY, Black Arrowhead, yellow body, black hackle, yellow bucktail.
No. E-543RY Red Arrowhead, yellow body, red hackle, yellow bucktail.
No. E-543YG, Yellow Arrowhead, dark green body, dark green hackle, yellow bucktail.

One in a Box

South Bend "Itsaduzy"
Per doz. . . . . Suggested Retail . . $15.00 Cost . . $18.00

No. 00 Koutzky Fly Ikes

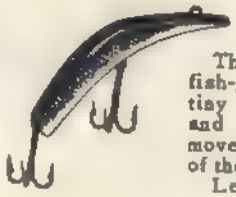
1-1/16 Inch - 1/32 oz.

It's brand new—a REAL fly rod Lazy Ike that swims with an authentic small-minnow quiver. Balanced so accurately that it wears TWO size 14 treble hooks. Should be used with extremely small snap to get freedom of action. Proves the best possible lure for trout and all fly rod fish.

KL-001 . . . . . Red and White
KL-002 . . . . . Black
KL-004 . . . . . Silver
KL-006 . . . . . Green
KL-007 . . . . . Orange
KL-008 . . . . . Brown

No. 00 Lazy Ike
Per Dozen . . . Sugg. Ret. . . $13.20 Cost . . . $15.84

No. 0 Koutzky's Tiny Ike



Fly Rod Size - Weight 1/15 Oz.

The fly rod Ike has irresistable fish-getting action. It's dynamite in tiny size. Unequalled for Trout, Bass and pan fish. Swims on the slowest movement making special manipulations of the rod unnecessary.

Length, 1¼ inches.

Colors

KL-01 RW	Red & White	KL-06 Frog	Frog
KL-02 Bl Sc	Black Scale	KL-07 Or S	Orange Spot
KL-03 Perch	Perch	KL-08 Br Sc	Brown Scale
KL-04 Sil Sc	Silver Scale	KL-09 Bl Rib	Black Rib
KL-05 YS	Yellow Spot		

No. 0 Tiny Ike
Per doz. . . . . Suggested Retail . . $13.20 Cost . . $15.84

Koutzky's Lazy Ike

For casting or trolling. Nothing has ever came close to the fish getting qualities of the Lazy Ike with its natural minnow action. Equally effective in stream or lake.

Individually packed in distinctive red, yellow and white box.

No. 1 - 2-Inch - 1/8-Ounce

Perfect live minnow action yet easily retrieved by any light tackle. Excellent for every kind of game fish from Crappies and Trout to Bass and Pike.

Colors

KL-11 RW	Red & White	KL-16 Frog	Frog
KL-12 Bl Sc	Black Scale	KL-17 Or S	Orange Spot
KL-13 Perch	Perch	KL-18 Br Sc	Brown Scale
KL-14 Sil Sc	Silver Scale	KL-19 Bl Rib	Black Rib
KL-15 YS	Yellow Spot		

No. 1 Lazy Ike . . Per doz. Sugg. Ret. $15.00 Cost $18.00

No. 2 - 2½ Inch - ¼ Ounce

For casting or trolling or slip casting. A triller and a killer for every kind of game fish, large or small. Fish don't "nudge" the Lazy Ike, they "smack" it.

Colors

KL-21 Rw	Red & White	KL-26 frog	Frog
KL-22 Bl Sc	Black Scale	KL-27 Or S	Orange Spot
KL-23 Perch	Perch	KL-28 Br Sc	Brown Scale
KL-24 Sil Sc	Silver Scale	KL-29 Bl Rib	Black Rib
KL-25 YS	Yellow Spot		

No. 2 Lazy Ike . . Per doz. Sugg. Ret. $15.00 Cost $18.00

No. 3 - 3 Inch - ½ Ounce

This is the top casting and trolling size. Has no equal for Bass and Pike or any fish that feeds on minnows. Perfect minnow swimming action at fast or slow speeds.

Colors

KL-31 RW	Red & White	KL 36 Frog	Frog
KL-32 Bl Sc	Black Scale	KL-37 Or S	Orange Spot
KL-33 Perch	Perch	KL-38 Br Sc	Brown Scale
KL-34 Sil Sc	Silver Scale	KL-39 Bl Rib	Black Rib
KL-35 YS	Yellow Spot		

No. 3 Lazy Ike . . Per doz. Sugg. Ret. $15.00 Cost $18.00

No. 4 Husky Ike - 3½ Inch - 5/8 Ounce

Floats when stationary. For husky fish and husky tackle. Has all the tantalizing action for which Lazy Ikes are famous. A natural for Large mouthBass, Northern Pike, Muskies.

Colors

KL-41 RW	Red & White	KL-46 Frog	Frog
KL-42 Bl Sc	Black Scale	KL-47 OS	Orange Spot
KL-43 Perch	Perch	KL-48 Br Sc	Brown Scale
KL-44 Sil Sc	Silver Scale	KL-49 B Rib	Black Rib
KL-45 YS	Yellow Spot		

No. 4 Husky Ike Per doz. Sugg. Ret. $16.80 Cost $20.16

No. T8 Kautzky "Top Ikes"

It pops! It gurgles! It splashes! This new Kautzky Top Ike gives you famous, fish-getting Lazy Ike action on the surface. Make it POP . . as noisy as you wish. Throws as much water as you want . . . really brings 'em up from the deep. Leaves beautiful top-water wake when swimming. An accurate, long-distance caster—bass and all surface-feeding fish smack it in wild fury.

3¼ Inch - 5/8 Ounce

KT-81	Red and White	**KT-86**	Frog
KT-82	Black	**KT-88**	Brown Scale
KT-85	Yellow Spot	**KT-89**	Black Rib

No. **T8** Top Ikes
Per doz. . . . . Suggested Retail . . **$15.00** Cost . . **$18.00**

Helin Surface Flatfish 3 Gang Hook

S3, SURFACE: 3-3/8" long. Bulkier in proportion to its length for greater buoyancy. No weight used on line. No leader necessary. Cast and retrieved or trolled entirely on the surface. Can be used underwater with sufficient sinker on line at least a foot in front of the plug, but the underwater models are preferred for this. No rod manipulation necessary either, though, if done right, is sometimes of added benefit.

Colors Stocked:

OB	Orange	**SAS**	Small Aluminum Scale
YB	Yellow	**SC**	Small Scale
WB	White	**FR**	Frog

No. **S3** Surface Flatfish
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**

Helin Standard Underwater Flatfish

U20, STANDARD UNDERWATER: 3¼" long. The one indispensable Flatfish. Cast or trolled, preferably with a weight pinched on the line or leader 12 inches ahead of the lure. In every respect its underwater action outclasses anything heretofore developed. Our fastest selling bass size. Good on walleyes, trout and pike besides.

Colors Stocked:

OB	Orange	**SAS**	Small Aluminum Scale
YB	Yellow	**SC**	Small Scale
WB	White	**FR**	Frog

No. **US20** Underwater Flatfish
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**

Helin X4 Expert, Jr. Flatfish

X4, EXPERT, Jr.: 2½" long. A still smaller casting and trolling size. The two X sizes are good with spinning outfits but especially so because no other light lure comes near possessing that enticing slow reel action. The Flatfish action is something that I still marvel at myself and I created it. The west coast anglers soon discovered what it does to the steelhead trout. We have hardly been able to make them fast enough. That is, this X4 model. For bass, either cast or trolled, in heavily fished waters this size takes them when they are too scared to tackle anything bigger.

Colors Stocked:

OB	Orange	**SAS**	Small Aluminum Scale
YB	Yellow	**SC**	Small Scale
WB	White	**FR**	Frog

No. **X4** Expert
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**

Helin F6 Fly Rod Model Flatfish

F6, FLY-ROD MODEL: 2" long. For fly-rod work it can be used unweighted and, when bait cast is used with a small weight on the line or leader. One of my boys, when only 8 years old, could cast this model with a standard rod and reel and catch all kinds of game fish with it. Runs pretty close to the F7 in point of sales. This size is particularly good in small streams or trolled in small or large lakes for trout. It has proved so effective in crappie fishing that in some sections nothing else is considered worth using. Slow trolling is the method used.

Colors Stocked:

OR	Orange	**WH**	White
LO	Light Orange	**FR**	Frog
YE	Yellow	**SI**	Silver Bronze (Aluminum)

No. **F6** Fly Rod Model
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Helin F4 Baby, Jr. Flatfish

F4, BABY, JR. MODEL: 1½" long. Until last year this was the smallest size we were able to make successfully. It is a good swimmer, as are all other Flatfish, or we wouldn't offer them for sale. Surely millions of anglers must have had dreams of SWIMMING lures in these small Fly Rod sizes such as we make. No wonder it sells into the millions. It casts good on a fly-rod and, with a small weight, can be nicely adapted to spinning gear.

Colors Stocked:

OR	Orange	**WH**	White
LO	Light Orange	**FR**	Frog
YE	Yellow	**SI**	Silver Bronze (Aluminum)

No. **F4** Baby
Per doz. . . . . Suggested Retail . . $13.20 Cost . . **$15.84**

Wobblers - Formed with Curve for Darting

Equipped with treble hook and stainless steel removable mounting permitting interchange of hook and swivel, also addition of weed guard.

No. S54 Small Wobbler; length, 3 to 4 inches; wt., ½ to 5/8 ounce. Per doz. . . . Sugg. Ret. $16.20 Cost . . **$19.44**
No. S58 Small (Wounded) Wobbler, with blood-red marks at gills and underside; length, 3 to 4 inches; Wt., ½ to 5/8 ounce. Per doz. . . . Sugg. Ret. $16.20 Cost . . **$19.44**
No. S55 Medium Wobbler; length, 4½ to 5½ inches; wt., 7/8 to 1-1/8 oz. Per doz. Sugg. Ret. $18.00 Cost . . **$21.60**

Individually Packed in Transparent Plastic Tubes

No. S265 Actual Spin-ster

Cast this REAL FISH any distance-the Spin-ster will still look alive and remain undamaged. Now spinning enthusiasts can "use a fish to catch a fish!" Fish it shallow-fish it deep. PERFECTED LIVE MINNOW ACTION controlled by rod tip motion. Approx. size 2½" to 3". Approx. wt. ¼ oz.

No. S265 Actual Spin-ster
Per doz. . . . . Suggested Retail . . $13.80 Cost . . **$16.56**

No. S267 Skip-Dip Spin-ster

Fish it on the surface—fish it deep with the same high and low gliding (porpoise-like)action. Attached parallel plane fins give it the skip and dip motion. Each ACTUAL LURE is individually packed in sturdy, reusable plastic tube. Beautiful 3-color display box holds1 dozen.

No. S267 Skip-Dip Spin-ster
Per doz. . . . . Suggested Retail . . $13.80 Cost . $16.56

No. H-25 Actual Hopper

Processed in strong, flexible plastic. Will resist "strike" shock. Rides up leader when fish hits.

No fuss—no waste. Ready for fishing. Use it over and over. Holds natural position in water when submerged and pulled to surface.

Sales compelling packaging. 12 individual clear plastic containers cleverly attached on 3-color compact easel for space-saving counter display.

No. H-25 Actual Hopper
Per doz. . . . . Suggested Retail . . $6.00 Cost . . **$7.20**

L & S Mirrolures - Bassmaster Size

Skip-Dip Fish it on the surface—fish it deep with the same high and low gliding (porpoise-like)action. Attached parallel plane fins give it the skip and dip motion. Each ACTUAL LURE is individually packed in sturdy, reusable plastic tube. Beautiful 3-color display box holds 1 dozen.

A first cousin to the ever-popular Bass-Masters only with that sensational built-in "flash". Sides of this lure flash as brightly as the sides of a live minnow. 15M is the fast-sinking model and 25M the slow sinking plug.

Length 3 inches, Wt. ½ oz., two No. 2 treble hooks.
Fast Sinker: Nos. 15M11, 15M18, 15M19, 15M21, 15M22, 15M23, 15M25, 15M28.

Slow Sinker: Nos. 25M11, 25M18, 25M19, 25M21, 25M22, 25M23, 25M25, 25M28.

The last two figures designate color. Refer to PAN-FISH MASTER REGULAR for correct color wanted. Use CORRECT NUMBER WHEN ORDERING

No. L & S Bassmaster Size
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**

L & S Panfish Mirrolures

A 1/4 ounce lure with the sensational built in "flash" developed by the makers of the famous line of L&S Lures. It cannot rub off or lose its brilliance. Excellent for spinning and light casting.

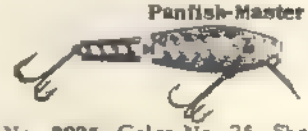
Length 3 inches, Wt. ½ oz., two No. 2 treble hooks.

Stock: OOM11, OOM18, OOM19, OOM21, OOM22, OOM23, OOM25, OOM28.

The last two figures designate color. Refer to PAN-FISH MASTER REGULAR for correct color wanted. Use CORRECT NUMBER WHEN ORDERING

No. L & S Panfish Mirro-Lures
Per doz. . . . . Suggested Retail . . $15.00 Cost . . **$18.00**

Panfish-Master - Sinker Only

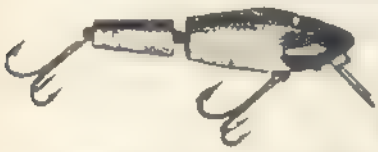


Length, 2½ inches; wt., ¼ oz. Sinker retrieves at 2 to 8 feet depth.

No. 0025, Color No. 25, Shad; White Belly, Grey Black and Speckles
No. 0019 Color No. 19, Yellow Flash; Yellow Body, Green Back, Silver Flash
No. 0021, Color No. 21; White Belly, Black Back and Speckles
No. 0028, Color No. 28, Goldfish; Yellow Belly, Orange Back and Speckles
No. 0011, Color No. 11, Red Head; White Body and Red Head
No. 0032, Color No. 32; White Belly, Black Back and Stripes
No. 0042, Color No. 42; Yellow Body, Brown Bars
No. 0018, Color No. 18, White Flash; White Body, Green Back, Silver Flash
No. 00FF Color No. FF, Frog; Yellow Belly, Green Back, Yellow and Black Spots
No. 0022, Color No. 22 White Belly, Green Back and Speckle
No. 0044, Color No. 44; Black Body, White Bar
No. 0023, Color No. 23; Yellow Belly, Brown Back and Speckles

Panfish-Master
Per doz. . . . . Suggested Retail . . $13.80 Cost . . **$16.56**

Bass-Master



Length, 3-inches; wt., ½ ounce.
Fast Sinker retrieves at 3 to 8 feet in depth; Slow Sinker, ½ to 2 feet in depth.

Color No. 25 - Shad - Yellow Belly, Green Back and Speckles

No. **1525** Fast Sinker No. **2525** Slow Sinker

Color No. 19 - Yellow Flash - Yellow Body, Green Back, Silver Flash

No. **1519** Fast Sinker No. **2519** Slow Sinker

Color No. 21 - White Belly, Black Back and Speckles

No. **1521** Fast Sinker No. **2521** Slow Sinker

Color No. 28 - Gold Fish - Yellow Belly, Orange Back and Speckles

No. **1528** Fast Sinker No. **2528** Slow Sinker

Color No. 11 - Red Head - White Body, Red Head

No. **1511** Fast Sinker No. **2511** Slow Sinker

Color No. 32 - White Belly, Black Back and Stripes

No. **1532** Fast Sinker No. **2532** Slow Sinker

Color No. 42 - Yellow Body, Brown Bars

No. **1542** Fast Sinker No. **2542** Slow Sinker

Color No. 18 - White Flash - White Body, Green Back, Silver Flash

No. **1518** Fast Sinker No. **2518** Slow Sinker

Color No. FF-Frog Yellow Belly, Green Back, Yellow and Black Spots

No. **15FF** Fast Sinker No. **25FF** Slow Sinker

Color No. 22 - White Belly, Green Back and Speckles

No. **1522** Fast Sinker No. **2522** Slow Sinker

Color No. 44 - Black Body, White Bars

No. **1544** Fast Sinker No. **2544** Slow Sinker

Color No. 23 - Yellow Belly, Brown Back and Speckles

No. **1523** Fast Sinker No. **2523** Slow Sinker

Order by number so as to receive correct bait.
Bass-Master
Per doz. . . . . Suggested Retail . . $15.60 Cost . . **$18.72**

Lif-Lik Merry Minnow Lures

For Fly Rod, Trolling, Casting or Spinning

The most Lif-Lik lure made of a new type of plastic Amazing to touch - Nature's own action - Fantasuc results. Equipped with a

No. 2 hook and a spinner. Individually cellophane wrapped on printed card. Weight 3/16 ounce.

No.	**300**	**301**	**302**
Color	Gold	Blue Grey	Olive Green
Sugg. Ret.	$12.00	$12.00	$12.00
Cost Doz.	**14.40**	**14.40**	**14.40**

One Dozen in a Display Carton

Lif-Lik King Minnow Lures

For Casting or Trolling

The Most Lif-Lik lure made of a new type plastic. Amazing to touch - Nature's own action Fan - tastic results.

Equipped with a plated No. 3/0 double hook. Weight, 3/8 ounce. Each in transparent window box.

No.	**405**	**406**	**407**
Color	Olive Green	Blue Grey	Gold
Sugg. Ret.	$16.20	$16.20	$16.20
Cost Doz.	**19.44**	**19.44**	**19.44**

One Dozen in a Display Carton

Paul Bunyan's "66"

Has continuous fish attraction action in the water and its weighted head holds it in proper position at all times. Never rolls or twists the line. Strong, stainless steel shaft with snap lock, the hook can be instantly detached. Spinner finish, Nickel.

Specify Color When Ordering

Casting No.	Weedless Fly Rod No.	No.	Color
C-66-1	W-66-1	F-66-1	Red & White Streamer
C-66-2	W-66-2	F-66-2	Red Yel., Black Streamer
C-66-3	W-66-3	F-66-3	Black Yel. Black Streamer
C-66-4	W-66-4	F-66-4	White Streamer
C-66-5	W-66-5	F-55-5	Black, White Streamer
C-66-6	W-66-6	F-66-6	Red Streamer
C-66-7	W-66-7	F-66-7	Grey, Red Streamer
C-66-9	W-66-9	F-66-9	Brown Streamer
C-66-10	W-66-10	F-66-10	White, Red Streamer
C-66-11	W-66-11	F-66-11	Natural Bucktail
C-66-12	W-66-12	F-66-12	Yellow Bucktail

Casting - Weight, 3/8-Oz. - Size No. 1/0 Hook

The No. 1 Bass Bait; equally effective with Walleye, Northern Muskies, Crappies and all type of game and pan fish. For fresh or salt water. Length, 3-inches.
Per doz. . . . . Suggested Retail . . $15.00 Cost . . **$18.00**

Weedless - Weight, 3/8 Oz. - Size No. 1/0 Hook

Totally weedless model created for fishermen who desire to fish weedy spots with the original "66" Lure. Length, 3-inches.
Per doz. . . . . Suggested Retail . . $16.20 Cost . . **$19.44**

Fly Lure - Weight 1/25 Oz. - Length, 2-Inches

A better designed fly rod lure with a fly and spinner combination on a light assembly with plastic head that keeps the lure in perfect position and action at all times. Perfectly adapted to fly rod use.
Per doz. . . . . Suggested Retail . . $12.00 Cost . . **$14.40**

One Dozen in a Box; shipping wt., 3lbs.

No. S66 Paul Bunyan Spinning Lures

The Bunyan "66" in a light model for the Sportsman who prefers light tackle. It's a perfect Spinning lure! Length: 2 inch. Weight: ¼ oz. Size Hooks: No. 6.

Ind. packaged or 1 dozen assorted on display card.

S-66-1	Red White, Streamer
S-66-2	Red Yellow, Black Streamer
S-66-3	Black Yellow, Black Streamer
S-66-4	White Streamer
S-66-5	Black, White Streamer
S-66-6	Red Streamer
S-66-7	Grey, Red Streamer
S-66-8	Yellow Streamer
S-66-9	Brown Streamer
S-66-10	White, Red Bucktail
S-66-11	Natural Bucktail
S-66-12	Yellow Bucktail

Per doz. . . . Suggested Retail . . $12.00 Cost . . **$14.40**

True Temper Fly Rod Spinners

For use with fly rod. Comes out of the water without drag. Fast action, unbalanced spinner revolves on tempered shaft with slightest motion of rod. Made in two sizes. Packed six on a card with bucktail flies in assorted colors.

No. 34 Bass size, No. 3 Sneck Hook

No. 35 Trout size, No. 5 Sneck Hook

Doz. . . Suggested Retail . . . $7.20 . . . Cost . . . $8.64

No. 971 Trout-Orenos

Extremely strong, yet light in weight. Easy to cast and easy to pick up. An aluminum plate, cemented into the body, connects hook and line. Length, 1⅝ inches, weight, ⅛ ounce. Packed one on a card, four connected, three cards per container. Weight per container, 6 ounces. Supplied in choice of patterns: Red arrowhead, white body; yellow perch scale; imitation frog; scale finish, green; and yellow, red and brown decorations.

No. 971 Trout-Orenos
Per doz. . . Suggested Retail . . $10.20 Cost . . $12.24
Specify pattern when ordering.

No. 970 Fly-Orenos

An aluminum plate connects line tie with hook and runs through body of lure. Very light weight, 1/20 ounce and easy to cast. Length, 1⅛ inches. Packed one on a card, four connected, three cards per container. Weight per container, 5 ounces. Patterns red and white; yellow perch scale; and imitation frog, green.

No. 970 Fly-Orenos
Per doz. . . Suggested Retail . . $9.00 Cost . . $10.80
Specify pattern when ordering

No. 593 Trix-Orenos

For fly or cane pole use. Length, 1⅛ in. Size 6 hook. Supplied with barrel swivel for line attachment and bangle for added flash. One dozen in container. Weight, ¼ lb. Colors: Red head white body, chromium, gold.

No. 593 Trix-Orenos
Per doz. . . Suggested Retail . . $9.00 Cost . . $10.80
Specify pattern when ordering

No. 594 Trix-Orenos

Effective lure for trout, game fish and panfish. Length, 1⅝ inches. Size 1 hook. Supplied with barrel swivel and rubber pork rind for added attractiveness. Supplied in red head and white body; chromium and gold. Packed one dozen in container. Weight, ¼ lb.

No. 594 Trix-Orenos
Per Doz. . . Suggested Retail . . $9.00 Cost . . $10.80
Specify pattern when ordering

Stuart's Goldfish Lure

Worth its weight in gold! If you want to drive game fish crazy, here's what the doctor ordered. For spinning, trolling, and casting here is a bait that really catches fish. Has a crippled minnow action, casts like a bullet and won't twist the line.

Length 1-7/8".

No. 485 3/16 oz. Brass & Chrome Assortment
Per doz. . . Suggested Retail . . $6.60 Cost . . $7.92
No. 490 ¼ oz. Blue, Green, 24K. Gold
Per doz. . . Suggested Retail . . $9.00 Cost . . 10.80

Hilde-Standard Single Spinners

Nickel Finish

Blade hinged to shaft with lug that does not stick. Spins easily whether you operate fast or slow. Can be used with fly combination. Mounted three or six on a card, 3 doz. in box.

No.	Per Doz. 0H	1H	2H	2½H	3H	3½H
Blade. In.	⅞x⅞	⅞x⅞	⅞x1⅛	1x⅞	1⅛x⅝	1⅜x¾
Sugg. Ret.	1.80	1.80	1.80	1.80	1.80	2.40
Cost	2.16	2.16	2.16	2.16	2.16	2.88

Hilde-Double Standard Spinners

Nickel Finish

Recommended for murky water. Smaller sizes can be used with fly-rod. They spin easy with no heavy drag on the rod tip. Have quick-change loop which makes fly changing easy. Mounted 3 or 6 per card.

No.	Per Doz. OHD	HD	2HD	2½HD	3½HD	4HD
Blade, In.	⅞x⅞	⅞x⅞	⅞x1⅛	1x⅞	1⅛x⅝	1⅜x¾
Sugg. Ret.	3.00	3.00	3.00	3.00	3.60	5.40
	3.60	3.60	3.60	3.60	4.32	6.48

Hilde Flicker-A Spinners

Nickel Finish

Suitable for use when fishing for trout, bass, pike, panfish and muskellunge. Smaller size Flicker for fly-rod use. Large for bait casting. Will dart and dash, slither on its side, wobble and act like a wounded minnow struggling to get away. Small bangles on hook put on a lot of action.

No.	Per Doz. 0FL	1FL	2FL	2½FL	3FL	3½FL
Wt. oz., Each	1/40	1/32	1/20	1/16	1/10	1/5
Blade, In.	⅞x⅞	⅞x⅞	⅞x1⅛	1x⅞	1⅛x⅝	1⅜x¾
Sugg. Ret.	3.60	3.60	4.20	4.20	5.40	6.60
Cost	4.32	4.32	5.04	5.04	6.48	7.92

One on a card in cellophane; one dozen in a box

Indiana Spinners

Without Hooks or Flies

Metal blade, polished nickel both sides; mounted on piano wire shafts with folded hinge lugs and improved sliding sleeve connection. Blades are treated to prevent tarnish.

Mounted one on a card with four cards connected. Packed 3 dozen to a container. Weight per container, 8 to 10 ozs.

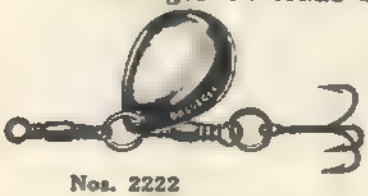
Single Blade

No.	0N	1N	2N	3N	4N
Sugg. Ret.	2.00	2.00	2.00	2.30	3.00
Cost	2.40	2.40	2.40	2.76	3.60

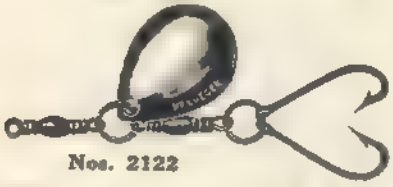
Double Blade

No.	0TN	1TN	2TN	3TN	4TN
Sugg. Ret.	3.00	3.00	3.00	3.60	4.60
Cost	3.60	3.60	3.60	4.32	5.52

Pflueger Colorado Spinners



Nos. 2222



Nos. 2122

Spinner blades treated to prevent discoloration; mounted with steel split rings, brass plated, and brass barrel swivels. Plain polished metal blades. With ringed treble hook or two ice-tong type single hooks.

Nos. 2122 and 2222 — Polished Nickel both sides.

Size	2-0	1-0	1	2	3	4
Length Blade, In.....	¾	⅞	1	1⅛	1⅜	1⅝
Width Blade, In.....	11/64	13/64	15/64	17/64	19/64	1/4
Loose Hooks, Size...	8	6	4	2	1	2/0
Treble Hook, Size ...	10	8	6	4	2	1
No. 2122 Loose Hooks (Per Dozen)						
Suggested Retail	3.00	3.00	3.00	3.00	3.60	3.60
Cost	3.68	3.80	3.80	3.80	4.40	4.40
No. 2222 Loose Hooks						
Suggested Retail	3.00	3.60	3.60	3.60	3.60	3.60
	3.96	4.10	4.10	4.10	4.70	4.70

Plastic Utility Boxes

Crystal-clear, rigid plastic boxes for fishing tackle, nuts and bolts and small parts. Supplied in colors upon request. Light, hard and durable. They retain original polish. These boxes have many second uses.

P-201

P-202

P-210

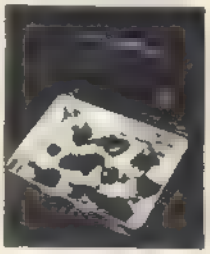
P-220

No.	P-200	P-201	P-202	P-210	P-220
Compartments	18	12	7	9	6
Length, In.	8¼	8¼	8¼	7	4⅛
Width, In.	4¼	4¼	4¼	3½	2¾
Depth, In.	1¼	1¼	1¼	1⅞	1
No. in Ctn.	24	24	24	36	36
Wt. each, oz.	8	7	7	5	4
Sugg. Ret.	1.10	1.00	1.00	.75	.50
Cost	1.32	1.20	1.20	.90	.60

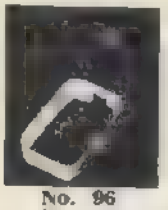
Bill DeWitt Magnetic Fly Boxes

For Dry Flies

Ten rust-proof magnets that never lose their holding power. Carry flies without crushing, flies can be taken out without touching the wings or hackles. White or transparent box, with transparent cover.



No. 90



No. 96

Holds 12 flies, easily and securely. Size, 3x2x¼ inches. Weight each, 1½ ounces.

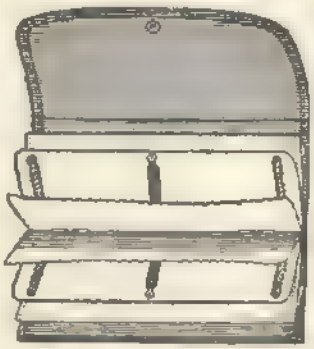
No. 96 Fly Boxes
Ea. Sug. Ret. . $.85 . Cost . $1.02

No. 90

Carry as many as 50 flies without crushing. Measures 3½x5x7/8 inches. Weight each, 2¾ ounces.

No. 90 Fly Boxes
Each . . Suggested Retail . . . $2.75 . . . Cost . . . $3.30

Gallager Vest Pocket Fly Books



Vest Pocket Fly Books are made in a convenient size so that they can be carried in the small pockets and still have a good supply of flies ready for use.

Covers are all of good substantial materials, with one or two pockets on inside and in some books two parchment envelopes for leaders, etc. are added. The leaves are equipped with rust-proof springs and a felt drying pad is supplied for each leaf. All parchment leaves and envelopes have been waterproofed, making them very serviceable. All Vest Pocket Books are 6 x 2½ inches in size.

No. 1607 — Imitation Leather, parchment leaves, 2 or 4 dozen flies carried.

No. 1607/4 Suggested Retail . . $1.25 . . Cost . . $1.50

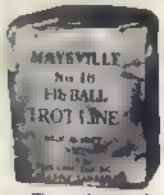
Gallager Vest Pocket Fly Books

These fly books have velopes instead of springs and can be used for carrying flies, leaders, etc., all of which can be clearly seen and easily removed. Envelopes are of white tag cloth with transparent celluloid front and each book is equipped with a felt drying pad.

6½ x 3½ **1761** Shark Grain Split Cowhide, four envelopes.

No. 1761 . . Suggested Retail . . $2.00 . . Cost . . $2.40

Trot Line



Trot lines in balls are packed individually in strong paper envelopes, plainly printed with size and weight.

In Balls						
No.	8	12	16	20	24	32
Balls, Wt., Lbs	½	¾	1	1¼	1½	2
Feet per Lb.	205	195	185	140	100	90
Per Lb.						Market

10 Pound Tubes

No. 12, 16, 20, 24, 32 ..... per Lb. **Market**

25 Pound Tubes

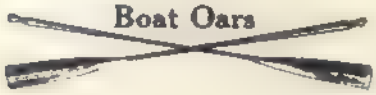
No. 12, 16, 24, 32 ..... per Lb. **Market**

Indian Brand Canoe Paddles

Canoe paddles made from selected timber, thoroughly cured. All extra light, all blades are 6½ inches wide. Finished with three coats of Spar Varnish. Display rack as illustrated furnished free with first order of 12 paddles. Packed 12 to a carton, one length.

No.	Suggested Retail	Cost
3½'	$2.00	$2.40
4'	2.25	2.70
4½'	2.50	3.00
5'	2.75	3.30

Boat Oars



No. 30 Best grade white ash.						
Length, Ft.	6	6½	7	7½	8	8½
Weight, Pair, Lbs.	6	7	7½	8	9½	11
Suggested Retail	$7.80	$ 8.45	$ 9.10	$ 9.74	$10.40	$13.26
Cost (Per Pair)	9.36	10.14	10.92	11.70	12.48	17.16

No. 35 Best grade spruce.					
Length, Ft.	6	6½	7	7½	8
Weight, Pair, Lbs.	6	7	7½	8	9½
Suggested Retail	$10.60	$11.40	$12.20	$13.00	$13.80
Cost (Per Pair)	12.72	13.68	14.64	15.60	16.56

Oar Locks

No. 7

No. 22

No 59

Zinc Plated

No. 7 North River pattern, with pin, 2 in. opening. Wt. per pair 21 ozs.
Per pair . . Suggested Retail $1.33 . . . Cost . . . $1.60
Extra Sockets for No. 7
Each . . . . Suggested Retail $ .25 . . . Cost . . . $ .30
Extra Horns for No. 7
Each . . . . Suggested Retail $ .37 . . . Cost . . . $ .44
No. 22 Moline, 1½ in. opening, wt. pair 35 ozs.
Per pair . . Suggested Retail $1.83 . . . Cost . . . $2.20
Extra Sockets for No. 22
Each . . . . Suggested Retail $ .50 . . . Cost . . . $ .60
Extra Horns for No. 22
Each . . . . Suggested Retail $ .42 . . . Cost . . . $ .50
No. 59 North River Horn, 22 socket. Wt. per pair 1 lb., 13 ozs.
Per pair . . Suggested Retail $1.83 . . . Cost . . . $2.20
Extra Sockets for No. 59
Each . . . . Suggested Retail $ .50 . . . Cost . . . $2.20
Extra Horns for No. 59
Each . . . . Suggested Retail $ .37 . . . Cost . . . $ .44

Eagle Flex-Spout Filler Cans

Seamless drawn steel bodies with breast, ears, spout holders tilting handles attached by welding. Leak-proof, asbestos lined flexible pouring spout. Capacity, 2½ gallons. Wt. per dozen, 72 lbs.

No. 72½ Filler Cans
Suggested Retail . . . $80.00
Cost (Per Doz.) . . . [illegible]

Eagle Pressure Pump Filler Can

No. 75-P

GASOLINE FILLER CAN

Fast, Convenient Filling Action

A "Modernly Designed" practical filler for all types of gasoline powered boats. "Sturdy" built with the customary EAGLE well-known quality materials, designing and workmanship. "Fast Filling Action" with an air pump that operates easily. A setting on both pump and exhaust valve controls internal pressure

Handy-To-Use - no funnels needed when filling the tank, the operator need not stand or kneel in the boat when filling. Just insert the rubber spout nozzle securly in the tank to maintain the seal.

No.	Capacity Gallons	Weight Per Dozen Pounds	Packed Doz. In Shipping Carton	Suggested Retail	Cost
75-P	5	100	1/3	$12.25	$14.70

Phil Rite Gasoline Cans

Easy to carry and low enough to permit storage under the seat of a boat, in car trunks or club lockers. Size 9½ x 17 x 6½ inches high. Doubly safe because of low center of gravity, plus positive closure of the airvent and nozzle in one locking operation.

The flexible synthetic hose permits the can to be held away from the tank, providing unobstructed view while filling. Has no springs and no valves. Raising the can starts the flow, lowering it stops the flow. Capacity 2½ gallons. Weight, per carton of four, 25 lbs.

No. 2518 Phil Rite Gasoline Cans
Each . . . . Suggested Retail . . $8.95 Cost . . $11.94
Packed 4 to a divided carton.

Phil Rite Gasoline Cans

Push Button
Flow Control

How it works: As the fuel pours out of the can it instantly creates a vacuum. This vacuum immediately effects a 99% flow reduction. Push the button and air enters and full hose capacity is instantly restored; release the Push Button and with equal speed the flow is again reduced. It works equally well whether full, half-full or nearly empty. Best results obtained using standard hose and screen combination furnished with each can. Nothing to leak or get out of order. This is not a gadget. It is based on tried and proven principles of physics, engineered to fit the job.

No.	12	13	15
*Capacity Gals.	2	3	5
Size, In.	6½x11	9¼11	13¾x11
No. in a Carton	4	3	3
Shipping Wt. Carton	11	9¾	14
Suggested Retail	$2.95	$2.95	$2.95
Cost Each	3.90	3.90	3.90

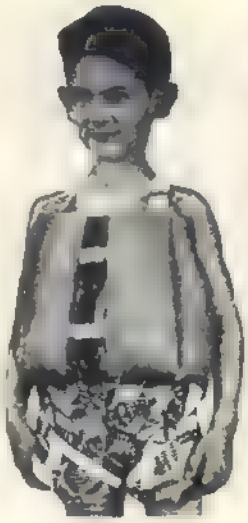
*All sizes contain plus capacity for addition of Motor Oil.

Pump Attachment - Fits All Push-Button Cans

Only a few strokes of the air bulb are required to maintain a steady uniform flow; no watching or distraction from the main job or filling the tank. Pinch the hose and the fuel stops. Clip at the end of the hose for permanent shut-off. 48-inch neoprene hose. Can also be used on other cans with 1¾ inch standard neck. Hose can be pushed in and out of the cap to suit depth of can. Packed 12 in a carton; 72 in master carton, wt., 25-lbs.

No. 235 Pump Attachments for Push Button Cans
Each . . . . Suggested Retail . . $1.98 Cost . . $2.38

Wilco Float Coats



Child's Life Jacket

Not just for the beginner but also for the good swimmer - the Wilson Float Coat never tires, as does the child, Made with new leg straps, which fasten around the leg - absolutely prevents jacket from coming off in the water. Lightweight, it is filled with Java Kapok. Full freedom of normal body motions. Fast colors.

Colors: Orange and Blue Reversible. Made in four sizes. Wt. per dozen, 24-lbs.

No. 100 Extra Large: 12 to 15 years.
No. 100 Large: 7 to 12 years.
No. 100 Medium: 4 to 7 years.
No. 100 Small: 2 to 4 years.
Each . . Sugg. Ret. $4.85 Cost $3.80

Wilco Life Vests

Model 4000

Covered with Khaki drill and filled with best quality buoyant kapok. Made in three snug fitting sizes for those who desire an all around Life Preserver vest that is practical and convenient.

Approximate weight per dozen. 31-lbs.

No. 4000 Small: Chest size 32 to 36.
No. 4000 Medium: Chest size 38 to 42.
No. 4000 Large: Chest size 44 to 54.
Ea. Sugg. Ret. $7.95 Cost $9.54
One dozen in a carton.

Wilco Fisherman Jackets

Action-free safety. Short waist length. Lightweight, cool to wear. Filled with 20 ounce Java Kapok - same filling as used in Standard Coast Guard Jackets. Fast, durable, Forest Green material.

Size: Universal, adjustable from 32 to 56. Weight per dozen. 27-lbs.

No. H1500 Fisherman Jackets
Ea. Sugg. Ret. $6.75 Cost $8.10
One Dozen in a Carton.

Life Preserver Boat Cushions

U.S. Coast Guard approved. For use on motor boats of classes A, 1 and 2; under 40-ft. long. Covered with extra heavy leatherette embossed with colonial grains; filled with 20 ounces of Java Kapok. Wide boxing and double welt seams in contrasting colors. Grip handles on each end; double tacked for extra strength.

Size, 15x15 inches; Colors: Red, Blue, Green
Ship. wt., 27-lbs. per Doz.

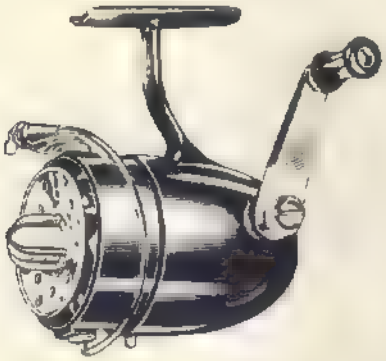
No. 1618 Boat Cushions . . . . . Each
Suggested Retail . . . . . $4.45 Cost $5.34

R–2 Spinning Reel

Manufactured of duraluminum alloy — equipped with full pickup arm or wire and anti-reverse lock. Packed one piece per box and 50 reels per case, with approximate gross weight per case of 55 lbs.

No. R2 Spinning Reels
Each . . . . Suggested Retail . . $11.50 Cost . . **$13.80**

Langley Self-centering Spinlite Spinreel



The Spinlite is a true spinning reel of perfected American design . . . improved in every detail with many new features to make this new kind of fishing more fun, more successful for everyone. 1. AUTOMATIC ANTI-REVERSE. . . no handle spin when fish strikes . . . runs controlled by automatic drag. 2. SELF-CENTERING BAIL . . . Langley's sensational new feature that makes spinning easy for all anglers, beginners, as well as experts . . . Reverse turn of handle automatically stops line pick-up at top of spool in perfect casting position. No guessing. 3. HELICAL GEARS . . . noiseless and smooth as silk. All gears are genuine precision machine cut helical gears of finest materials. 4. BUILT-IN DRAG BRAKE . . . Easy positive adjustment. 5. QUICK CHANGE SPOOL . . . No nut or other part to remove or lose. Changing spool does not effect brake adjustment. The Spinlite's "open spool" increases casting distance. Free line flow is not "choked" by any enclosure. High speed retriever gear ratio. Line capacity 200 yards of 6 lb. test.

No. R810 Spinreel
Each . . . . Suggested Retail . . $24.75 Cost . . **$29.70**

South Bend SpinCast Reel

Gear housing, leg and rod clip are 1-piece aluminum casting, spool and pickup housing cone spun aluminum, both finished in rich maroon. Anodized aluminum, oversize, micrometer-accurate clutch and drag adjustment ring. Specially hardened steel drive shaft and precision-cut 4-to-1 ratio gears. Non-reversing crank. Lifetime Carboloy pickup. Crank and knurled ratchet ring assembly bright chromium plated. Black crank handle. Spool capacity: 300 yards 3 lb. test (.008") Deceiver Nylon Monofilament Spinning Line, 200 yards 5 lb. test (.010") line, 130 yards 8-lb. test (.012") Monofilament Spinning Line.

No. 1100 Spincast Reel
Each . . . . Suggested Retail . . $27.50 Cost . . **$33.00**

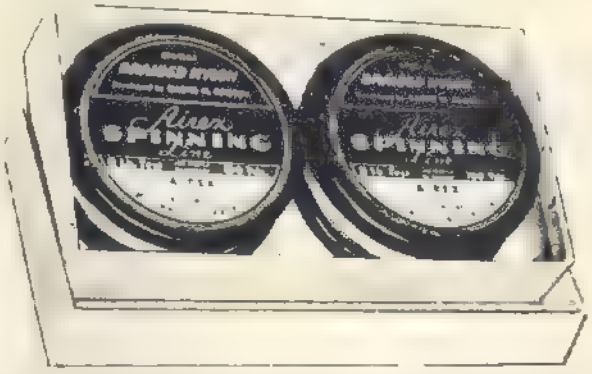
Heddon "SpinPal" Spinning Reel

No fumbling, handle reverses to release line from foulproof pickup device. This means more casts, more fish. Oversize clutch gives smooth, positive drag. Anti-reverse button prevents handle turning backwards when large fish is on. Available in either left or right hand models. Properly beveled spool for smooth slip-off of line. Handy collapsible handle, no tools necessary. Coin-slot plug for easy lubricating. Adequate line capacity, two spool sizes available. Standard and large; standard furnished unless large is specified.

Beauty, simplicity and sound engineering make the Heddon "Spin-Pal" a standout value. Bronze gears are precision machined for smooth, silent operation; cast aluminum frame, anodized to give complete protection in salt water; lightweight throughout yet rugged enough to give a lifetime of service.

No. 250 & 250L Spinning Reel
Each . . . . Suggested Retail . . $25.00 Cost . . **$30.00**

Airex Nylon Spinning Lines



Monofilament Nylon. Braided to exacting specifications, held to the smallest and most uniform diameter. Designed exclusively for spinning tackle. Line is hard, round, flexible — "flexie cord" core; waterproof, needs no drying; pre-stretched for instant hook-setting. 100 yards per spool, 2 spools connected.

No.	451	456	461	466
Test, Lbs.	3	4	6	8
No. in Carton	12	12	12	12
Shp. Wt. Ctn. Lbs.	3	3	3	3
Suggested Retail	$1.35	$1.45	$1.65	$2.00
Cost	1.62	1.74	1.98	2.40

Newton Soft Sea Green Monofilament Line

Packed in 100 yard spools. Connected Twin Pak. Stock sizes. Nos. 4, 6, 8, 10, 12, 15.

No.	4	6	8	10	12	15
Sugg. Ret.	$1.40	$1.60	$1.80	$2.00	$2.40	$2.80
Cost 100 yds.	1.68	1.92	2.16	2.40	2.88	3.36

SPINNING SECTION

Gladding Rapid Caster Braided Nylon Spinning Line

Thousand of spinning enthusiasts swear by RAPID CASTER. Made of finest quality nylon. It is easier for beginners to handle than monofilament because it is completely limp, a quality which allows casting errors without causing a snarl. It casts so effortlessly that even bail casters use it when they want an especially light line. Color: Salt and pepper. 100 yd. spools—2 in plastic box.

Test, Lbs.	4-6-8	10	12	14	17	20
Sugg. Ret.	$2.20	$2.25	$2.35	$2.45	$2.60	$2.75
Cost	2.64	2.70	2.82	2.94	3.12	3.30

Per 100 yds.

Gladding-Processed Platyl Monofilament

Platyl is a basic material—it is not nylon. It is the famous imported monofilament, especially processed by the oldest fishing line company in America. Result of this combination, a spinning line that is really sensational. Only Gladding Platyl has all these features: Won't spring off spool. Knots won't slip. Won't kink. Stabilized. Rewinds perfectly every time. Casts light lures farther. Smaller diameter for any pound test than any other monofilament. Special translucent quality makes it invisible on the water. Color: Mist.

100 yd. spools 2 in Plastic Box

Nos.	4	5	6	8	10	
Test, Lbs.	3.8	4.9	5.7	8.5	9.5	Min.
Dia.	.0071"	.0086"	.0098"	.0126"	.0138"	
Sugg. Ret.	$1.50	$1.65	$1.80	$2.15	$2.40	
Cost	1.80	1.98	2.16	2.58	2.88	

Per 100 yds.

Nos.	12	14	17	20	
Test, Lbs.	11.8	14.3	17.0	19.8	Min.
Dia.	.0157"	.0177"	.0197"	.0217"	
Sugg. Ret.	$2.65	$2.90	$3.15	$3.85	
Cost	3.18	3.48	3.78	4.62	

Per 100 yds.

Airex Prespooled Monofilament Line

New Airex Monofilament is limp Dupont type 4—stronger—tight, prestretched, waterproof braid. New "prespooled" line—easier—sure—timesaving.

MONOFILAMENT

Cat. No.	457	462	467
Color	Mist Green	Mist Green	Mist Green
Size—Lb. Test	4	6	8
Yards per Spool	100 yds.	200 yds.	150 yds.
Suggested Retail	$2.95	$4.80	$4.80
Cost Per 100 yds	3.54	5.76	5.76

Ashaway L & R Spinning Lines

Eliminates uncontrolled "jumping" off reel. Smooth, resistance-free surface and round construction with uniform diameter make for long, easy casts without kinks or snarls . . . even for the novice. "Powerized" to remove elasticity through Ashaway's original heat treatment. Smallest diameter per pound test allows more line on reel. Retains pliability in cold weather . . . cold water. Allows free and easy spin off reel . . . smoother, firmer winding back on. New aqua blue color. Wound "tension-free" on special large-diameter aluminum discs to eliminate setting, curling and weak spots. Packed 100-yd. to disc, 4 connected in box. Also 100-yd. spools, 2 or 4 connected.

Nos.	4-6-8-11	14	18
Sugg. Ret.	$2.24	$2.30	$2.50
Cost PER 100	2.68	2.76	3.00

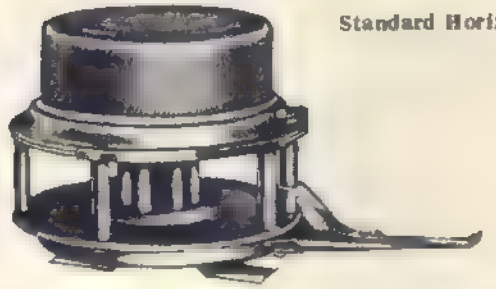
Magi-Braid Spinning Lines

Magi-braid Spinning Lines are braided of monofilament nylon to spin freely from any kind of spinning reel. Magi-braid has the exact texture to resist twisting, kinking and clinging. Color-green. 100 yds. per spool—2 spools connected—200 yds. per box.

LBS. TEST	PER BOX SUGGESTED RETAIL	PER 100 yds. COST
3-Lbs.	$2.80	$3.36
4-Lbs.	2.90	3.48
6-Lbs.	3.10	3.72
8-Lbs.	3.30	3.96

Martin Automatic Reels

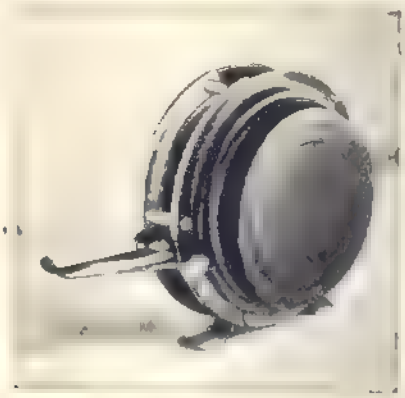
Standard Horizontal



Precision built open spool automatic type reel with long curved adjustable release lever to secure positive finger tip control. Audible warning click when line is being stripped. Hook hole in end of release lever. Smooth clean exterior. Free stripping. Spring release knob. Sealed-in lubrication. Ample line capacity. 4 models.

No.	2B	3B	4B	5B
Wt. Oz.	8.20	8.33	8.41	8.58
Capacity Ft.				
Line C	75	90	110	125
Line D	85	110	125	175
Line E	100	150	175	200
Line F	110	175	200	225
Line G	150	225	300	375
Suggested Retail	$ 8.95	$ 9.50	$ 9.95	$10.50
Cost Each	10.74	11.40	11.94	12.60

Martin Automatic Reels—Standard Upright



An upright open spool model with features found in the Standard Horizontal described above. Answers the requirements of left handed fishermen. Smooth, clean exterior without projections or sharp edges to catch or cut line. Made in four models of different sizes and line capacities. Finished in black anodized aluminum.

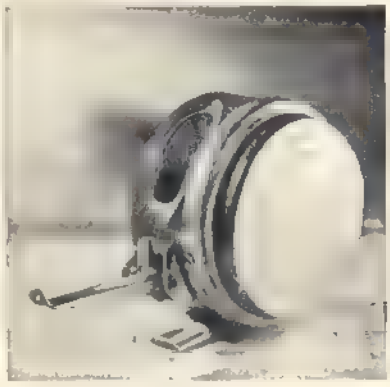
No.	22	23	24	25
Wt. Oz.	8.24	8.37	8.45	8.62
Capacity Ft.				
Line C	75	90	110	125
Line D	85	110	125	175
Line E	100	150	175	200
Line F	110	175	200	225
Line G	150	225	300	375
Suggested Retail	$ 8.95	$ 9.50	$ 9.95	$10.50
Cost Each	10.74	11.40	11.94	12.60

Martin Automatic Reels—Fly-Wate "Horizontal"

A light weight aluminum reel with instantaneous take-down feature for easy oiling and cleaning. Has long curved release lever for positive finger tip control, adjustable to any angle. Audible click warns when line is being stripped. Ventilator openings in body. Free stripping without brake release. Available in natural aluminum or forest green polished anodized finish with bright metal trim. 4 models.

No.	37N	37G	38N	38G
Finish	Natural	Green	Natural	Green
Wt. Oz.	7.60	7.60	7.68	7.68
Capacity Ft.				
Line C	75	75	90	90
Line D	85	85	110	110
Line E	100	100	150	150
Line F	110	110	175	175
Line G	150	150	225	225
Suggested Retail	$ 9.95	$ 9.95	$10.50	$10.50
Cost Each	11.94	11.94	12.60	12.60

Martin Automatic Reels—Fly-Wate "Upright"



An upright model similar in design to the Fly-Wate Horizontal but up-ended to meet requirements of the left handed fisherman. Has instantaneous take down feature permitting reel to be unassembled for oiling and cleaning without tools. Adjustable brake lever for comfortable control.

Finished in forest green polished anodized aluminum.

Two models of different line capacities.

No.	47	48	47G	48G
Wt. oz.	7.75	7.83	7.75	7.83
Capacity Ft.				
Line C	75	90	75	90
Line D	85	110	85	110
Line E	100	150	100	150
Line F	110	175	110	175
Line G	150	225	150	225
Suggested Retail	$ 9.95	$10.50	$ 9.95	$10.50
Cost	11.94	12.60	11.94	12.60

No. 63 Martin "Tuffy-Reel"

For those who want a low priced reel, the Tuffy-Reel is offered. It is similar in appearance to the Martin Standard Horizontal, except that it is not free stripping. Furnished in natural aluminum. Has friction type brake. Open type frame and built to stand abuse. Weight 8.25 oz. Model 63 Capacity 200' of G Line.

No. 63 Reel
Suggested Retail . . . $7.50
Cost Each 9.00

No. 53 Martin "Reel Tuff" Reel

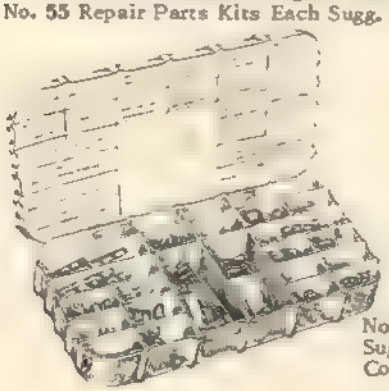
Companion model to the "Tuffy-Reel", it is simular in appearance to the Martin Fly-Wate Horizontal. Not a free stripping reel. Finished in natural aluminum. Has friction brake and is take-down type with no tools required. Weight 7.75 oz. Model 53 Capacity 225' of G Line.

No. 53 Reel
Suggested Retail . . . $6.50
Cost Each 7.80

No. 55 Bronson Repair Parts Kits

A well selected assortment of parts for repairing Bronson reels, packed in convenient kit box divided into compartments Weight 1¼ lbs. pounds

No. 55 Repair Parts Kits Each Sugg. Ret. $15.00 Cost $20.00



Langley Repair Parts Kit

Have a stock on hand for prompt service for Langley reels owners. Includes various parts most commonly required for Langley reels.

No. SP150 Repair Kit
Suggested Retail . $21.56
Cost Each 25.88

Lubriplate Reel Grease

An ideal lubricant for fishing reels; reduces friction and wear; waterproof, prevents rust and corrosion. A zinc base product that will not clog, like grease and is not dirty like graphite, easily applied in the small handy, nozzle-tipped tube. Length overall 3½ inches, width 3¼ inches. Weight per dozen 12 ozs. Individually Boxed.

No. 744 Reel Grease
Suggested Retail . . . . . $.21 Cost Per Doz. . $3.00

Three Dozen in Attractive Display Carton

No. 2120 Runfree Gear Grease

A combination of the best known proven lubricants, packed in a collapsible tin tube.
Wt. per doz. 7.91 oz.

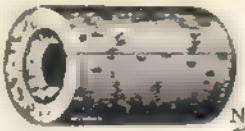
No. 2120 Gear Grease
Per doz. Tubes . . . . Suggested Retail $2.00 Cost $2.40

Reelslick Reel Lubricant

A super lubricant for reels. It dehydrates the metal surfaces and replaces moisture with Reelslick Anhydrous Graphitic. Seals metal surfaces against friction, water, salt spray and grit. One dozen in display box, weight 1¼ pounds.

Reelslick
Per doz. . . . . Suggested Retail . . . $3.00 Cost . . . $3.60

No. 413 Cork Arbors



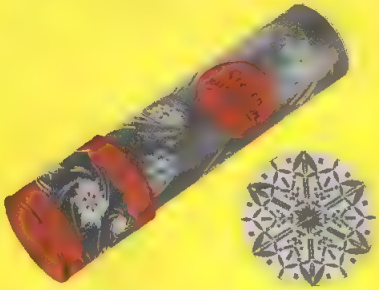
Spool filler. Made of best quality natural cork, turned and split accurately. One dozen in a box.

For Summit, Nobby and Akron reels.

No.	413	413
Size, in.	1	7/8
Reel Wt.	2-15/16 oz.	2-3/16 oz.
Sugg. Ret.	$2.47	$2.23
Cost Doz.	2.96	2.68

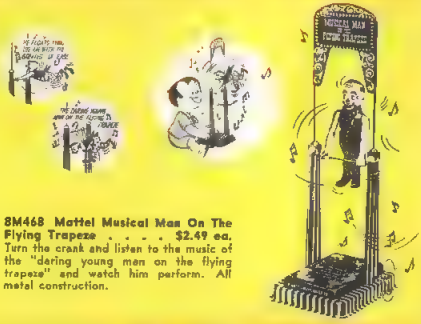
SCHOOL SET

2G303 Gong Bell Rocking Horse . . . . . $4.95 ea.
Sturdy steel and wood construction with handsome lithographed horse head, 28x13x17¾" high.



2S50 Stevens Kaleidoscope . . . . . $0.59 ea.
Look through the end and turn the top and see thousands of colorful designs come before your eyes.

8M490 Mattel Swing-A-Story Music Boooks . $0.98 ea.
Each book contains a nursery rhyme with the story set to music so the child can play, sing and read.



8M468 Mattel Musical Man On The Flying Trapeze . . . . $2.49 ea.
Turn the crank and listen to the music of the "daring young man on the flying trapeze" and watch him perform. All metal construction.

2D207 Auto Transport Set . . . . . $0.98 set
Double deck auto carrier, over all length 9¾", loaded with 4 assorted Tootsietoy cars.

R312-15 Rushton Vinyl Nose Teddy Bear $2.98
A real cuddly brown bear of rayon plush with new soft realistic vinyl nose and ribbon bow, with eyes securely sewed.

M3459 Service Station . . . . . $4.95 ea.
Lithographed steel deluxe super service station with all necessary tools and equipment for repairing playtime cars and trucks. Includes parking ramp and elevator plastic cars, one take apart car, service station attendant and complete set of equipment.

8P1253 Product Miniature Plymouth Station Wagon . . . . . $2.50 ea.
New Plymouth suburban station wagon with spin torque motor. Rear seat folds down and rear doors open for giant cargo space.

A5 Mimi, Jr. 27" Doll $1.98
Large 27" floppy legged cotton stuffed Raggety Ann doll, dressed in percale skirt and bonnet with ribbon bow.

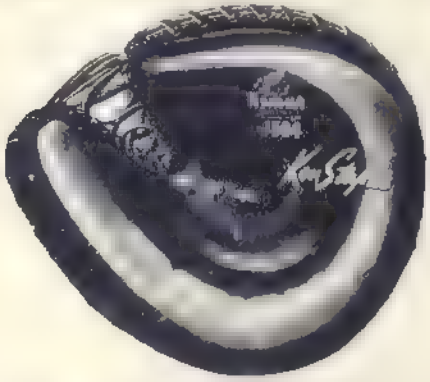
1H815 Halsam American Log Set . . . . . $1.98 ea.
You will have loads of fun building authentic cabins forts, block houses and stockades. 103 ¾" diameter pieces packed in a durable tube, ideal for storage after play.

F150 Fisher-Price Timmey Turtle $2.50
Nothing slow about this fellow. He makes friends in a hurry. Legs swing back and forth and tail wags. Gay musical notes pour from high impact shell.

12M3011 Midwest Desk Blackboard . . . . . $4.95 ea.
Big 19x15" desk duro slate chalking surface with green reverse side. 10 colorful charts. Complete with chalk and eraser.

16A20C Chalk & Eraser Set $ .25
A handy set including colored and white chalk and durable eraser.

No. J-504 Ken Staples Model—Catcher's Mitts



Boy's size. Genuine top grade cowhide. Leather lined with bound edges. Shaped wool felt pad, full leather laced and eyeleted. Adjustable leather laced wrist strap. Fully oil treated. Packed individually.

No. J-504 Catcher's Mitt
Each . . . Suggested Retail . . $5.00 Cost . . **$6.00**

No. J-604 Catcher's Body Protectors

Professional model.

Khaki colored, heavy duck construction. Heavily rib padded Hair stuffed. All edges securely bound. Leather and elastic harness with adjustable fasteners.

Packed individually.

No. J-604 Catcher's Body Protectors
Each
Suggested Retail . $8.00 Cost . **$9.60**

No. J-605 Catcher's Body Protectors

Professional model of new "shorty" style. Top quality, heavy khaki duck. Hair stuffed All edges securely bound Leather and elastic adjustable harness.

Packed individually.

No. J-605 Catcher's Body Protectors
Each
Suggested Retail . $8.00 Cost . **$9.60**

No. J-703 Catcher's Leg Guards

Heavy corrugated, vulcanized fibre shin piece, kneecap and instep piece. Cowhide covered, full leather lined with wool felt padding. Inside shock absorber of solid leather with heavy duck reinforcement.

Three adjustable leg straps.

Packed individually.

No. J-703 Catcher's Leg Guards
Each
Suggested Retail . $17.00 Cost . **$20.40**

No. J-702 Catcher's Leg Guards

Molded vulcanized fibre shin piece, instep piece and kneecap.

Heavy water repellent drill covering. Wool felt padding. Three piece adjustable elastic fasteners with snaps.

Leather shock absorber.

Packed individually.

No. J-702 Catcher's Leg Guards
Each
Suggested Retail . $7.00 Cost . **$8.40**

No. J-802 Baseball Masks

Boy's size. Heavy gauge steel wire mask fully padded. Leather lining, kapok filled.

Adjustable elastic and leather head harness. Padding securely laced to wire frame. Will not slip or break loose.

Packed individually

No. J-802 Baseball Masks
Each
Suggested Retail . $4.00 Cost . **$4.80**

No. J-805 Baseball Masks

Standard size. Heavy gauge steel wire frame. Leather pad, kapok filled, laced to frame. Can't slip or break loose. Adjustable elastic leather head harness

Packed individually.

No. J-805 Baseball Masks
Each
Suggested Retail . $7.00 Cost . **$8.40**

No. J-808 Baseball Masks

Professional model. Bar type mask of one piece light weight magnesium.

Leather kapok filled padding, leather laced to frame. Wide leather and elastic adjustable head harness.

Packed individually

No. J-808 Baseball Masks
Each
Suggested Retail . $9.50 Cost . **$11.40**

No. J982 Professional Model

One-piece aluminum bar style. Soft leather pad. Kapok filled. Leather laced to frame. Adjustable leather and elastic head harness. Packed individually.

No. J-982 Softball Masks
Each
Suggested Retail . $6.00 Cost . **$7.20**

Brooks Baseball Shoes

Rust-Proof Spikes

Black top-grain leather uppers. Oak leather soles with steel plates. Leather lined. Spikes are securely fastened to sole. Packed 12 pair of one size to a carton, weight 30 lbs.

No. 200 Brooks Baseball Shoes . . per pair Cost . . $11.50

Richardson Heel and Toe Cleats

Sturdy, high quality, carbon steel cleats. Three screw fastener type. Packed one dozen pair, toe and heel plates per case

No. 7 Richardson Toe and Heel Cleats
Per pair . . Cost . . $.60

Richardson Pitcher's Toe Plates

Heavy gauge pressed aluminum. Made in either right or left shoe styles. Specify type when ordering. Packed individually complete with screws.

No. PT Pitcher's Toe Plates
Each . . Cost . . $.44

Umpire Indicators

Made in heavy celluloid with large plain figures. For keeping a correct record of Balls and Strikes as called by the Umpire.

No. 511 Umpire Indicators . . . Each . . . Cost . . $2.30

No. 3381 Official Rubber Home Plates

Fitted with five steel spikes. Weight 13 lbs.

No. 3381 Official Rubber Home Plates.
Each . . . Cost . . $18.00

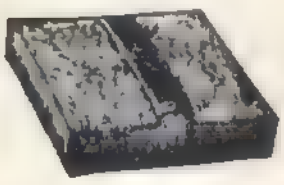
No. 2 Pitcher's Box Plates

Made of pure rubber and fitted with three steel spikes to provide firm level mounting.

No. 2 Pitcher's Box Plates . . . Each . . . Cost . . $14.40

Baseball Bases

Scholastic Type



Solidly stuffed, 21-Oz. Duck, compressed not padded. Single web strap. Three anchor spikes. Packed individually, weight per set, 13 lbs.

No. 11 Scholastic Baseball Bases . . Per Set Cost . . $16.00

Official League Hard Ball Bases

Made of best grade 33 oz. extra heavy duck. Closely quilted, double padded top. Solidly stuffed with wood wool and compressed. Leather reinforced strap tunnel openings. Equipped with two heavy halter straps and two spikes.

No. 4 Hard Ball Bases, as Set of three..... 10
Set . . Cost . . $24.00

Soft Ball Bases

Official Size

Heavy white, 15-Oz., canvas with quilted and padded top. Filled with hair felt. Single heavy strap passed. Three anchor spikes furnished. Weight per set of three, 7 lbs.

No. 16 Soft Ball Bases . . . Per Set . . . Cost . . . $9.70

Official Score Books

No. 834 Club style. Charts for 33 games
Each . . . Suggested Retail . . $2.25 Cost . . $2.70
No. 832 Pocket Type. Charts for 24 games.
Each . . . Suggested Retail . . $.75 Cost . . $.90

Baseball Rule Books

Contains Official rules of baseball, American and National League schedules. A handy, 32 page pocket size book including the finer points of baseball; how to play out field; organizing teams and other points of interest.

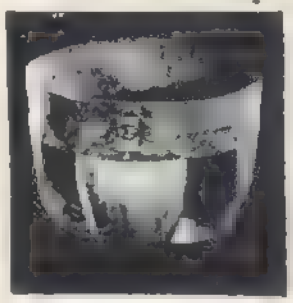
Baseball Rule Books . . . . Each . . . Cost . . $.10

Softball Rule Books

Contains complete rules and informative data on Soft-Ball, Kitten Ball and Lawn Tennis. Paper bound.

Soft Ball Rule Books . . . . Each . . . Cost . . $.30

Bike Jock Straps

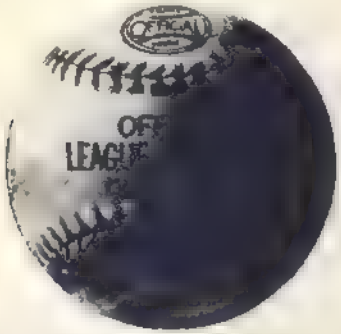


Made of pure para rubber and cotton yarn. Rubber threads are double covered with yarn. Designed to give the utmost in protection and comfort.

No. 5. 3-inch waist; V seam construction in front to eliminate ripping; comfortable pouch; first quality Bike webbing throughout .

Bike Jock Straps . . . . . Per doz. . . Cost . . $16.00

Worth Official League Soft Balls

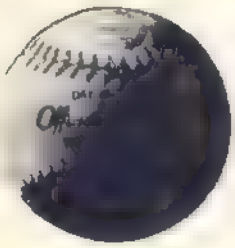


Pure 100% kapok core wound with two strata of cotton yarn. Cover is genuine grain cowhide, durable and attractive. Sewed with waxed thread in the two-needle league stitch. Official softball league size and weight.

Packed one doz. in a carton. Weight per doz., 5 lbs.

No. G-ID-12 Soft Balls
Per doz. . . . Suggested Retail . . $18.00 Cost . . **$21.60**

Worth Official League Softballs



Vulcanized and annealed. Core of pure long-fibre kapok is hand wound with cable cord, directly annealed to the kapok. Machine wound with fine cotton finishing yarn. Core is then annealed for second time making different yarns and fibres into one unit.

Can be used for either day or night games. Cover is cemented to core with special white finish enabling ball to be washed. Durable horsehide cover.

Official softball league size. Packed and sealed in individual boxes.

Weight per dozen 6 lbs., 4 oz.

No. TN-ID-12 Worth Softballs
Per doz. . . . Suggested Retail . . $32.50 Cost . . **$39.00**

Official League Softballs

For night softball. White chrome tanned leather cover. Kapok core overwound and then sealed with rubber cement. Cover sewed with 5 cord baseball thread.

Official size and weight.

Wrapped in tissue and packed in individual boxes.

No. KN-ID-12 Cord Wound
Per doz. . . . Suggested Retail . . $24.40 Cost . . **$29.20**

Outseam Soft Balls

Compressed center is wound with cotton yarn and covered with split leather cover.

A serviceable ball recommended for boys' and picnic use

12-inch size. Also available in 9-inch size.

No. C-OS-12 Worth Outseam Soft Balls
Per doz. . . . Suggested Retail . . $6.50 Cost . . **$7.80**

No. J-120 Andy Skurski Model

Large professional size. Four finger model. Fingers double leather laced and eyeletted. Full cowhide lining. Streamlined welted fingers and thumb. Leather bound and laced heel. Wool felt pad. Extra wide crotch. Oil treated leather, with adjustable leather lacing.

No. J-120 Baseball Gloves
Per doz. . . . Suggested Retail . . $9.00 Cost . . **$10.80**

No. J121 Russ Rose Professional Fieldrite Model

Made of selected willow cowhide. Fully cowhide leather lined. Hand formed wool pad. One-piece solid leather adjustable web. All fingers adjustable leather laced and eyeletted. Streamlined fingers and thumb with all seams welted. Closed heel. Leather bound. Fully oil treated. Embodying the new patent-applied-for "Ristanker" feature.

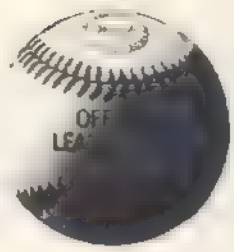
No. J-121 Baseball Gloves
Per doz. . . . Suggested Retail . . $10.00 Cost . . **$12.00**

No. J-112 George W. Dockins Model

Standard full size. Made of top grain willow cowhide. Four-finger model. Streamlined welted fingers and thumb. Leather bound. Fully leather lined. One-piece adjustable solid leather web. Leather laced heel. Hand formed pocket. Fully oil treated. Adjustable leather laced fingers.

No. J-112 Baseball Gloves
Per doz. . . . Suggested Retail . . $7.00 Cost . . **$8.40**

No. 909-C Worth Baseballs



Made to Major League specifications, analyzing 75% wool and 25% reused wool. Cover of white alum tanned horsehide securely cemented to the ball.

Cushioned cork center solidly wound with regulation league yarn. Nine inch size.

Wt., 5 lbs., 2 oz. per dozen.

No. 909-C Worth Baseballs
Per doz. . . . Suggested Retail . . $30.50 Cost . . $36.60

No. 932-R Worth Sandlot Baseballs

Compressed wool felt core with rubber center, wound with two strata of yarn.

Genuine horsehide cover securely sewed with five-cord waxed baseball thread. Nine inch size.

Wt., 5 lbs., 2 oz. per dozen.

No. 932-R Worth Sandlot Baseballs
Per doz. . . . Suggested Retail . . $19.00 Cost . . $22.80

No. 951 Worth Special League Baseballs

Compressed felt core with rubber center. Machine wound with heavy layer of yarn.

White alum tanned horsehide cover sewed with two needle league stitch.

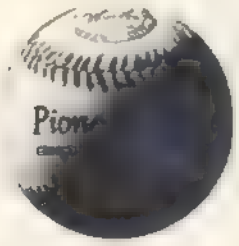
Nine inch size.

Wt., 5 lbs., 2 oz., per dozen.

No. 951 Worth Special League Baseballs
Per doz. . . . Suggested Retail . . $10.30 Cost . . $12.40

Packed one dozen in a carton.

No. 971 Worth Pioneer League Baseballs



Regulation nine inch size.

Composition core and durable horsehide cover securely stitched.

Wt., 5 lbs. per dozen.

No. 971 Worth Pioneer League Baseballs
Per doz. . . . Suggested Retail . . $8.65 Cost . . $10.40

Packed one dozen in a carton.

No. 12AF Springfield Soft Balls

Long fibred kapok core with full grain kit leather covers, chrome tanned. Double needle hand stitched with white 5 strand waxed Kingston thread.

Official in size and weight.

Individually boxed. 6 balls to carton.

Packed 6 Dozen to a case

No. 12AF Soft Balls
Per doz. . . . Suggested Retail . . $31.70 Cost . . $38.00

No. 12AFW Same as above except white.
Per doz. . . . Suggested Retail . . $31.70 Cost . . $38.00

Harwood Official Soft Balls

A 12 inch size for night softball. Molded center of prime kapok, yarn wound and cemented. The cover is washable horsehide which is stitched with a heavy white thread.

No. 400X Soft Balls, Per doz.
Suggested Retail . . $33.00
Cost $39.60

No. C112 Voit Official Soft Balls

12-inch. New white soft-texture rubber cover. Cotton yarn wound over prime kopak center. Washable. High visability day or night. All weather; all playing surface.

Used by thousands of schools.

No. C112 Soft Balls . . . . Per doz.
Suggested Retail $24.00
Cost $28.80

No. R-ID-12 Worth League Soft Balls

Firmly compressed core in full 12-inch size, machine wound with cotton yarn. Genuine chrome tanned leather cover, sewed with 2 needle league stitch.

Excellent for playground use.

No. R-ID-12 Worth Soft Balls Per doz.
Suggested Retail $13.00
Cost $15.60

No. 3-ID-12 Sand Lot League Soft Balls

Genuine split leather cover cowhide cover with compressed corn yarn wound.

Cover sewed with 2 needle stitch.

Ideal for sand lot league play.

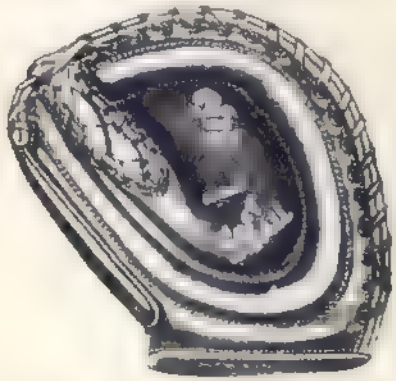
No. 3-ID-12 Worth Soft Balls . . Per doz.
Suggested Retail $10.70
Cost $12.80

No. SC Fielder's Gloves

Autographed. Large glove made of good quality oil treated Kromtuf leather. Padding of felt with stuffed hump. Welted seams. Rolled leather binding. Laced at heel. Large web at crotch. Full cowhide lining. Strap and button at wrist. Streamline fingers. Packed individually.

No. SC Fielder's Glove
Each . . . Suggested Retail . . $11.45 Cost . . $13.80

No. J-970 Softball First Baseman's Mitts



Professional model. Selected willow grain cowhide. Outside rib padding. Leather lined and full leather bound edges. Eyeletted and leather laced. Adjustable leather wrist strap. Fully oil treated. Packed individually.

No. J-970 First Baseman's Mitt
Each . . . Suggested Retail . . $9.00 Cost . . $10.80

Nocona Catchers Mitts

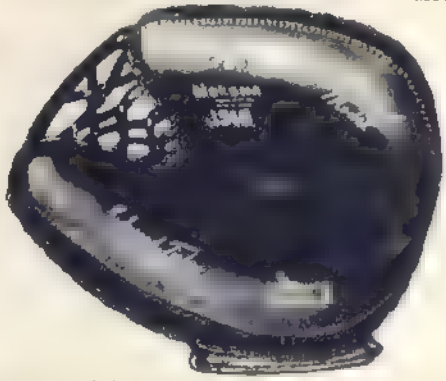
No. J517 Sig Broskie Professional Bulldog Model

Made of specially tanned heavy weight brown cowhide mitt leather. One-piece solid palm. Cowhide lined and completely leather bound. Leather laced, welted seams. Hand made wool felt pad, heavy rolled adjustable leather laced web. Adjustable wrist strap, wool shearling lined. Packed individually.

No. J-517 Catcher's Mitt
Each . . . Suggested Retail . . $16.25 Cost . . $19.50

Nocona Catchers Mitts

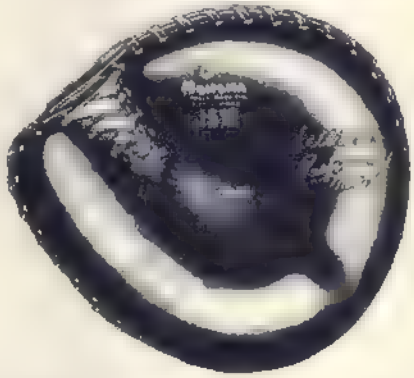
No. J515 Edward Tickey Professional Model



Constructed for fast, sure performance. Designed by Major League catchers. Constructed of selected, specially tanned cowhide. Hand made wool felt pad. Leather lined. Eyeletted and leather laced throughout. Two-piece style palm. Adjustable rolled laced web. Adjustable wrist strap. Wool shearling lined. Packed individually.

No. J-515 Catcher's Mitt
Each . . . Suggested Retail . . $12.00 Cost . . $14.40

No. J512 Ed Walker Professional Model



Full regulation size. Manufactured from selected willow cowhide. Cowhide leather lined. Rolled leather bound. Eyeletted and leather laced throughout. Adjustable leather laced web. Hand shaped cut style pad allowing mitt to break. Fully oil treated. Packed individually.

No. J-512 Catcher's Mitt
Each . . . Suggested Retail . . $9.00 Cost . . $10.80

No. J-962 Softball Catcher's Mitts

Professional model with deep ball pocket. Top grade willow cowhide. Double stitched palm. Leather laced with adjustable leather wrist strap. Leather lining. Rolled leather bound edges. Packed individually.

No. J-962 Catcher's Mitt
Each . . . Suggested Retail . . $9.50 Cost . . $11.40

The Above Gloves are all available in Full Right Models

T418 Junior Trapper Basemitt

Good mitt for beginners. Made of genuine cowhide and oil treated. Laced and bound. A little trapper for the smaller boys.

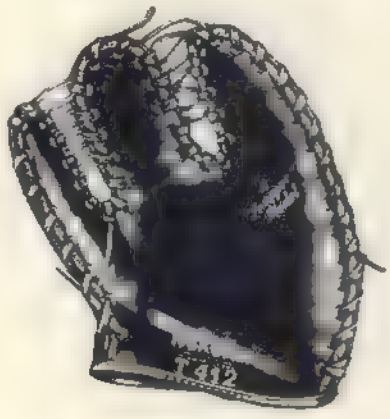
No. **T418** Junior Trapper Basemitt
Suggested Retail $4.00
Cost Each 4.80

T410 Trapper Basemitt

Regulation size. Made of top grain cowhide. Rolled bound edges. Leather laced. Oil treated. Palm section leather lined. Adjustable finger loop.

No. **T410** Trapper Basemitt
Suggested Retail . . . . . $ 9.35
Cost Each 11.20

T412 Trapper Basemitt



Boys size. Incorporates most features of larger basemitt. Leather laced. Completely bound. Adjustable finger loop. Oil treated.

No. **T412** Trapper Basemitt
Suggested Retail $7.75
Cost Each 9.30

T408 Trapper Basemitt

Incorporating special reinforced pad. Palm full leather lined. Edges all rolled leather bound. Top grain cowhide leather back and palm. Includes special patent-applied-for web controller. Oil treated. Leather laced.

No. **T408** Trapper Basemitt
Suggested Retail $12.00
Cost Each 14.40

T416 Trapper Basemitt

Boys model for Junior professional players. Scaled down from Pro mitt. Top grain cowhide. Oil treated. Laced and bound.

No. **T416** Trapper Basemitt
Suggested Retail $5.35
Cost Each 6.40

T406 Trapper Basemitt

Professional size. Built of selected durable basemitt leather. A sturdy, well-built mitt that has wide appeal. Hand oil treated. Equipped with patent-applied-for web controller. Completely rolled leather bound and leather laced.

No. **T406** Trapper Basemitt
Suggested Retail $17.25
Cost Each 20.70

The Above Gloves are all available in Full Right Models

2N1400 Nylint Roadgrader . . . $7.95
19¼" all steel model. Enormous 3¾" tires. Scraper can be lowered, tilted, and swung to 6 positive lock positions.

2N1500 Nylint Tournahopper . . $7.95
22½" brightly enameled working model. Snakes and turns across rough ground.

NY-LINT TOYS

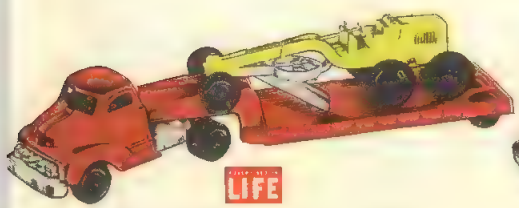
POWER TO MOVE A BOY'S HEART!

2N1600 Nylint Payloader $7.95
Can dig, load, bulldoze, level, grade or scrape. Red enamel 18" frame with large 3¾" tires.

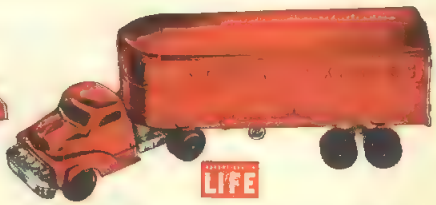
2N1300 Nylint Tournarocker . . $6.95
Big 18" action toy for young "Construction Engineers". 2-Way pivot. Improved easy operating hoist.

2N1800 Nylint Traveloader $11.95
A new and fascinating toy. 30" long. Loads continuously from ribbed rubber conveyor belt. Powered by hand crank. Ideal for play with Tournahopper or tournarocker. Can be hauled on Tournahauler.

2N1700 Nylint Tourn-A-Hauler $7.95
One of the big toys of the year. This all new, all steel supertruck is 30¼" long, 41½" long with ramp extended. Has crank operated winch with cable and hook for loading machines. Big heavy duty tires.

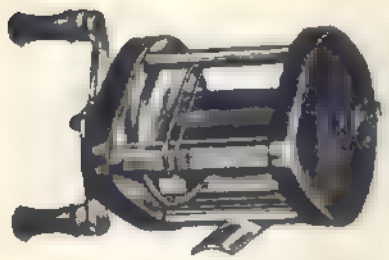


3H506 Hubley Carry All $4.98
19½" orange flat bed machinery carrier, complete with 10¾" metal road scraper. Cab of carrier lifts revealing realistic motor.



3H507 Hubley Motor Express $4.98
Big 18" red and green metal truck with aluminum trim. Have real fun with the side doors that slide and rear doors that swing open for loading. Retractable dolly wheels, motor under cab and independant rear wheels.

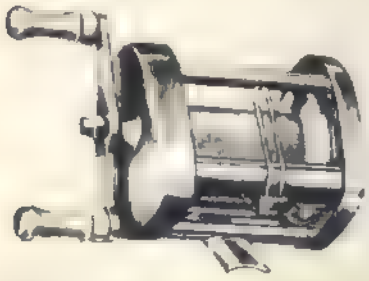
No. 1600 Ocean City Casting Reels



Level-wind mechanism has troublefree hardened steel pawl with protective cap. Smoothkaster anti-back lash control. Oilite lubrication thruout. Sideplates, hard aluminum with satin-like lacquer finish. One piece frame. Spool has aluminum flanges and permanent cork arbor. Line capacity: 100 yards, 15 pound test silk or nylon. Gear ratio: 4 to 1. Plate diameter, 2⅛ inches. Pillar length, 1¾ inches. Weight 7.4 ounces. Packed singly.

No. **1600** Casting Reels
Each . . . Suggested Retail . . $5.95 Cost . . **$7.14**

No. 1591 Ocean City Casting Reels



Made with popular tear-drop shaped sideplates in handsome maroon finish.

Smoothkaster anti-backlash control located on left plate. Aluminum spool and a cork arbor. Fitted with Oilite bearings thruout. Smooth spiral cut gears and protective cap over wind-pawl. Exposed parts chrome-plated. Line Capacity: 100 yds. 15 lb. test, silk or nylon. Gear ratio: 4 to 1; plate diam. 2⅛ in. Pillar length 1¾ in. Wt. 6.5 ozs. Packed singly.

No. **1591** Casting Reels
Each . . . Suggested Retail . . $4.50 Cost . . **$5.40**

No. 1581 Ocean City Casting Reels

Streamlined design incorporating a smooth running, level-wind. Has strong frame, smooth gears; all exterior parts, heavily nickel plated Weight 6.3 ozs. Line capacity: 100 yds. 15 lb. test, silk or nylon. Gear ratio: 4 to 1; plate diam. 2⅛ in. Pillar length 1¾ in. Packed singly.

No. **1581** Casting Reels
Each . . . Suggested Retail . . $2.95 Cost . . **$3.54**

Ocean City Reel & Line Deal

Large carton contains:

6 Ocean City No. 1591 Reels,
3 Ocean City No. 1600 Reels,
3 Ocean City No. 1800 Reels,

Packaged in acetate container, on top of each reel box is a 50-yard spool of Ocean City's Top Grade baitcasting line, braided of DuPont nylon. Each spool has retail value of $1.30.

No. **3627** Reel & Line Deal
Per Carton . . Suggested Retail . $68.70 Cost . **$86.56**

Neo Caster Casting Reel

The only truly free-spool, level-wind reel. No moving parts except spool during cast. No wear on pawl or gears. All nylon spool—so light it **floats** when filled with nylon line. Capacity—200 yards .013" diameter line. Weight—6½ ounces.

No. **FS** Casting Reels
Each . . . Suggested Retail . . $17.50 Cost . . **$21.00**

Johnson Casting Reels

Made on the spinning or fixed spool principle; cannot backlash. Can be used on standard casting rod, spinning or fly rod. Complete one hand operation. Casts without thumbing. Constant drag for trolling. Adjustable drag for playing hooked fish. Hard chrome plated rotor and automatic line pickup. Green anodized aluminum case. All parts rust proof. Designed for light test braided casting lines or monofilament. Capacity, 60 yards, 10 lb. test; 150 yards, 4 lb. test. Retrieves. 7½ inches of line per turn of handle. Weight, 6 oz.

No. **20** Casting Reels
Each . . . Suggested Retail . . $11.00 Cost . . **$13.20**
No. **40** Same as above except reel retrives 13½ inches of line per turn of handle.
Each . . . Suggested Retail . . $13.75 Cost . . **$16.50**

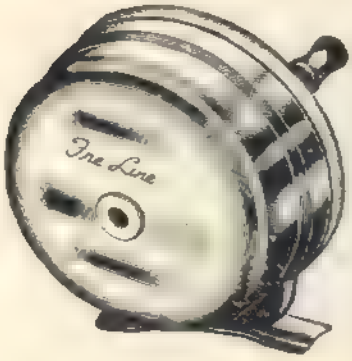
Zebco Casting Reels

Designed to revolutionize the art of casting; entirely new principle which completely eliminates backlash without in any way restricting a free spooling action. Will not backlash under any conditions; is fast, providing perfect casting control, it being possible to brake the cast by the slightest pressure on the thumb stop. Simple, rugged construction, having no screws or adjustment; perfectly balanced. Fully enclosed; alumilite finish to resist corrosion. Weight 5¼ oz.

Zebco Casting Reels
Each . . . Suggested Retail . . $17.50 Cost . . **$21.00**

Wright & McGill Fre-Line Reels

For Casting, Fly or Spinning Rods



Made of stainless steel and anodized aluminum cap to avoid rust or corrosion. Winding pin and eyelet in cup is hard chrome plated. Simple construction and operation. Line feeds off a stationary spool when cast is made eliminating the danger of a back lash or line tangle.

Recommended line, Yank or Nylon Monofilament only. Capacity, 50 to 85 yards.

No. 10BC Reels
Each . . . Suggested Retail . . . $14.50 Cost . . . $17.40

Wright & McGill Fre-Line Reel

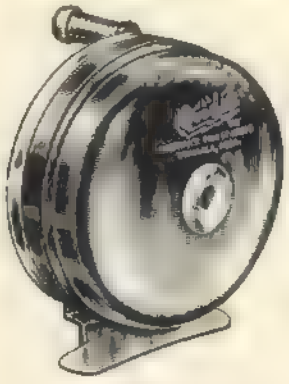
Fits any spinning or casting rod. Will cast 1/8 to 5/8 oz. lures. Will not twist your line. Gives positive control of fish.

Model No. 16 with Brake Multiple Gear Fast Retrieve. Approx. wt. ⅞ oz. Each Reel in individual box.

Note: Use only Monofilament nylon line. 4, 6, 8, 10, 12 lb. recommended.

No. 16 Reels
Each . . . Suggested Retail . . . $16.50 Cost . . . $19.80

No. 10 Good All Reel



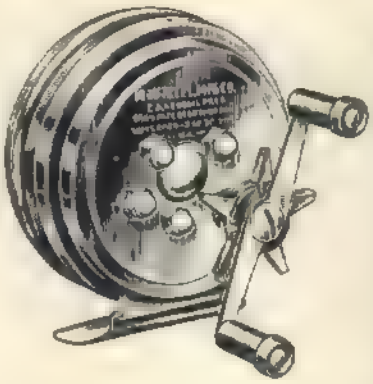
Model 10

1:1 Retrieve—Single Handle

Standard GOOD-ALL Reel. Single handle direct drive 1:1 retrieve. Ideal for youngsters and women learning to cast and others who want an inexpensive reel that gives lots of service. Cover is red alumilited aluminum for lasting beauty. Bronze bushings, gears.

No. 10 Reels
Each . . . Suggested Retail . . . $12.50 Cost . . . $15.00

No. 17 Good All Reel



Model 17—Multi-Gear

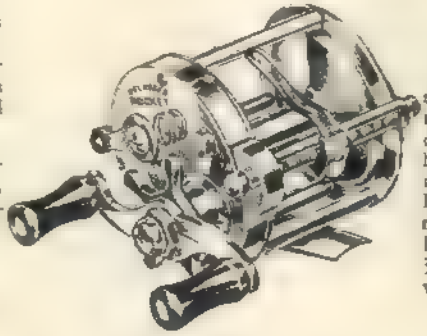
With Star Drag
Double Handle
Sliding Clicker

"The best reel ever built," say experienced fishermen. And they're right! New adjustable Star Drag enables pike, bass, musky, other big fish to strip off line against tension while you are reeling in. Saves line, saves fish. Hi-speed multi-gear retrieve. Sliding click. Double offset handle. Other famous GOOD-ALL features.

No. 17 Reels
Each . . . Suggested Retail . . . $19.50 Cost . . . $23.40

Trooling and General Purpose Reels

No. 1355 Pflueger Reels



Rocket

Suitable for either salt or fresh water fishing. Large line capacity, anit-back lash and level wind. Polished Diamolite finish, large Diamalloy pivots, spiral cut gears and bronze bearings. Gear ratio 3.62 to 1. Each reel wrapped in silver tissue and anti-tarnish paper. Pillar, 1-13/16 inches; plate, 2½ inches. Weight boxed, 16½ oz.

No. 1355 Casting Reels
Each . . . Suggested Retail . . . $13.50 Cost . . . $17.00

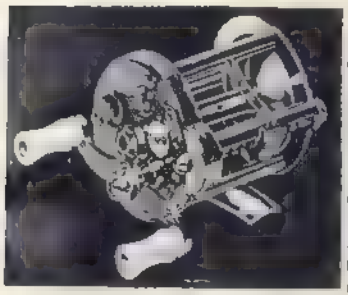
No. 410 Longley Reels

Whitecap

For both fresh and salt water fishing. Level wind reel; extreme accuracy and control with light weight lures. Gear box control allows quick disassembly of reel. Polished chrome trim on housing and end plates. With star drag and anti-inertia spool. Line capacity 150 yards. Weight 6 oz.

No. 410 Fishing Reels
Each . . . Suggested Retail . . . $13.95 Cost . . . $16.74

Pflueger Summit Reel



Extra wide phosphor bronze line guide, which does not allow any rocking and the recess feature permits the line to flow on the spool evenly and completely.

The Summit Reel also contains the famous Pflueger anti-back-lash mechanism. The indicator button gives positive control.

Gears and working parts may be lubricated from the outside—(Tension oil cups must be unscrewed.) The level wind assembly may be easily and quickly removed for cleaning or replacement of worn parts. Replaceable bearings for the double thread shaft permits parts to be removed without disturbing the shaft housing.

An extra half nut or pawl is carried in a receptacle built into the reel. This does not leave an opening into the mechanism.

The tension oil cups are inset with scarlet jewels and have bearing oil feeders.

The Summit is constructed of Polished *Diamolite on ornamented nickel silver.

The bronze gear, tool steel, pinion, phosphor bronze bearings, *Diamalloy pivots give this reel its long life for which it has been famous.

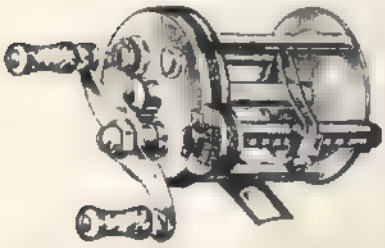
The fancy balanced crank with Pyralin mottled handles add to the beauty of this reel.

This reel also has an adjustable back sliding click and a soft rubber ring for the back plate is included.

A cork arbor is furnished with the 1993L reel.

No. 1993L Summit Reel
Each . . . . Suggested Retail . . $14.25 Cost . . **$16.00**

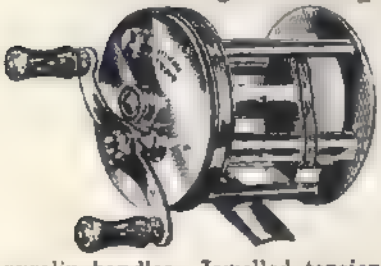
Pflueger Nobby Reel



Nobby Quadruple multiplying. Satin finish trimmed in polished Diamolite. Level winding. Anti-back-lash. Rust-proof Diamalloy spool pivots and gear post. Phosphor bronze bearing. Tool steel pinion. Adjustable back sliding click. Fancy balanced crank. Genuine scarlet agate jewelled oil cups. 1⅞-inch pillar; 2-inch plate. Capacity, 210 yards 12 pound test line.

No. 1963 Nobby Reel
Each . . . . Suggested Retail . . $12.25 Cost . . **$14.70**

Pflueger Fishing Reels



Trump Quadruple multiplying. Polished Diamolite finish. Level winding. Anti-back-lash. Hardened steel pivots. Adjustable back sliding click. Steel pinion. Fancy balanced crank. Mottled brown pyralin handles. Jewelled tension oil cups. 1⅞-inch pillar; 2¼-inch plate. Capacity, 175 yards 12 pound test line.

No. 1943 Trump Reel
Each . . . . Suggested Retail . . $6.25 Cost . . **$9.90**

Pflueger Akron Reel

Extra wide line guide of phosphor bronze—with a shoulder on both sides making it steady and long wearing.

Recess at both ends (a Pflueger basic patent) which makes possible the wide line guide and still permits laying the line full width of spool.

Level Wind assembly can be quickly and easily detached for cleaning.

Extra half nut—or pawl—carrier in a receptacle built into the reel. (Removal of this part does not leave an opening in the reel.)

Indicator button regulating anti-back-lash device, contained entirely within the reel which automatically thumbs the spool and stops it at the proper moment. Can be used as a drag for trolling or thrown off altogether, making it an open reel.

Replaceable bearings for Double Thread Shaft. Permits level wind parts to be removed without disturbing the shaft housing.

Level wind mechanism designed for long and satisfactory wear—all parts fitted with extreme care and exactness. *Diamalloy double thread shaft.

*Diamalloy is a special metal developed by our engineers—highly resistant to wear and rustproof, even in salt water.

Tension Oil Cups—Each with Bearing Oil Feeder—are inset with large Scarlet Red Jewels. Bronze Bearings—Rustproof Diamalloy spool pivots and gear post. Adjustable back sliding click—Fancy balanced crank, Quadruple Multiplying.

Polished Diamolite Finish, Spiral cut bronze gear, tool steel pinion.

No. 1893L Akron Reel
Each . . . . Suggested Retail . . $10.50 Cost . . **$12.90**

Pflueger Skilkast Reel

Light Weight Aluminum Spool. Starts quickly, spins freely and does not over-run—the cause of backlashes in most reels.

A Cork Arbor is furnished with the reel.

Replaceable bearings for Double Thread Shaft. Point D permits level wind parts to be removed without disturbing the housing.

Recess at BOTH ends (a Pflueger basic patent), which makes possible the wide line guide and still permits laying the line full width of spool.

Extra Half Nut—or pawl carried in a receptacle built into the reel. (Removal of this part does not leave an opening in the reel.)

New style precision built extra wide line guide of phosphor bronze—with a shoulder on BOTH sides—making it steady and long wearing.

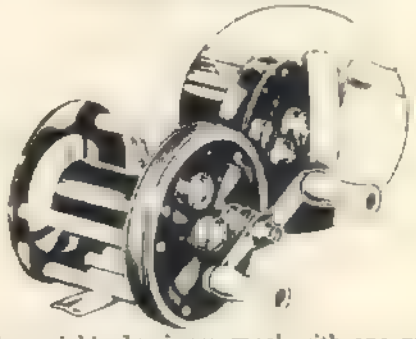
Oiling device permits oiling spool pivots BOTH ends without need of removing any parts.

Polished Chromium Finish, Quadruple Multiplying Spiral cut gears.

1-7/8 Inch Pillar—2 Inch Plate

No. 1953 Skilkast Reel
Each . . . . Suggested Retail . . $11.95 Cost . . **$14.56**

Heddon Pal Reels



Featherweight aluminum spool with one piece cork arbor assures fast action and long casts. Matched spiral bronze gears. Anodized aluminum end plates. Quadruple multiplying jeweled spool cups. Adjustable thumb drag.

Easily maintained through simplified construction. Head ring is easily removed permitting quick removal of head plate and spool giving quick access to all gears and working parts yet keeping the reel in perfect adjustment. No screws to remove to completely oil and clean all working parts.

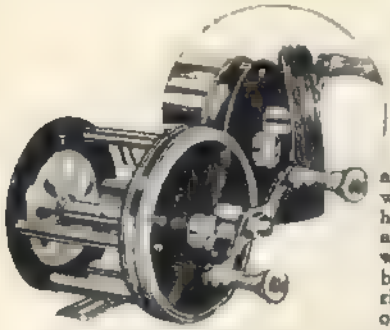
Capacity, 100 yards of 12½ lb., test line. Individually packed, weight 7 ounces.

No. P-41 Heddon Pal Reels .....Each 13.75
Each . . . Suggested Retail . . . $13.75 Cost . . . $16.50

No. P41N—Narrow frame model. Designed for the angler who wants the lightest possible reel. Featherweight one-piece arbor, otherwise same features as No. P41.
Each . . . Suggested Retail . . . $13.75 Cost . . . $16.50

No. P51 Heddon Casting Reels

"Dowagiac"



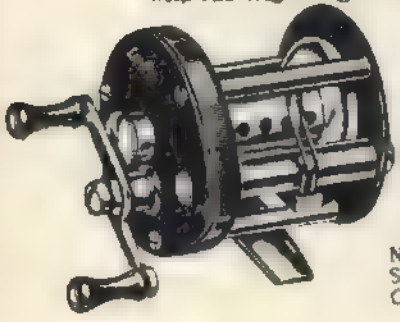
Extremely light, durable and easy casting with famous removable head ring. Adjustable antibacklash cap which will entirely eliminate backlashes. Cap carries full years supply of lubricant. End plates anodized in beautiful moss green to prevent corrosion. Featherweight aluminum spool starts easily, permitting casting of all weight lures. Bronze gears, quadruple multiplying. Capacity 100 yards, 18-lb. test line.

No. P-51 Casting Reels
Each . . . Suggested Retail . . . $9.75 Cost . . . $11.70

No. 510 Langley Casting Reels

With The Lightweight Anti-Inertia Spool

"Speedy"

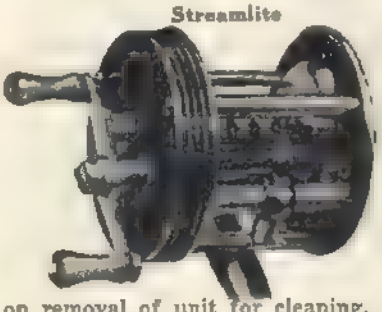


A standard size level wind reel, shell shaped design. Aluminum shaped design. Aluminum frame with black alumilite finish. Capacity, 100 yards., 15-lb. test line. Weight 5 oz.

No. 510 Casting Reels
Suggested Retail . . $6.80
Cost (Each) 8.16

No. 310 Langley Casting Reels

Streamlite



A level wind casting reel for all fresh water fishing. Light 5 oz. weight allows hours of long-distance backlash free casting without arm fatigue. Bridge unit holds assembly to housing by 2 screws. Gears will not fall out on removal of unit for cleaning.

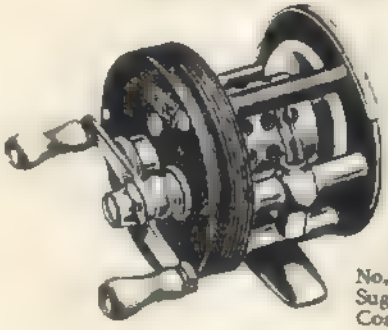
Anti-Inertia spool of strong aluminum and stainless steel alloy. Bearings, special alloy. Line guide, and simple working level wind mechanism. Polished black alumilite finish and chrome trim. Easy adjustment for drag and back-lash-control. Spool diam. ¾ inch. Spool width 1¾ inch. Reel wt. 5 ozs. Packed singly.

No. 310 Casting Reels
Each . . . Suggested Retail . . . $12.50 Cost . . . $15.00

No. 330 Langley Casting Reels

With The Lightweight Anti-Inertia Spool

"Lurecast"



The Spool that means longer casts and less backlashes; a narrow spool reel for light line and light lure fishing. Extreme accuracy and control with this light, 5 oz. reel. Line capacity, 75 yards, 12-lb. test line.

No. 330 Casting Reels
Suggested Retail . . $15.00
Cost (Each) 10.00

No. 500 Langley Reelcast Reels

Standard level wind reel with a natural metallic finished shell shaped housing. Has anti-inertia spool eliminating fly wheel action causing casting drag and backlash. Gears removable in one unit for oiling and cleaning.

Spool bearings long wearing alloy steel. Personal adjustment cap has binder and thrust washer permitting easy adjustment. Reel starts quickly with no drag. Stops instantly when lure strikes the water. Beautiful black band on housing; attractive front and end plate. Spool: Diam. ¾ in., width 1¾ in. Reel wt. 5 ozs. Packed singly in carton.

No. 500 Reelcast Reels
Each . . . Suggested Retail . . . $5.80 Cost . . . $6.96

R448-26 26" Rushton Bear Special $4.98
A truly exceptional value. Big 26" size rayon plush bear with vinyl nose, sewed in eyes and ribbon bow

R449-26 Rushton Panda . $4.98
Similar to bear illustrated above. This will be a treasured companion for years.

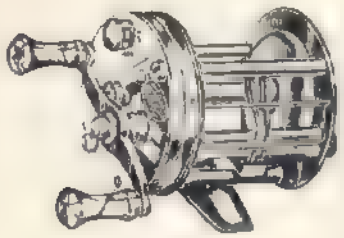
6N416S 19" Natural Doll Featuring Saran Curlable Wig . . . . . $4.98 ea.
Dressed in a beautiful taffeta dress with puff sleeves and matching bonnet, this big 19" doll has beautiful moving eyes and lashes. Cries when squeezed.

3H926 Horseman Cindy Strutter Walking Doll with Moulded Head Special . . . . . $9.95 ea.
Cindy struts along by holding her arm and moving her forward in a natural manner. Big 28" life size, Cindy will capture the heart of every little mother. The head, body, arms and legs are of soft vinyl and with lifelike exquisitely "moulded in" hair-do

1M226 Little Lady Electric Stove . . $6.50
Hours of fun cooking and baking dad's favorite dishes, on this large size genuine electric range with glass oven window. Little housekeepers can learn to cook mother's favorite recipes in complete safety. Underwriters' Laboratories approved.

6P304 Collapsible Doll Stroller . . . $4.25
Roomy simulated leatherette with 8" seat, 21½" high. Easy to collapse to take along when visiting.

No. 550 South Bend Casting Reels

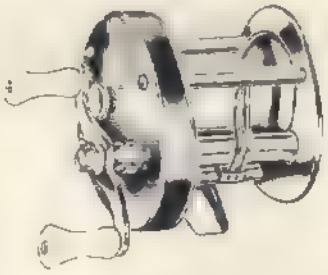


Level Winding Anti-Back-Lash

Three piece take-down construction, chromium plated frame, phosphor bronze bearings and bushings. Durable plastic grips and lightweight crank handle. Quadruple multiplying spiral cut gears. Spool diameter, 1½ inches; pillar lengths, 1¾ inches. Capacity, 100 yards 18 lb. test line. Individually packed; weight, 8½ oz.

No. **550** Casting Reels
Each . . . . Suggested Retail . . $13.50 Cost . . **$16.20**

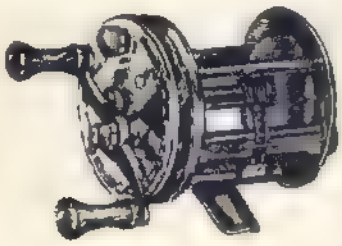
No. 900 South Bend Casting Reel



Three-piece take-down construction; phosphor bronze replaceable bushings with stainless steel journals; variable tension device built into adjustable tail spool cap provides positive spool speed control; direct drive spiral cut tough gears are light, long-wearing, fast, smooth, quiet; balanced double-end crank, pyralin handles; slide type click on tail plate; level wind carriage screw and black chromium plated, pawl cadmium plated; spool diameter—1½"; pillar length—1-23/32". Capacity: 100 yards, 20 lb. test Black-Oreno Nylon line; with arbor, 50 yds. Screwdriver-wrench included.

No. **900** Casting Reels
Each . . . . Suggested Retail . . $22.50 Cost . . **$27.00**

No. 1000 South Bend Casting Reels

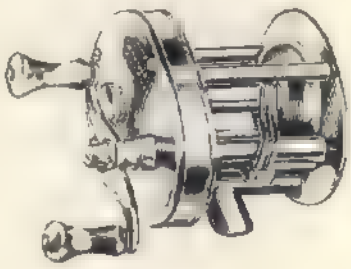


Level Winding Anti-Back-Lash

Three piece take-down construction. Phosphor bronze bearings and bushings. Chrome plated frame and plastic head cap. Spring closure oiling type spool caps. Spool diameter, 1½ in., pillar lengths, 1¾ in. Capacity 100 yards, 18 lb. test line. Packed individually with cork arbor, weight, 9 ounces.

No. **1000** Casting Reels
Each . . . . Suggested Retail . . $16.00 Cost . . **$19.20**

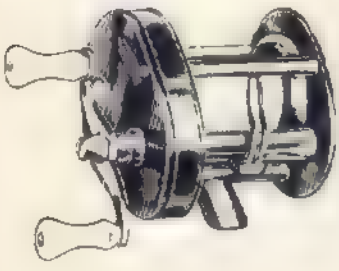
No. 790 South Bend Smooth Cast Reel



An extremely sturdy reel that will give years of casting pleasure and service under the most strenuous fishing conditions. Has all the fine qualities for which Smooth-Cast Reels are famous. Rugged frame and spool are chromium plated brass, handles are black and white mottled pyralin. Capacity is 100 yards 20 lb. test Black-Oreno Nylon line with no arbor, 50 yards with arbor. Weight is 8½ ounces. For a truly superb reel, really standout performance, genuine service, see this reel!

No. **790** Casting Reels
Each . . . . Suggested Retail . . $13.50 Cost . . **$16.20**

No. 780 South Bend Casting Reels



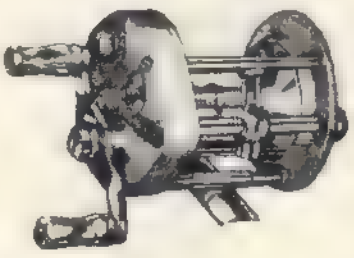
Smoothcast

Direct drive, with sensational new nylon gears. Smooth and quiet in operation and extremely fast.

Beautiful circle finish maroon anodized aluminum head cap and tail plate, tough aluminum alloy frame and spool. Weighs only 5½-ozs. Spool diameter, 1½-inches; pillar length, 1-23/32-inches. Capacity 100 yards of 18-lb. test line without arbor; 50 yards with arbor. Complete with combination screwdriver and wrench, and packaged in transparent plastic re-use box.

No. **780** Casting Reels
Each . . . . Suggested Retail . . $12.00 Cost . . **$14.40**

Supreme Casting Reels



The aristocrat of fishing reels, built with finest engineering and mechanical exactness. Light in weight, rugged in construction.

Finish, satin nickalum, polished chrome trim. Quadruple multiplying phosphor bronze spiral gears; anti backlash recessed spare pawl.

Cork arbor, Speede Reel Oil. Leather bag. Runfree gun grease. Comfo ring, E-Z grip and combination screw driver and wrench. Reel has 1⅞ inch pillar, 2¼ inch plate.

Individually packed in cellophane bag, one per box. Weight, 14 ounces.

No. **1573** Casting Reels
Each . . . . Suggested Retail . . $35.00 Cost . . **$46.70**

Quickie Fish Pole Carrier Clamps

For carrying fish poles, skis, oars and other awkward articles. Attaches to the rain gutter or drip mold of car. Two to a side and places in any desired location - put on and take off instantly. Does not effect opening or closing of doors. Made of metal with aluminum finish will not rust or corrode. Wt., 5-lbs per doz.

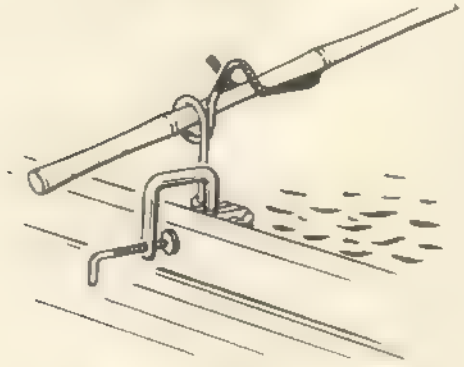
Quicky Clamps
Per pair . . . . Suggested Retail . . $1.50 Cost . . $1.80

B&B Fish Pole and Rod Holders

Made of ½-inch spring steel heavily coated with bright red enamel. Tested and proved in action by bank fishermen from nearly every walk. Holder's positive action will not allow pole or rod to slip free. Packed six dozen in a cardboard carton; weight per carton, 10-lbs.

B & B Fish Pole and Rod Holders
Per doz. . . . . Suggested Retail . . $8.28 Cost . . $9.94

Panef Hold-A-Pole



The Fisherman's Third Hand

Holds rod and reel safely and securely yet simple and easy to use. Conveniently holds cane pole. Provides anchorage for minnow bucket or fish stringer. Panef HOLD-A-POLE is made of spring steel, rust resistant, built to last for years. Swivels to full 360° and is adjustable to all angles. Can be attached to gunwale of boat or boat seat. Ideal for fishing from boat or pier. For trolling or still fishing. Provides safe rack for rod and reel when not in use.

No. 200 Hold-A-Pole
Each . . . . Suggested Retail . . $1.50 Cost . . $1.80

Fishermen's De-Liar

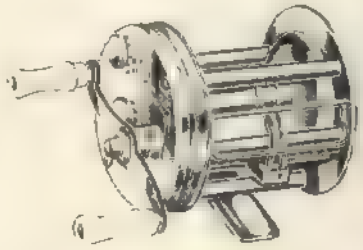
Compact fishing aid that weighs and measures fish. Flexible steel rule and precision built weighing mechanism. Monel Metal scale hook. Case finished in black instrument type enamel.

Two models for all types of fish. Individually packed in attractive red and black cartons.

Model 208 for fresh water fishing and Model 228 for salt water fishing.

Model No.	208	228
Capacity, Lbs. . .	8	28
Capacity, Inches	24	42
No. in Carton . .	12	6
Suggested Retail	$2.00	$2.50
Cost (Each) . . .	2.40	3.50

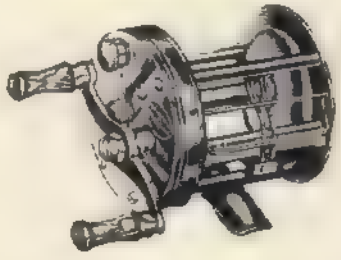
No. 300 South Bend Casting Reel



The lowest priced South Bend Anti-Back-Lash reel. It's of good mechanical construction and will give plenty of service. Suggested for the beginner with a limited amount to invest in tackle but who, nevertheless, wants a good smooth-running, serviceable reel that will stand up under rough fishing and hard usage. Specifications: 3-piece take-down construction; chrome-plated frame and spool caps; hard brass bearings and bushings; Stainless Steel bail wire; quadruple multiplying spiral cut gears; spool diameter—1½ inches; Pillar lengths—1¾ inches; capacity—100 yards 20-pound test Black-Oreno line; weight—7½ ounces. Individually boxed.

No. 300 Casting Reel
Each . . . . Suggested Retail . . $7.75 Cost . . $9.30

No. 400 South Bend Casting Reels



Level Winding Anti-Back-Lash

Three piece take-down construction with chrome plated frame. Insert type bushings, phosphor type bronze bearings. Quadruple multiplying spiral cut gears. Chrome plated bail wire. Spool diameter, 1½ inches; pillar lengths, 1¾ inches. Capacity, 100 yards 18 lb. test line. Individually packed, wt., 7¾ oz.

No. 400 Casting Reel
Each . . . . Suggested Retail . . $10.00 Cost . . $12.00

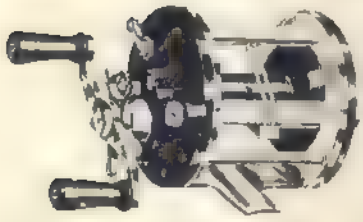
TROLLING AND GENERAL PURPOSE REELS

No. 190 Penn Reels

A free spool reel ideal for fresh water trolling and still fishing. Free spool clutch is operated by snap lever on rim. Gears always in mesh and cannot strip. Stainless steel springs. Sliding click. Adjustable and removable spool bearings. Plate diameter, 2¼ inches. Spool width 1⅛ in. Line capacity 200 yards No. 9 or 150 yards No. 12. Wt. 11 oz.

No. 190 Reels
Each . . . Suggested Retail . . $5.00 Cost . . **$6.00**

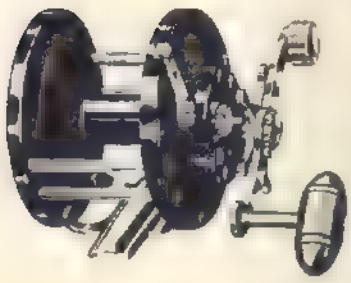
No. 109 Penn Reels



Level wind reel with adjustable star drag. Line capacity 100 yards No 9 or 150 yards No 6. Reel stand 2⅜ ins. for rods with offset reel seats. Plastic spool. Gear ratio 2¾ to 1. Metal parts chromium plated. Weight 11 oz.

No. 109 Reels
Each . . . Suggested Retail . . . $11.50 Cost . . . **$13.80**

Penn "Delmar" Casting Rods



Ideal for fresh water trolling and still fishing. Excellent star drag reels at moderate prices. Model 285 equipped with reinforced metal spool. Both models have steel gears, torpedo handle, smooth action drag and one-shot lubrication. Metal parts are hand-polished and chrome-plated. The streamlined end plates are 3¼" in diam. and spool width is 1-13/16", Weight of 285, 13½ oz.

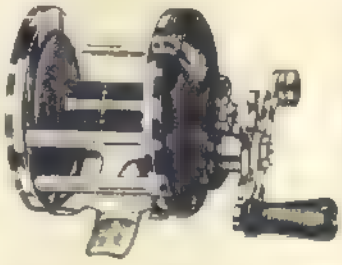
No. 285 Casting Reels
Each . . . Suggested Retail . . . $7.00 Cost . . . **$8.40**

No. 85 Penn Reels

Equipped with an adjustable star drag which maintains a steady tension on line. Takes 200 yards No. 9 line. Reel is made of bakelite and brass, finished in nickel. Plate dia. 3¼ ins.; spool width 1⅛ in. Weight 13¼ oz.

No. 85 Reels
Suggested Retail . . $5.50
Cost (Each) 6.60

Penn Light Tackle Reels



An excellent reel for fresh water lake trolling and still fishing.

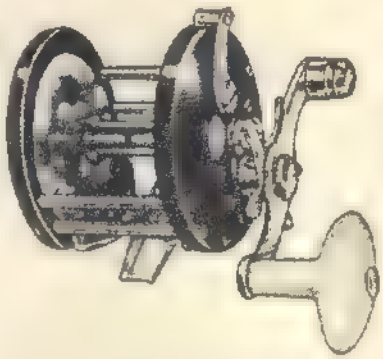
Designed for bait casting rods with offset reel seats. Made with 2⅜ inch reel stand. Non-strip triple multiplying gears. Metal bound end plates.

Plate diameter 2¾ inches. Spool width 1⅝ inches.

Capacity 100 yds. No. 9 Cuttyhunk line.

No. 180 with Star Drag, Wt. 11½ oz.
Each . . . Suggested Retail . . $7.50 Cost . . **$9.00**
No. 185 with Free Spool, Wt. 11 oz.
Each . . . Suggested Retail . . $12.00 Cost . . **$14.40**

Ocean City St. Lucie Reels



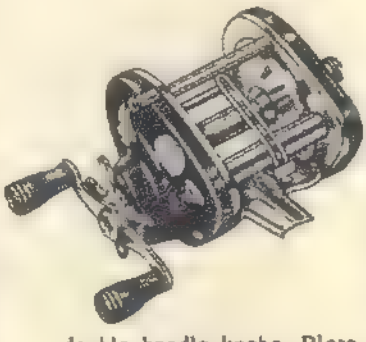
For salt water or heavier fresh water fishing.

Dependable star drag and free spool with stainless steel main and pinion gears. Oilite self-lubricating bearings. Torpedo handles. All exterior metal parts are heavily chrome plated.

Gear ratio 3 to 1; Plate Diameter 2¾ in. Pillar Length, 1⅜ inches. Capacity 150 yards No. 9 or 27 test line. Wt. 13¼ oz.

No. 981 Reels
Each . . . Suggested Retail . . $7.50 Cost . . **$9.00**

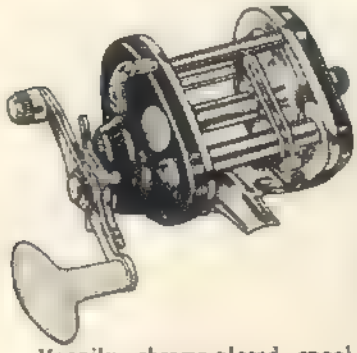
Ocean City Reels



Topsail

For general all around fishing reels. Offers synchro-mesh gears, removable line guide and worm, two extra pawls. Chrome-plated spool. Salt water reel seat included. Fresh water reel seat optional. Gear ratio, 3 to 1. Optional drag; top lever, when thrown, permits handle to reverse, Plastic double handle knobs. Plate diameter, 2¾ inches; pillar length, 1-25/32 inches. Capacity, 200 yard of No. 9 or 27 lb. test line. Weight, 17 ozs.

No. 925 Wind Reels
Each . . . Suggested Retail . . $12.95 Cost . . **$15.54**



Topsail - Free Spool

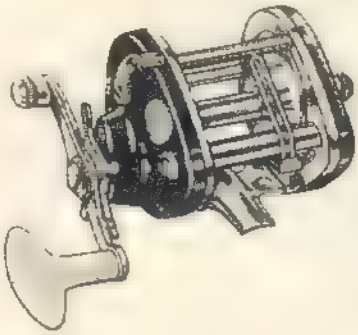
For salt water, river or lake trolling. Level wind action with double handle plastic knobs.

Rust proof pawl and worm and Oilite Shelf lubricating bearings for smooth effortless operation and long life. All exposed metal parts are heavily chrome plated. Heavily chrome-plated spool. Star drag. Free spool; Torpedo handle.

Gear ratio, 3 to 1; plate diameter, 2¾ inches; pillar length 2 5/32 inches. Capacity 250 yards of No. 9 or 27 test line. Weight 18.6 ozs. Individually packed.

No. 923 Reels
Each . . . Suggested Retail . . . $15.95 Cost . . . $19.14

Ocean City "Topsail" Reel



922 "Topsail"—Free Spool, star drag, torpedo handle. Plate Diameter: 2¾"; Pillar Length: 1-25/32"; Weight: 17.8 ozs., 200 Yards Number 9 or 27 lb. test line. (If fresh water reel seat desired, order No. 922F. Same price.)

No. 922 Reels
Each . . . Suggested Retail . . . $13.95 Cost . . . $16.74

No. 76 Ocean City Single Action Fly Reels

One-piece type, of best aluminum alloy for rigidity and lightness in weight. Smooth and easy to handle.

Has silent adjustable drag with control button which permits adjustment from free spool to ¾-lb. drag. Split-second take-apart button makes cleaning easy.

Line capacity: 60 yards.
Spool diameter: 2⅛ inches.
Pillar length: ⅞ inches.
Weight: 5.20 oz.

No. 76 Fly Reels
Each . . . Suggested Retail . . . $5.95 Cost . . . $7.14

No. 77 Ocean City Single Action Fly Reels

Identical to the No. 76 Fly Reel, but with greater line capacity. Variations are as follows:
Line capacity: 100 yards.
Spool diameter: 3 inches.
Pillar length: ⅞ inch.
Weight: 6.20 oz.

No. 77 Fly Reels
Each . . . Suggested Retail . . . $7.50 Cost . . . $9.00

No. 35 Ocean City Single Action Fly Reels

Sturdy die-cast one-piece aluminum alloy frame. Has lightness, balance and sturdiness. Equipped with Duo-Drag—an adjustable click and a smooth silent drag. Chromium line guide with rounded edges. One piece aluminum alloy spool. Plastic handle knob. Side plate design prevents wear.

Black baked enamel finish.
Line capacity: 25 yards.
Spool diameter: 2⅛ inches.
Pillar length: ⅛ inch.
Wt. 5.16 oz.

No. 35 Fly Reels
Each . . . Suggested Retail . . . $3.95 Cost . . . $4.74

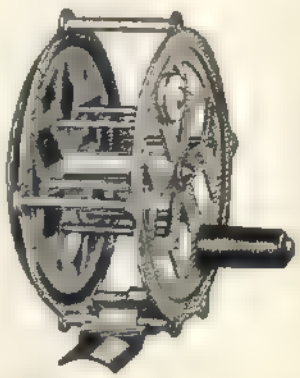
No. 36 Ocean City Fly Reels

Identical with the Ocean City No. 35 but with twice the line capacity.

Variations from the above are as follows:
Line capacity: 50 yards.
Spool diameter: 3 inches.
Pillar length: ⅞ inch.
Weight: 6.08 oz.

No. 36 Fly Reels Each . . . . . .
Suggested Retail . $4.50 Cost . $5.40

No. 1600-S Flylite Fly Reels



Bronson

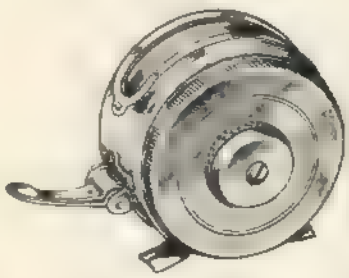
Single action ball burnished nickel reel. Has adjustable click and is also free running. Ventilating side plates allow quick line drying.

A good model for the beginner in fly fishing to use.

Capacity, 80 yards of line. Weight, 4 ozs.

No. 1600S Reels
Each . . . Suggested Retail . . . $1.95 Cost . . . $2.34

South Bend Fly Rod Reels



Orem-O-Matic

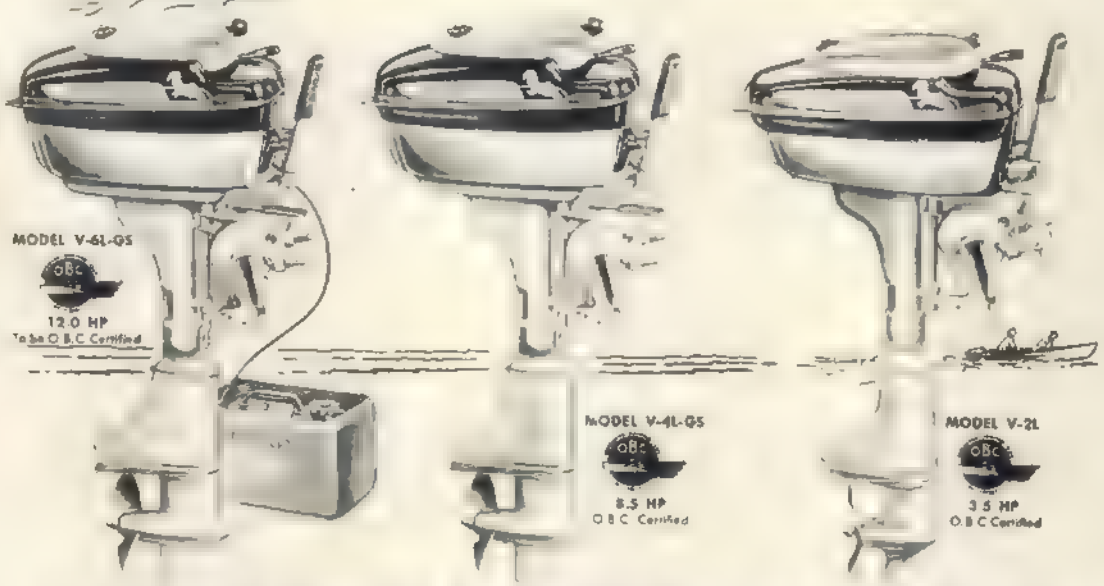
Balanced; freestripping; silent, rugged and dependable. Extra long and extra strong spring retrieves 25 to 30 yards of line. Large, conveniently located knurled spring release. Finger trigger folds flush to reel. Automatic line break prevents broken leaders. Chromium plated line guides and anodized aluminum frame. Rod clip is of stainless steel.

Anodized Maroon Finish

No. 1130 Capacity, 26 yards of size D line; 50 yards of size G line. Weight 8½ ozs.
Each . . . Suggested Retail . . $11.00 Cost . . $13.20

No. 1140 Capacity, 34 yards of size D line; 80 yards of size G line. Weight 9½ ozs.
Each . . . Suggested Retail . . $11.50 Cost . . $13.80

GO WITH VOYAGER



SPECIFICATIONS

	Horsepower	Bore and Stroke	Piston Displacement	Fuel Induction System	Ignition	Carburetor	Approx. Weight	Propeller	Gear Ratio		Starter	Steering	Cooling System	Gas Tank	Approx. Speed Range	Suggested Retail	Cost Each
VOYAGER MODEL V-2L (Non-Shift)	3.5 O.B.C. Certified Gasoline Speed		3.04 cu. in.	Internal dual rotary valve 2 port type	Breaker Point Battery Magneto Atomic Rotor	Dual jet concentric float type	42 lbs.	2 blade, type, diameter 8 x 5½	16	24	Automatic rewind	Automatic to ship upon striking course	Centrifugal Pump	5 gal.	1 to 10 m.p.h.	$119.50	$180.00
VOYAGER MODEL V-3L-GS (Gear Shift)	5.0 O.B.C. Certified Alternate Firing Twin		6.08 cu. in.	Internal dual rotary valve 2 port type	Piston controlled point type magneto	Dual jet concentric float type	46 lbs.	2 blade, steel propeller 7½ x 8	16	24	Automatic rewind	Automatic to ship upon striking course	Neoprene positive rotary impeller type	5 gal.	5 to 17 m.p.h.	$179.95	$268.00
VOYAGER MODEL V-4L-GS (Gear Shift)	6.6 O.B.C. Certified Alternate Firing Twin		12.16 cu. in.	Internal dual rotary valve 2 port type, mounted on dual carb.	Breaker Point Battery Magneto Atomic Rotor	Dual jet concentric float type	54 lbs.	2 blade, steel propeller 9 x 9	4	24	Automatic rewind	Automatic to ship upon striking course	Neoprene positive rotary impeller type	6 gal.	5 to 25 m.p.h.	$215.00	$316.00
VOYAGER Model V-6L-GS (Gear Shift) Available June 1)	12 O.B.C. Certified Alternate Firing Twin		18.24 cu. in.	Internal dual rotary valve 2 port type	Flywheel magneto point type magneto	Dual jet concentric float type	80 lbs.	2 blade, steel propeller 9 x 11	4	24	Automatic rewind	Automatic to ship upon striking course	Neoprene positive rotary impeller type	6 gal. engine mounted fuel tank	5 to 32 m.p.h.	Prices Available in June	Prices Available in June

Fisherman's Special. Weight only 42 lbs. Rugged, clean cut, with automatic rewound starter. Shift forward, reverse, with type 2 large steel propeller. 2 port 4 cycle, heavy duty V-4 engine, 3 cylinders, 3 sets of bearings. Ball bearing crankshaft. Has water cooled exhaust. Has water cooled head. Has water cooled cylinders. Has water cooled piston. Has water cooled bearings. Has water cooled gears. Has water cooled shaft. Has water cooled propeller. Has water cooled steering. Has water cooled starter. Has water cooled rewind. Has water cooled battery. Has water cooled generator. Has water cooled regulator. Has water cooled switch. Has water cooled plug. Has water cooled wire. Has water cooled cable. Has water cooled connector. Has water cooled terminal. Has water cooled fuse. Has water cooled relay. Has water cooled solenoid. Has water cooled motor. Has water cooled pump. Has water cooled impeller. Has water cooled housing. Has water cooled bracket. Has water cooled mount. Has water cooled clamp. Has water cooled screw. Has water cooled bolt. Has water cooled nut. Has water cooled washer. Has water cooled gasket. Has water cooled seal. Has water cooled bearing

Bowman Hobo "Standard"
Plywood

THE HOBO "Standard" is a lightweight open bow fishing and utility model constructed of 1/4" marine plywood.

Specifications

Model No.	4012	4014
Length	12'	14'
Beam	56"	57½"
Stem Width	52"	52½"
Stem Depth	18"	18"
Amid Depth	23"	24"
Bow Depth	26"	27"
Deck Length	15"	15"
Seats	3	3
Max. H.P.	12	16
Actual Weight	145	175
Shipping Weight	195	250
Suggested Retail	$219.50	$239.50
Cost	307.30	335.30

Bowman Rascal "Deluxe"
Plywood

RASCAL "Deluxe" boats are the finest in all respects. Equipped with beautiful, hand-rubbed cedar deck trimmed with graceful steam-bent white oak combing. Excellent base for steering wheel and foundation for windshield. Sides of 1/4" and bottom of extra heavy 3/8" marine plywood.

Specifications

Model No.	5012	5014
Length	12'	14'
Beam	56"	57½"
Stem Width	52"	52½"
Stem Depth	18"	18"
Amid Depth	23"	24"
Bow Depth	26"	27"
Deck Length	42"	42"
Seats	2	3
Max. H.P.	16	25
Actual Weight	175	195
Shipping Weight	250	275
Suggested Retail	$247.50	$263.50
	346.50	368.90

F.O.B. Little Rock, Arkansas. Freight Rate 2½ times First Class.

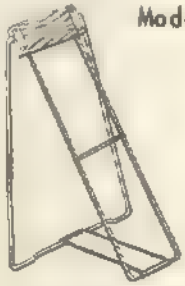
Bowman Boat Kits

BOWMAN KITS are identical to their corresponding finished boat except shipped semi-finished. Pre-assembled on a factory jig, compound angles cut and "faired" by an experienced boat builder; this eliminates need of jig for home assembly. Partially dismantled, parts numbered and packaged knocked-down. Amateur can complete in a few hours. Everything furnished except paint. Complete instructions.

Vagabond Kit	7012		7014
Suggested Retail	$ 74.50		$ 84.50
Cost	104.30		118.30
Resorter Kit	8012	8014	8016
Suggested Retail	$ 97.50	$114.50	$136.50
Cost	136.50	160.30	191.10
Hobo Kit	9012		9014
Suggested Retail	$149.50		$169.50
Cost	209.30		237.30

F.O.B. Little Rock, Arkansas. Second Class Freight.

Model B-1 Light Weight Motor Stand



Low cost economy model for small motor home storage.
All Brinkmann stands are of the best workmanship and have the following features:
Blue Hammerlin finish
Drip plates to keep oil off floor
Fold flat for storage
Packaging: 6 per carton.
Shipping Weight: 5½ lbs. each.

No. B-1 Motor Stand
Each . . . . Suggested Retail . . $3.50 Cost . . $4.20

Model B-3 Portastand

Built to handle medium and small sized motors. A really economical unit.
Packaging: 3 per carton. Shipping weight: 16 lbs. each.

No. B-3 Portastand
Each . . . . Suggested Retail . . $12.95 Cost . . $17.54

Plymouth Nylon Motor Starter Ropes

A nylon replacement motor starter rope for use on outboards, power lawn mowers, and farm equipment comes complete with a wooden handle and five feet of durable nylon rope.
One dozen motor starter ropes are packaged in an attractive container that serves both as a shipping box and counter display unit. The retailer need only remove the outside box and lift up the cover of the inside container to provide a handy counter display of a dozen motor starter ropes.

Nylon Motor Starter Ropes
Each . . . . Suggested Retail . . $.49 Cost . . $.66

The Rock Island

Golden State

Leaves Chicago 1:20 pm daily

for El Paso • Tucson • Chandler
Phoenix • Palm Springs • Los Angeles

"Where Summer Spends the Winter"

Nothing quite like the GOLDEN STATE for carefree, rest-assuring travel to Arizona or California. You'll discover this in the coaches, where every seat is reserved and has full-length leg rest (free pillows). It's apparent in the Pullmans, too, with their wide assortment of modern rooms. And you'll discover it in the dining car, where the preparation of food is a fine art. *Complimentary hors d'oeuvres for Pullman passengers.* Through Pullman and day-night coach from Minneapolis-St. Paul, entraining in the GOLDEN STATE at Kansas City.

Cheaper by the Family

May we tell you about Rock Island's money-saving Family Fares? Mail the coupon.

TRAVEL INFORMATION COUPON

I. C. Bruce, General Passenger Traffic Mgr.
723 La Salle Street Station
Chicago 5, Illinois

I am interested in a trip to_____

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☐ Also send details about money-saving Family Fares.

Name_____

Address_____

City_____ Zone___ State_____

Yehudi Menuhin

Comments on Diamond Phonograph Needles

"I value my record collection too highly to entrust it to anything but the best stylus. For quality reproduction, record protection, economy, and convenience, the diamond needle is without peer."

Insist on a BRAND NAME DIAMOND

TETRAD

For further information write to Dept. NA 62 St. Mary St. Yonkers N. Y.

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The New
CONN "MINUET"

Everything you want in a spinet organ is yours in this great new CONN "MINUET"... and it's so easy to play, you'll enjoy beautiful music from the very first day! But hear it! You'll choose CONN by tone alone!

CONN organs

Free ILLUSTRATED BROCHURE
See your Conn organ dealer, or write us today. Also ask for free booklet, "How to Choose an Organ."
C. G. CONN Ltd., ORGAN DIV.
Department 1126, Elkhart, Indiana

1000 NAME AND ADDRESS LABELS $1

Your own name and address (or your business or friends' names) on 1000 finest quality Kromecoat gummed labels. Up to 5 lines. Packed with hinged, purse-size *plastic gift box.* Padded for easy handling. Use on stationery, checks, books, phonograph records, greeting cards, photographs, etc., etc. 1000 labels only $1 postpaid. SPECIAL OFFER: Any 6 orders for just $5. Ideal for gifts, makes wonderful, useful present. Guaranteed to delight. Handy Labels, 1116 Jasperson Bldg., Culver City 1, California

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For scenery you'll always remember, roomy comfort, Fred Harvey meals and friendly service on your next trip between Chicago and California —go Santa Fe. Go now—pay later.

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Deluxe Pullman service Hi-Level chair car service Pullman-chair car train

Daily between Chicago and Los Angeles

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For reservations, call or write any Santa Fe Traffic Office or Travel Agent.

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Southern Pacific's Sunset Limited. *New Orleans to Los Angeles via Houston, San Antonio, El Paso, Tucson, Phoenix and Palm Springs.*

Sensational! New!

SUNSET LIMITED

NEW ORLEANS - LOS ANGELES

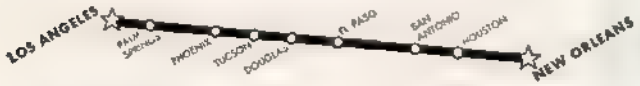
The Streamlined Train with the Southern Accent

Here is America's newest travel sensation, the red-and-silver diesel-powered *Sunset Limited!* Daily this great streamliner flashes east and west over Southern Pacific rails between New Orleans and Los Angeles.

In just 42 hours, at very little extra fare, she takes you "West by South" to California, or returns you "home the Southern Way." It's new. You see Arizona, booming Texas, Louisiana bayous. At New Orleans you should stop over to enjoy the famed cuisine and French Quarter shopping. You connect there with fine streamliners to and from Chicago and New York.

You'll thrill to the interiors of this Budd-built "Streamlined Train with the Southern Accent." She's styled to scenes and colors of the Old South...World's finest sleeping accommodations, newly designed bedrooms and roomettes...Luxury Chair Cars too... $15,000,000 worth of *Sunset Limiteds,* five of them, to assure you this glorious trip, any day, either way!

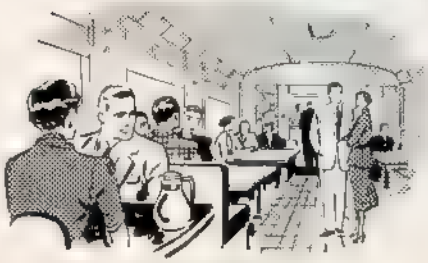
Want a preview of your *Sunset Limited* journey to California? Just mail us the coupon.



S·P

The friendly Southern Pacific

FRENCH QUARTER LOUNGE *car has watermelon walls, white grillework.*



PRIDE OF TEXAS COFFEE SHOP *car has gay longhorn and cattle brand designs.*

Mr. L. C. Iaas, S. P. Co., Dept. TS—9
310 So. Michigan Ave., Chicago 4, Ill.

Please send me, free, your 24 page, full-color booklet *"The New Sunset Limited,"* including map and route description.

NAME _____

ADDRESS _____

CITY & ZONE _____

STATE _____

If school student, please state age.....

Planning a Western Trip?

TRY S.P.'s CALIFORNIA STREAMLINER...

SUNSET LIMITED

NEW ORLEANS • ARIZONA • LOS ANGELES

STOP OVER in New Orleans. It's one of America's top vacation cities. For fine food, fine entertainment and a fine time, you can't beat it. Then board the *Sunset Limited* for the swift, smooth ride to California. Big, no-glare picture windows. Feather-touch doors. Pullmans or Chair Cars. French Quarter Lounge and Audubon Dining Room bring the flavor of New Orleans along.

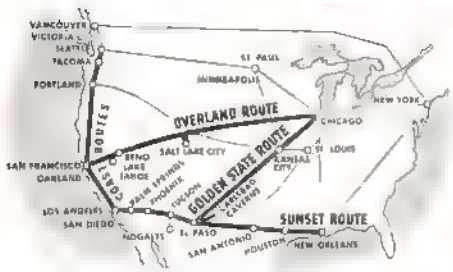
We're the best people to see about any Western trip. We have more streamliners, serving more of the West, than any other railroad.

Remember, all Western scenery is on the ground. You see it best from **SOUTHERN PACIFIC STREAMLINERS.**

SOUTHERN PACIFIC LINES

S·P

AMERICA'S MOST MODERN TRAINS



C.T. Collett, Dept. 54, S P. Co., 310 So. Michigan Ave., Chicago 4 Illinois

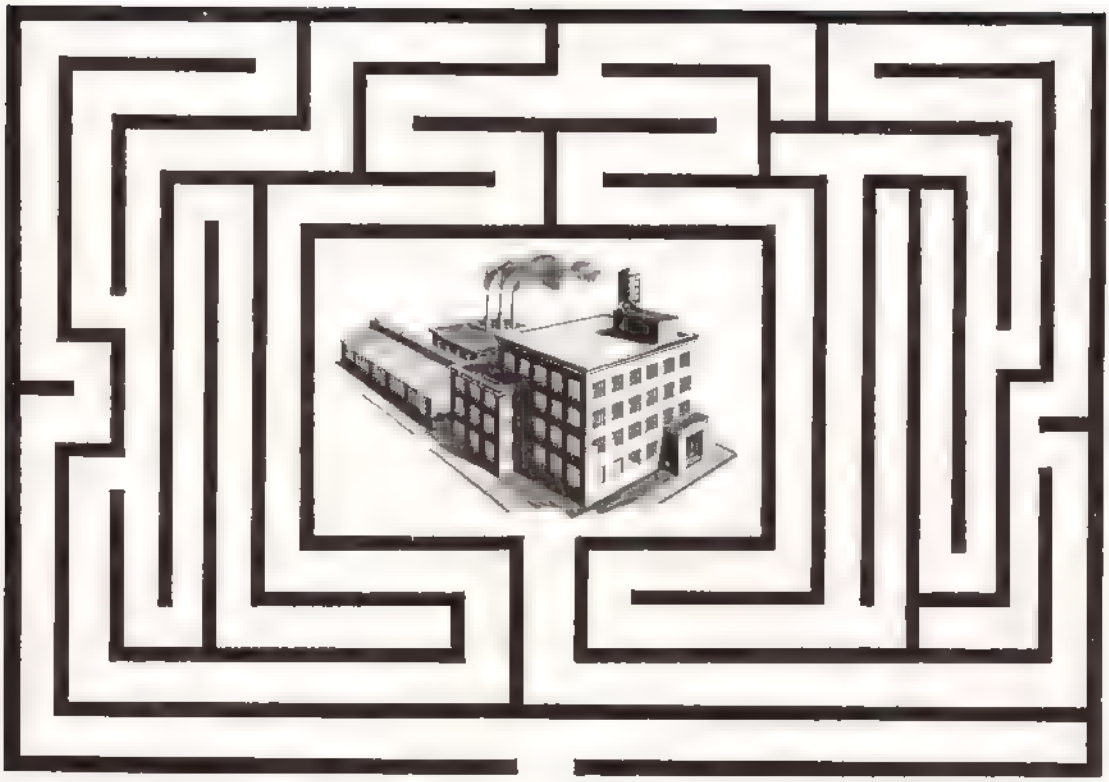
Please send me, free, your full-color book, "Wonderful Ways West"

NAME _____

ADDRESS _____

CITY & ZONE _____ STATE _____

Mention the National Geographic—It identifies you



Want out?

TIMES CHANGE! What once may have been an ideal factory site when grandfather was running the plant can be completely out of step with present conditions. And it's no fun to do business these days surrounded by a bewildering maze of economic handicaps and hardships.

There's a realistic way out of a situation like this—*look South!* You'll find that the modern, industry-minded Southland offers a host of down-to-earth advantages of every kind. Efficient transportation. Intelligent, willing workers. Large and expanding consumer markets. Rich natural resources nearby.

Take a good look at the land of the "new look" in industry. You'll like what you see.

"Look Ahead—Look South!"

LOOK SOUTH
LOOK AHEAD

SOUTHERN
RAILWAY SYSTEM
WASHINGTON, D. C.

Harry A. DeButts
President

The Southern Serves the South

Mention the National Geographic—It identifies you

PERFECT PLANT SITE

(for someone else)

PLANT SITE SPECIFICATIONS ARE highly individualized. That's why it does not disturb our Industrial Development people in the least to have you turn thumbs down on a "picture-book" site such as this one.

They recognize that many factors enter into plant location studies. And they know, too, that chances are they *do* have just what you are looking for. As one of the largest and most experienced industrial development agencies in the South, the Southern's Industrial Development Department has complete and detailed information on hundreds of available sites of every size, kind and description.

This comprehensive "one-source" service for so many industry location possibilities throughout the Southland is set up to serve *you* —competently, completely and of course in strict confidence. Let us hear from you so we can help you.

"Look Ahead—Look South!"

Harry A. DeButts
President

Is manpower the big QUESTION MARK?

IT OFTEN IS THESE DAYS, when planning for industrial expansion and growth.

That's why factories located in the Southland are uniquely fortunate. For one of the "resources" of the modern South is an abundant supply of dependable, efficient manpower—unskilled, skilled and on the management level.

Competent, willing, easily-trained workers—in the heart of a rich and growing industrial region—are playing a vital part in the dynamic development of the busy Southland today.

"Look Ahead—Look South!"

Harry A. DeButts
President

LOOK SOUTH
LOOK AHEAD

SOUTHERN
RAILWAY SYSTEM
WASHINGTON, D. C.

The Southern Serves the South

Mention the National Geographic—It identifies you

An Invitation to Dine in Luxury

The stairway in background leads to the upper dome level where you can dine under the open sky.

This Astra Dome dining room has a rare charm revealed in soft, pleasing colors and textures...in exquisite table ware. Guests enjoy truly marvelous meals prepared from the finest of fresh foods, graciously served.

The Astra Dome dining cars are in service between Chicago and the Pacific Coast on the "CITY OF LOS ANGELES" and "CITY OF PORTLAND" Domeliners. These luxurious dome dining cars are an exclusive Union Pacific feature.

When arranging your next trip through the West, we suggest you ask to be routed on a Union Pacific Domeliner
There is no extra charge — just extra pleasure.

UNION PACIFIC RAILROAD

UNION PACIFIC RAILROAD, Omaha 2, Nebraska

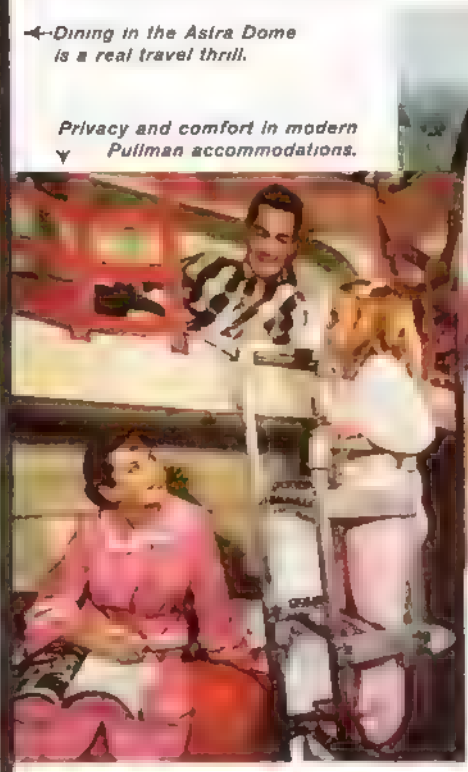
You can relax...
on the "City of Los Angeles" Domeliner

between CHICAGO and Los Angeles

Too often we think of a vacation only in terms of *where* to go. The *how* of going also is of importance. It will add a great deal to your enjoyment if you board a Union Pacific Domeliner for a relaxing, scenic trip.

Dining in the Astra Dome is a real travel thrill.

Privacy and comfort in modern Pullman accommodations.



No extra charge for riding in the Astra Dome lounge car.

The Domeliner "CITY OF LOS ANGELES" represents the finest in modern rail travel. The photos tell the story. Dining-car service, too, is unsurpassed. You have a wide selection of freshly prepared foods, graciously served.

• • •

On your way to or from Los Angeles—by Union Pacific—you can stop over at exciting, glamorous Las Vegas at no extra rail fare. Ask your ticket or travel agent.

FAMILY FARE PLAN

You'll be surprised at what you can save on Family Plan rail fares. Generous baggage allowance. Ask any rail travel representative for details.

MAIL COUPON FOR BOOKLET

UNION PACIFIC RAILROAD
Room 777, Omaha 2, Nebr.
I am interested in a rail trip to California. Please send booklet.

Name _____

Address _____

City _____ Zone ____ State ____

Phone _____

Also send Family Fare Plan Leaflet ☐

UNION PACIFIC RAILROAD

Really—
I had no idea
that travel through
the West could be
so enjoyable

The main dining room features a distinctive table arrangement.

Only through personal experience could this fair lady, or anyone else, have discovered how really delightful it is to travel on a Union Pacific Domeliner.

So many things contributed to her pleasure; such as marvelous food in the smartly appointed main dining room or, if she chose, roof-garden dining in the Astra Dome.

And you can be sure that she appreciated the "boudoir" conveniences for milady in the modern Pullman rooms.

May we suggest that you, too, discover the leisure and luxury of Domeliner travel west of Chicago, or east from the Pacific Coast, on the **"City of Los Angeles"** or **"City of Portland."** There's no extra fare.

For husband and wife, or family groups, Family Plan Fares offer a surprising saving in travel dollars.

UNION PACIFIC *Railroad*

Reliable Passenger and Freight Transportation

A Triple Travel Treat by

UNION PACIFIC RAILROAD

GRAND CANYON
National Park, North Rim

together with

ZION
and

BRYCE CANYON
National Parks
Southern Utah

Union Pacific's Grand Canyon Lodge overlooks the Canyon's North Rim.

● It's a thrilling adventure to visit these three famous National Parks all closely connected by smooth highways. No two Parks are alike in spectacular formations or glowing color. Union Pacific motor buses meet your train at Cedar City, Utah, where the tour of the Parks begins.

Make these National Parks your vacation destination or, as many do, visit them as a stop-over on the way to or from Los Angeles. Comfortable accommodations and excellent meals. Go there on luxurious Domeliners.

Mail coupon for a Southern Utah-Arizona booklet which describes the Parks and how to get there

UNION PACIFIC RAILROAD

Room 731, Omaha 2, Nebr.

Please send free Southern Utah-Arizona booklet.

Name_____

Address_____

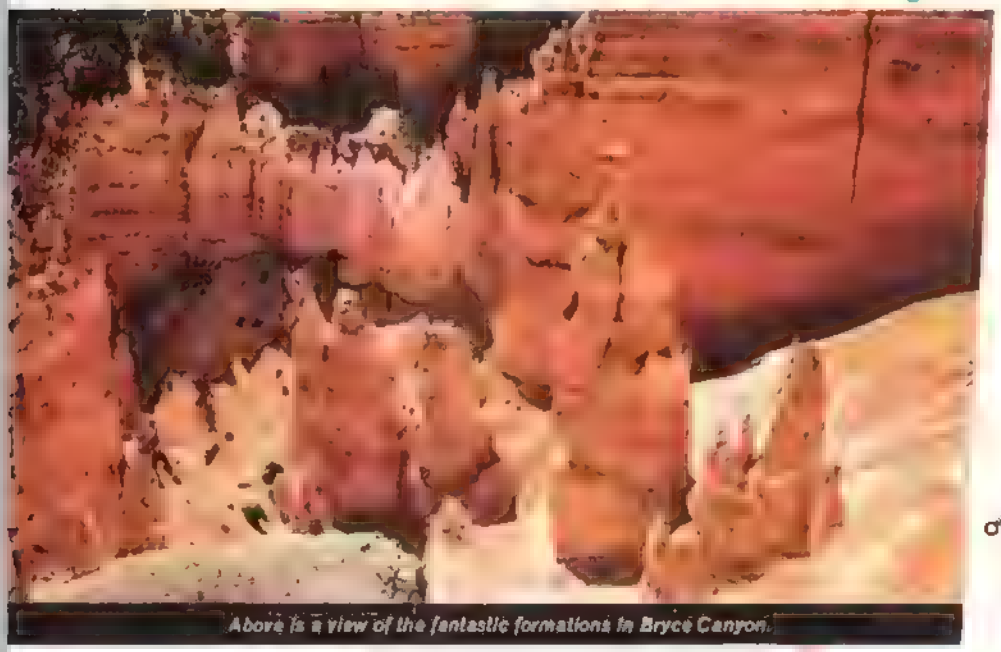
City_____ Zone ___ State _____

If student state age_____ and special material will be sent. Also send information about All-Expense Vacation Tours ☐

on your way to or from

Los Angeles

go Union Pacific



Above is a view of the fantastic formations in Bryce Canyon.

and stop over to see these 3 NATIONAL PARKS . . .

at no additional rail fare!

The colorful and exciting beauty of these amazing National Parks annually attracts and thrills thousands of visitors.

Fortunately, it is possible to see them as a stopover on your way to or from Los Angeles when you go by Union Pacific.

A comfortable motor bus meets your train at Cedar City, Utah, and transports you through a world of sight-seeing adventure. Your overnight accommodations in the Parks are completely modern and meals are excellent.

So why not take advantage of this unusual travel bargain? Even a short stay in this marvelous scenic region will greatly enhance the enjoyment of your trip. Ask to be routed by "U.P.," traveling to or from Los Angeles.

(Above) The stone towers of Zion National Park form a cathedral of beauty.

(Below) Overwhelming in size, dramatic in color, Grand Canyon is magnificent.

By all means, take your camera. Mail coupon, requesting our "Utah-Arizona National Parks" booklet. It includes suggestions on how to obtain the best color photo results in the Parks area.

Union Pacific Railroad, Room 767, Omaha 2, Nebr.
Please send free So. Utah-Arizona booklet.

*Name*_____

*Address*_____

*City*_____ *Zone*____ *State*_____

*Phone*_____

Also send leaflets: Family Plan ☐ All-Expense Tours ☐

UNION PACIFIC RAILROAD

Grand Canyon of Yellowstone and Lower Falls, which plunges downward for 308 feet

Magnificent, new Jackson Lake Lodge . . . Teton range in the background.

YOUR *Yellowstone Vacation*

IS NOT COMPLETE WITHOUT SEEING *Grand Teton*

UNION PACIFIC RAILROAD

To enjoy a delightful contrast in Nature's storehouse of scenic attractions, you'll want to include the breath-taking, mountainous grandeur of Grand Teton with the magic land of Yellowstone. These two picturesque National Parks are only a few miles apart. Union Pacific provides the most relaxing, pleasurable way to reach them. Write us, in care of Room 745, for illustrated booklet and information about a trip to these vacationlands

UNION PACIFIC RAILROAD

OMAHA 2, NEBRASKA

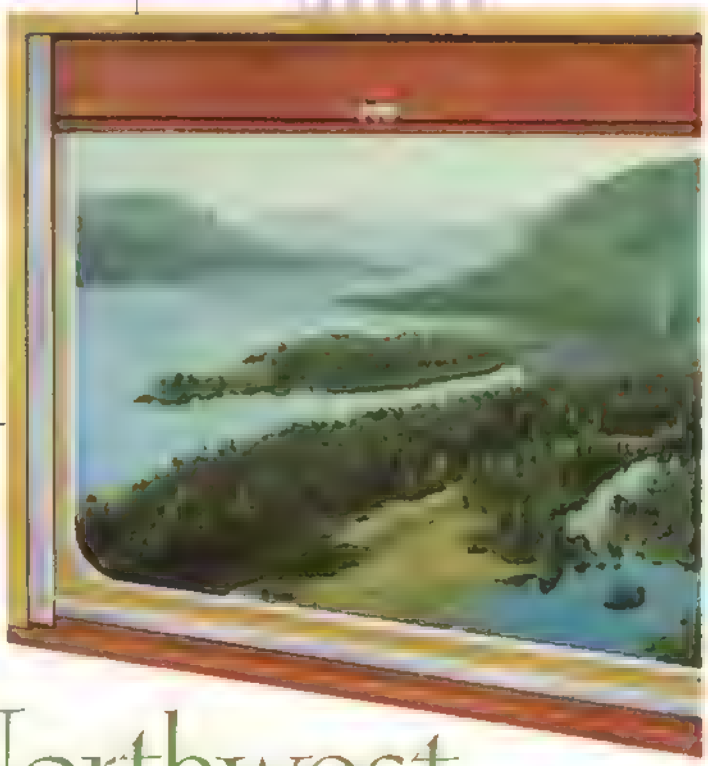
In any season, for many reasons all signs favor . . .

UNION PACIFIC

Railroad

Serving eleven western states with the finest in travel comfort and dependable freight service

You don't need Color "TV"



to bring you the beauty of the

Pacific Northwest

Your car window on the Streamliner "CITY OF PORTLAND" is like a giant size TV screen bringing you picture after picture of magnificent scenic beauty in full color. East of Portland, for 200 miles, Union Pacific rails parallel the wondrous Columbia River Gorge. Completely relaxed, you can fully enjoy this "show of shows."

The Streamliner offers a variety of Pullman accommodations . . . reserved Coach seats with restful, stretch-out leg rests . . . a choice of excellent dining-car meals graciously served. Go "Union Pacific" for pleasurable travel.

Family Travel Plan

If hesitating between train travel and driving, check on the big saving in rail fare for two or more persons in a family group. See your local ticket or travel agent. Remember, you can rent a Hertz "Driv-Ur-Self" car on arrival for sightseeing.

UNION PACIFIC RAILROAD

UNION PACIFIC RAILROAD, Room 712, Omaha 2, Nebr.

I am interested in a train trip to the Pacific Northwest.
Please send free booklet

Name_____

Address_____

City_____ Zone____ State_____

For husband and wife or family groups our Family Fares save travel dollars.

You see where you're going . . . you remember where you've been!

. . . when you travel

Domeliner

To *really* see the unforgettable West—in living color—there's no better vantage point than a Union Pacific dome car. Yes, the "eyes have it," when you go by Domeliner.

Distinctive Lounge and Club cars offer refreshments and deep-cushioned relaxation. Pullman and Coach equipment is the finest.

Adding to your travel pleasure are the marvelous meals, freshly prepared, graciously served. On the "City of Los Angeles," "City of Portland," and on the "City of San Francisco" between Chicago-Ogden, are the only Dome Dining cars on any railroad—a special treat.

On your next trip through the West, see for yourself what a joy travel can be—by Union Pacific.

Domeliners

"CITY OF LOS ANGELES"
between Chicago-Salt Lake City-Las Vegas-Los Angeles

"CITY OF SAN FRANCISCO"
between Chicago-Ogden-San Francisco

"CITY OF PORTLAND"
between Chicago-Denver-and Portland (Tacoma-Seattle)

"CITY OF ST. LOUIS"
between St. Louis-Kansas City-Denver-Los Angeles

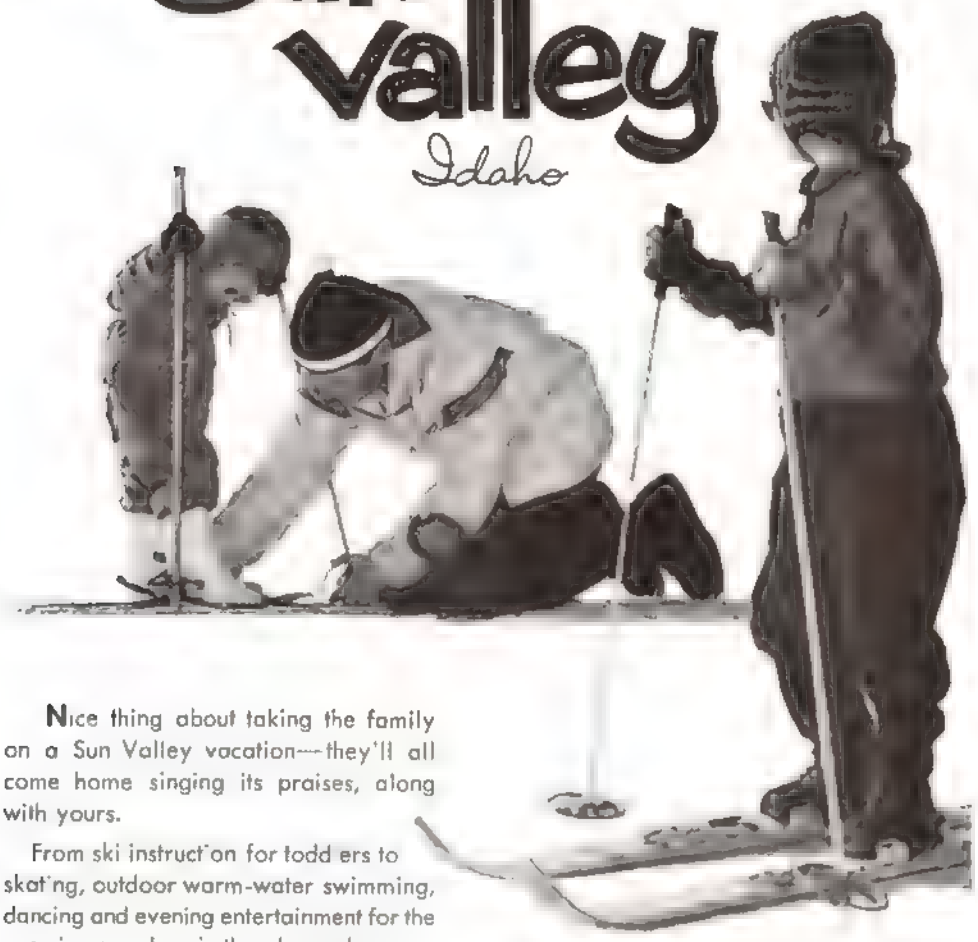
UNION PACIFIC
Railroad

Omaha 2, Nebr.

UNEXCELLED TRANSPORTATION FOR PEOPLE AND PRODUCTS

there's no age limit on fun!

at Sun Valley Idaho



Nice thing about taking the family on a Sun Valley vacation—they'll all come home singing its praises, along with yours.

From ski instruction for toddlers to skating, outdoor warm-water swimming, dancing and evening entertainment for the growing ups, here's the place where everyone makes out, in the fun department.

Why don't you make this the season?

Owned and operated by
UNION PACIFIC RAILROAD

UNION PACIFIC RAILROAD

FOR RESERVATIONS:

Address Mr. Winston McCrea, Manager, Sun Valley, Idaho (or phone Sun Valley 3311) or Union Pacific Railroad, Room 2556, Omaha 2, Nebr., or see your local travel agent.

Mention the National Geographic—It identifies you

Most famous of all geysers—reliable Old Faithful with Old Faithful Inn in background.

YELLOWSTONE · GRAND TETON
NATIONAL PARKS

Every season Yellowstone is "discovered" by thousands. This nature-endowed wonderland has no counterpart anywhere. Here are geysers that send aloft pillars of steaming water . . . a waterfall twice the height of Niagara . . . boiling "paint pots" . . . and everywhere eye-delighting scenic beauty. Comfortable hotel and lodge accommodations are available.

When you "discover" Yellowstone this summer, visit its near-by neighbor, Grand Teton National Park, an area of scenic mountain splendor also known as the Jackson Hole country. A new, modern lodge, recently completed, will accommodate additional hundreds of visitors to this National Park. Go this year, in restful comfort, by Union Pacific.

FAMILY TRAVEL PLAN

A big saving in rail fares for two or more persons traveling as a family group. In addition to hand luggage, a total of 300 pounds in baggage may be checked free.

UNION PACIFIC RAILROAD

In the magnificent, new Jackson Lake Lodge, large picture windows frame a sweeping panorama of the Teton Range.

FREE — *Mail coupon for attractive booklet with photo-word descriptions of these National Parks.*

UNION PACIFIC RAILROAD
Room 729, Omaha 2, Nebr

I am interested in a train trip to Yellowstone-Grand Teton National Parks. Please send free booklet.

Name _____

Address _____

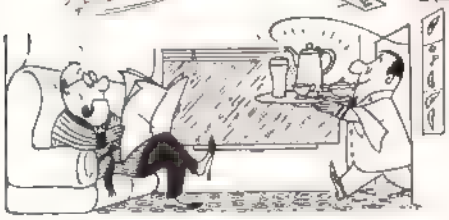
City _____ Zone ____ State ____

Phone _____

Also include Family Travel Plan Leaflet [ ]

Bon Voyage!

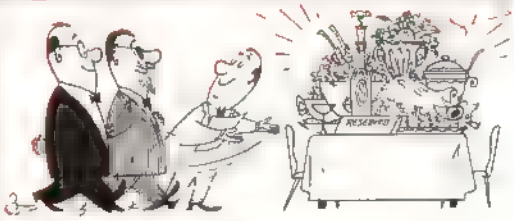
...or how to turn a business trip into a two-day vacation



Bedroom-living rooms are last word in luxury. Just as in a fine hotel, the California Zephyr's private rooms are designed to make your stay thoroughly enjoyable . . . room service, individual air conditioning-heating, radio, extra-wide beds, etc.

Glass-enclosed penthouses overlook mountains. As you travel through the Colorado Rockies, across the High Sierra and down Feather River Canyon into California, you can ride upstairs in one of the streamliner's five Vista-Domes

Guests enjoy the genial informality of two lounges. In addition to a mid-train Vista-Dome Buffet Lounge, there is a glamorous Vista-Dome Observation Lounge Car, the *only* observation car operating between Chicago and San Francisco.

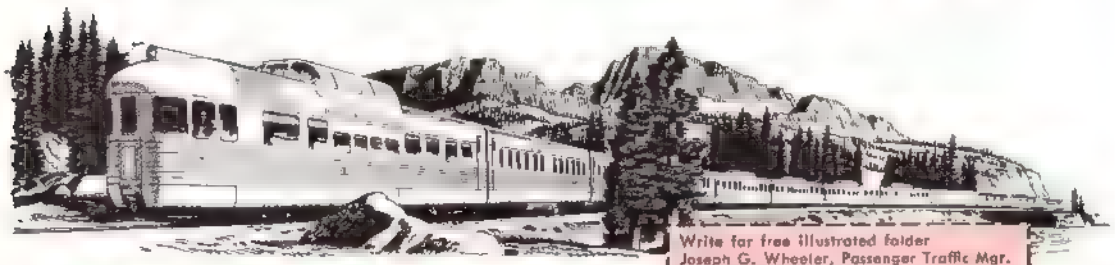


Superb cuisine includes such delicacies as mountain trout for breakfast, Crab Louie salad for lunch, and tender, sizzling hot steak for dinner. And the unique system of advance dinner reservations eliminates tiresome waiting in line for a table.

The only train to San Francisco with five Vista-Domes

California Zephyr

Chicago to San Francisco via Denver and Salt Lake City on the Burlington, Rio Grande and Western Pacific.
(Pullmans ... Chair Coaches ... through Pullman New York-San Francisco ... low-cost Family Fares)



WESTERN PACIFIC

Write for free illustrated folder
Joseph G. Wheeler, Passenger Traffic Mgr.
Western Pacific Railroad
526 Mission St., San Francisco 5, Calif.

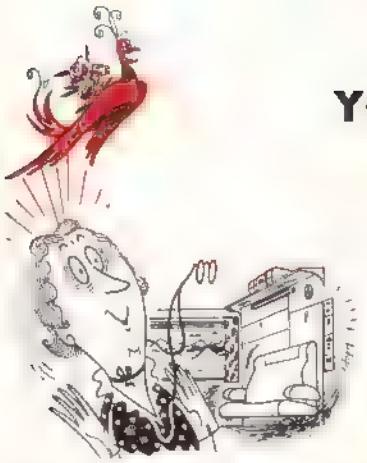
Name _____

Address _____

City _____ State ____ (NG)

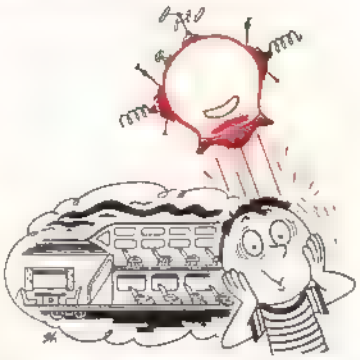
YOU'LL BE *Surprised*

when you take your first trip aboard the Vista-Dome California Zephyr . . . the most talked-about train in the country!



You'll be amazed by the many unusual features provided by the California Zephyr to make your trip comfortable and enjoyable. For instance, all private rooms . . . drawing rooms, compartments, bedrooms and roomettes . . . have individual controls for lighting, heating, air conditioning, radio or recorded music.

You'll be overwhelmed by the hundreds and hundreds of miles of magnificent mountain scenery you'll see from the Vista-Domes *during daylight hours.* From Denver to Grand Junction . . . for 275 breathtaking miles . . . you ride through the very heart of the mighty Colorado Rockies. And crossing the High Sierra into California, you travel the entire length of Feather River Canyon!



You'll be astonished by the *spaciousness* of the California Zephyr. The 120 seats upstairs in the *five* glass-enclosed Vista-Domes are *not* sold, *not* reserved. This is *extra* space for the enjoyment of both Chair Coach and Pullman passengers. What's more, there are *two* Lounge Cars as well as the Diner. There's room to roam!

You'll be surprised by the unique system of dinner reservations in the Dining Car. There's no waiting in line; you reserve your table *in advance!* And the reasonable prices in the Diner, which features such Western delicacies as mountain brook trout, Crab Louie and abalone steaks, are *another* pleasant surprise!

THE VISTA-DOME

California Zephyr

DAILY BETWEEN CHICAGO AND SAN FRANCISCO

via Denver and Salt Lake City on the Burlington, Rio Grande and Western Pacific Railroads

(Through Pullman daily between New York and San Francisco)

Include Southern California via San Francisco without additional rail fare!

WESTERN PACIFIC

For colorful California Zephyr booklet, write Joseph G. Wheeler, Passenger Traffic Manager, Western Pacific, 526 Mission St., San Francisco 5, California

A SELF-TUNING UKULELE

HAS BEEN ADDED TO THE EXCLUSIVE FLAMINGO UKELELE!

AT NO EXTRA CHARGE

This extraordinary self-tuner gives perfect tuning every time, under all conditions. The acoustically-perfect self-tuner is reeded, so that when the person blows into tuner, perfect notes are given; each string gets perfect tone, instantly! AND THIS EXTRA FEATURE IS YOURS TO PROMOTE! . . . AT NO EXTRA CHARGE!

FAMOUS

Arthur Godfrey

UKE PLAYER

plus

FLAMINGO UKULELE

WITH THE NEW EMENEE

EXCLUSIVE SELF-TUNER

ONLY $4.98

With the same generous discount you enjoyed before!

PLAYER ALONE 98¢

Backed with extensive nation-wide advertising support

Emenee INDUSTRIES 200 Fifth Ave., New York 10, N. Y.

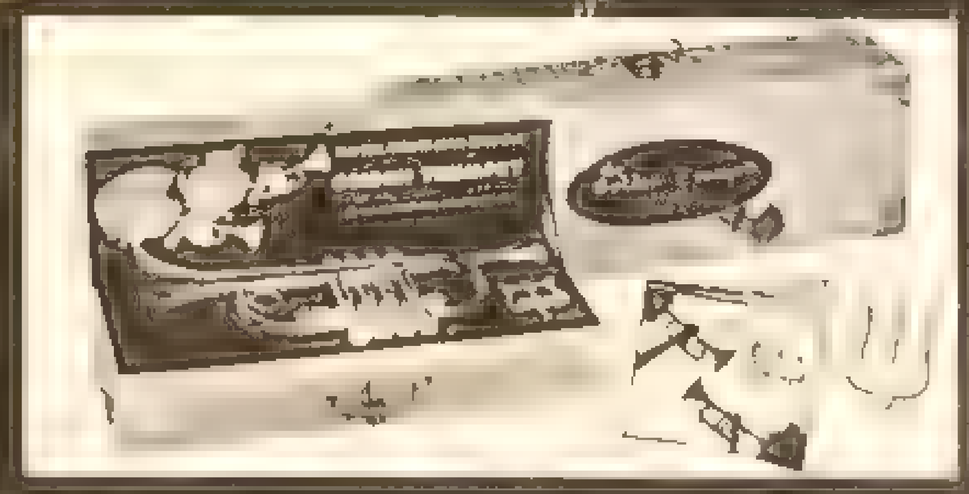
THE

Golden Trumpet

- ★ HEAVY GOLD PLATING ON PLASTIC! Over 13 inches long!
- ★ Brass Hand-Tuned Reed Notes!
- ★ Complete With Individual "Luggage" Carrying Case, Detachable Music Stand, and Music Book, to Play Dozens of Bugle Calls, Marches and Songs!

Suggested Retail **$2.98**

Packed 1 Doz. to Shipping Carton. Weight 11 lbs. FOB Long Island City, (N.Y.)



Emenee INDUSTRIES

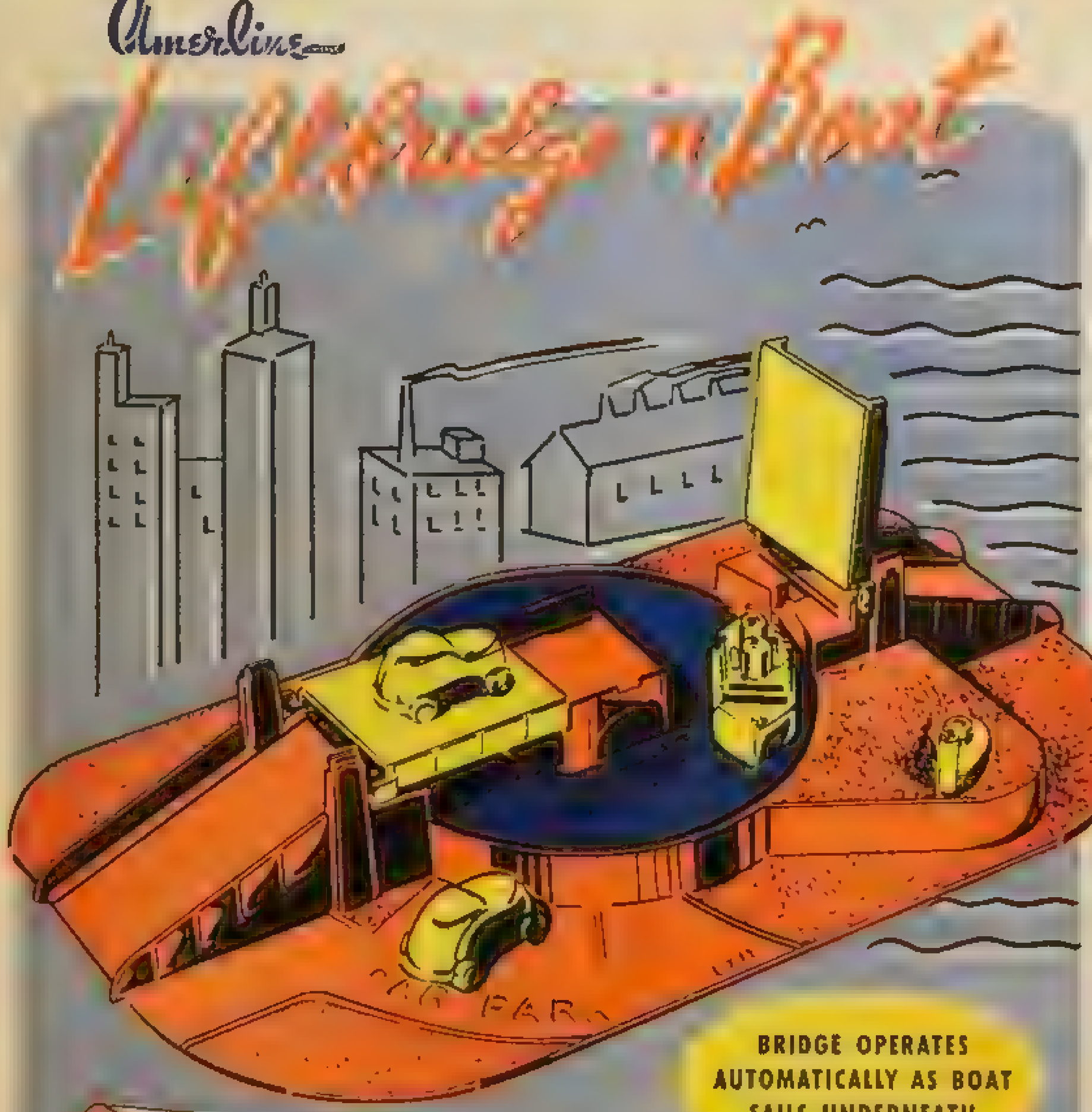
200 Fifth Ave., New York 10, N. Y.

Representatives: East: H. L. Merlo Co. • South: Brown-Eddy Inc. • Midwest: James Cavanagh • West: A. N. Greenberg

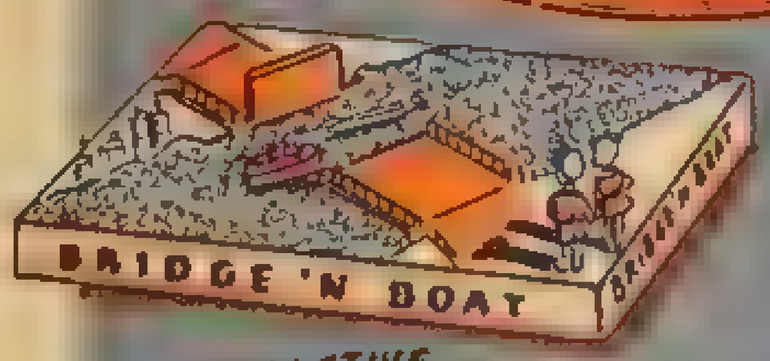
"ROSEBUD"
the new squeeze-toy
SCENT-sation by
JALAY
just one of a bevy of
gaily scented
sales-making plastic toys
by ALAN-JAY
at the TOY FAIR
Booth 1039
Hotel New Yorker
Phenomenal
TEE-TEE-TOTS
TEE-TEE CIRCUS
complete with Clown, Elephant and Bell
attached to a stay-put suction cup
They smell good . . . sell good!
COMMENDED
PARENTS
Ask For Our New 1952 Catalog!
PLASTICS, INC. 4502 PARK AVENUE, NEW YORK, N.Y.

Amerline

Automatic Bridge and Boat



BRIDGE OPERATES AUTOMATICALLY AS BOAT SAILS UNDERNEATH



ATTRACTIVE INDIVIDUAL DISPLAY BOX!

PRODUCT NO. D-568

9½"x5½"x1⅓"—Colors Red, Blue, & Yellow. Std. Pack 6 Dozen—Wt. 35 LBS.—TERMS 2/10 Net 30 F.O.B. Chicago, Ill

Amerline creates another profit leader in action toys . . . Automatic Bridge and Boat. Here is a four piece mechanical play set with double action play value appeal.

When young bridge tender turns handle, boat sails on river. Bridges automatically raise and lower with realistic sound as boat approaches and passes through.

Two model cars provide added play value—can be placed in realistic parking lot or run over bridge.

You will find an added market for Automatic Bridge and Boat as an accessory to standard train sets and model railroads.

You will automatically increase sales with the Amerline Mechanical Bridge and Boat. Write, wire or phone an order today.

Amerline

1644 N. HONORE ST., CHICAGO 22, ILLINOIS

Amerline presents

FRISKY

THE PRANCING PONY

SEE US AT TOY FAIR
ROOM 1243 HOTEL NEW YORKER
ROOM 521 200 FIFTH AVE.

Filmed-ads Toy with Life-like Action

Attractive 2 color
Individual Display Card

As cute and smart a pony as ever frolicked in a pasture . . . he prances, he kicks, he bucks. Children love his antics . . . parents, too.

Powered by a trouble free, rubber band motor, Frisky jumps and prances on any flat surface. The pony is wound by the child-appealing method of revolving the tail.

Frisky is a sturdy model of a real live pony that appeals to children in a wide age range group.

Here is an action toy that really registers. Don't miss a ride on this popular seller. Order today.

Catalog No. P-368 Colors: Red and Yellow. Std. Pack: 6 Doz. Shipping Wt. 12 lbs. F.O.B. Chicago, Ill. Terms: 2%, 10 days; Net 30

AMERLINE, INC. 1644 N. HONORE ST. CHICAGO 22, ILL.

FUN-da-MENTAL Toys

... for every CHILD

... for every TOY COUNTER!

... ON LAND ... ON THE SEA

No. 123 FISHER-PRICE ROLLER CHIME

Clappers on top roller strike revolving bright steel xylophone bars mounted on cylindrical sound pipes. Beautiful chime sound results. Solid wood wheels. Steel yoke 7" wide. Suggested retail $3.00*

No. 150 TIMMY TURTLE

Happy musical pull toy moves along with feet paddling back and forth, tail wagging. Bright green, high impact shell, 11" long. Suggested retail $2.45*.

... IN THE AIR ... IN OUTER SPACE!

No. 498 HAPPY HELICOPTER

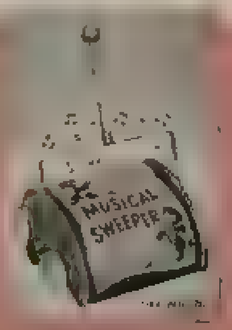
Propeller whirls. Engine "buzz buzzes". Solid wood body with full color lithograph strong steel axle and acetate propellers. 9¼" long. Suggested retail 29c*.

No. 750 SPACE BLAZER

Saucer whirls, bell "ding-dings", rocket "roar", antenna vibrates. Gay colored lithograph on solid wood. Green headed "man from mars" under plastic dome. Steel axle 14" long. Suggested retail $1.25*

No. 220 LOOKY CHUG-CHUG

Newly redesigned. Bell rings automatically chug chug sound device, pistons and cylinders create. Sturdy wood, steel axles. 12¾" long. Suggested retail $2.00*.



No. 225 MUSICAL SWEEPER

Redesigned cover decorated with appealing honey bears. Actually sweeps as it plays gay musical notes. Brush and dust compartment. 8" wide. Suggested retail $2.00*.

No. 310 MICKEY MOUSE PUDDLE JUMPER

Engine "put putts" as rear of car screams and Mickey sways from side to side. Wood construction, 6½" long. Steel axles. Suggested retail 60c*.

** Retail prices slightly higher in West*

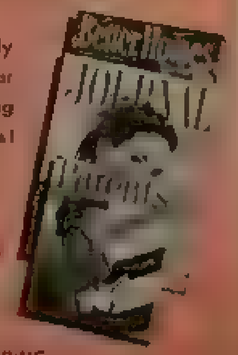
CHILDREN play more with Fisher-Price Toys because they are FUN! Child counselors agree that in the bright colors appealing sounds amusing actions and lovable personalities children find social and MENTAL development. Toys that are FUN and aid in MENTAL development are fundamental for the child, and for every toy department!

Visit the Fisher-Price Toy Fair display. Order Fisher-Price Toys as basic stock for every month of the year!

FISHER PRICE INC. TOYS
EAST AURORA NEW YORK

MAKE EVERY DAY A *Selling* DAY

Fisher-Price Toys are nationally advertised year 'round for year 'round sales. Watch for Spring ads in these leading magazines!



SEND FOR CATALOG SHOWING COMPLETE 1953 LINE

NEW YORK OFFICE AND DISPLAY: SUITE 417, 200 FIFTH AVENUE BUILDING

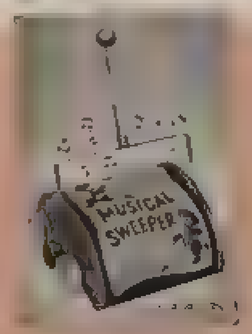
FUN-da-MENTAL Toys

... for every CHILD
... for every TOY COUNTER!
... ON LAND ... ON THE SEA

No. 123 FISHER-PRICE ROLLER CHIME
Clappers on top roller strike revolving bright steel xylophone bars mounted on cylindrical sound pipes. Beautiful chime sound results. Solid wood wheels. Steel yoke 7¾" wide. Suggested retail $3.00*

No. 150 TIMMY TURTLE
Happy musical pull toy moves along with feet paddling back and forth, tail wagging. Bright green high gloss impact shell. 11" long. Suggested retail $2.45*.

No. 220 LOOKY CHUG-CHUG
Newly redesigned. Bell rings automatically, "chug-chug" sound device, pistons and cylinders rotate. Sturdy wood, steel axles. 12¾" long. Suggested retail $2.00*.



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No. 310 MICKEY MOUSE PUDDLE JUMPER
Engine "pull-pulls" as rear of car screens and Mickey sways from side to side. Wood construction, 6½" long. Steel axles. Suggested retail 60c*.

*Retail prices slightly higher in West

CHILDREN play more with Fisher-Price Toys because they are FUN! Child counselors agree that in the bright colors, appealing sounds, amusing actions and lovable personalities, children find social and MENTAL development. Toys that are FUN and aid in MENTAL development are fundamental for the child, and for every toy department!

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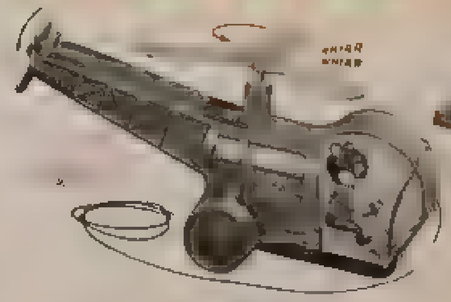
... IN THE AIR ... IN OUTER SPACE!



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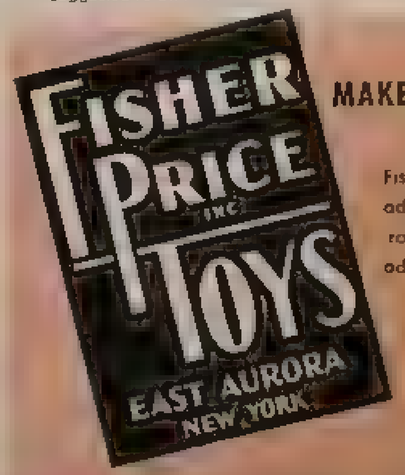
No. 750 SPACE BLAZER
Saucer whirls, bell ding-dongs, rocket roars, antenna vibrates. Gay colored lithograph on solid wood. Green headed man from Mars under plastic dome. Steel axle 14" long. Suggested retail $1.25*



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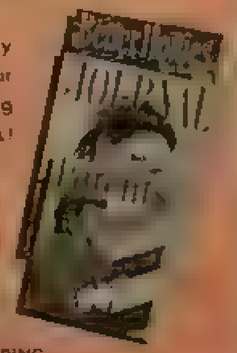


NEW YORK OFFICE AND DISPLAY: SUITE 417, 200 FIFTH AVENUE BUILDING

Lido Out of this World...in Demand...in Sales for '53!

#400 TOY A-DAY $1.00* retail

#227 FLOATING RATTLE SET $1.00* retail

141 COVERED WAGON 59c* retail

☆

On display for the first time!

HOWDY DOODY®

"TELE-VIEWER"

Here's another sensational, fast-moving, money making novelty! Created and designed by LIDO. Be sure you see this exciting NEW toy at the Toy Fair and the Toy Centre

#120F

WESTERN CORRAL ROUND-UP $1.00* retail

1063 LARGE STENCIL SET $1.00* retail

#1102 TILE-TRIX $1.00* retail

#140 CHUCK WAGON 39c* retail

#791 FLEET SQUADRON 59c* retail

#221 ABC SETS $1.00* retail

#1085

LARGE KNITTING SET $1.00* retail

350 SEWING CARDS 29c* retail

#3002 FUTURAMEN 59c* retail

See Us at the Toy Fair!

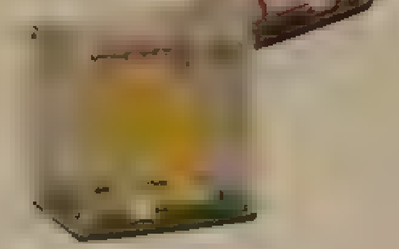
HOTEL McALPIN
Rooms 55[illegible] & 581

TOY CENTRE
700 5th Ave. Room 206

Lido TOY COMPANY

N. Y. OFFICE 200 5th AVE., ROOM 206

Plant: 321 Bleecker Ave., L. I. 51 | Cypress 8-4943 & 6



KOO ZOO

Wild Beast in Pen & Cages

Brightly colored animals and engine cars each in rigid wear plastic blocks. One and one half inch rounded cubes.

No. KZ-9 ... 98¢

KD-205

KUSAN KUTIES

Shaggy bodied bunnies and redheads with gold-colored hair. Handpainted features. Each doll is packed in a protective cellophane bag.

No. KD-205 – 5" jointed eyes, painted pictures

No. KD-206 – 7" painted eyes, bent pull cord

No. KD-207 – 7½" sleeping eyes, moving head, jointed

KD-207

KUBES

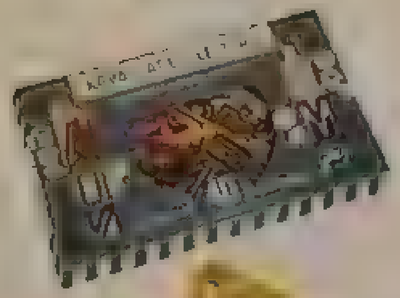
One and one-half inch blocks of smoothly finished bright colored wood. Beautifully decorated with permanent non-chip paint. The complete alphabet plus a multitude of nursery characters.

No. K-22 ... 1.98. **No. K-99** ... nine blocks in wooden box 98

KOO CHOO

A twenty-piece rolling zoo of wild animals. Smooth wooden bead wheels. Strong steel axles for easy rolling. Constructed of sparkling multi-colored hardwood blocks.

No. KC-4 ... 1.98



ALPHABET LETTERS

Fifty genuine wood letters and numbers in the complete durable decorative wood. Letters and numbers one inch thick. Tough plastic finish will not discolor. The letters stand up on any level surface making a KAYAGRAO decorative spelling game, training and gymnasium. **No. K-50** ... 98

SNOW BLOCKS

Four dozen gaily colored wooden blocks in red, white and blue. Solid maple. THE SNOW BLOCKS are painted wooden blocks. The snow flake design and harmonizing blocks are smooth rounded corners. **No. K-40** ... 1.39

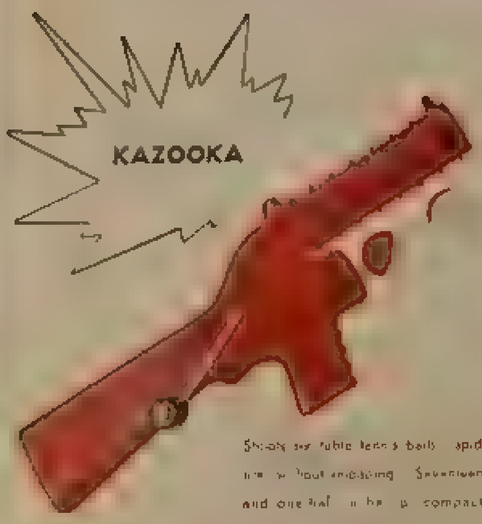
KOLOR KART

A plastic pull toy that never runs upside down. It rolls with either side up. Eight brilliant colors that constantly change while the toy is pulled along. Washable. Safe. Sturdy.

No. KK 8 ... 98¢

KOUNTRY FAIR

Eight interlocking tractor and over all trailer plastic blocks, each with an interlocking action, encouraging playmates to join in. Easy to take apart. Smooth rounded corners and sturdy construction. **No. K-81** ... 98



KAZOOKA

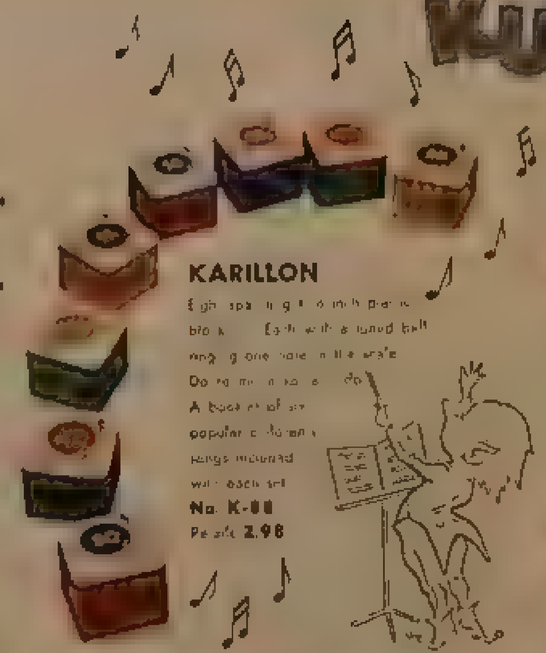
Shoots six rubber bands rapid fire without reloading. Seventeen and one-half inches long, compact action. Absolutely safe and practical. Heavy plastic and metal construction for long life under roughest combat conditions.

No. K-90 Retail **1.98**

KARNIVAL

Midway Magic in action! Nine bright plastic pieces with colorful backgrounds. Each a complete miniature. A genuine brilliant gold finish, smooth rounded edges and professional quality.

No. K-82
Retail **1.98**



KARILLON

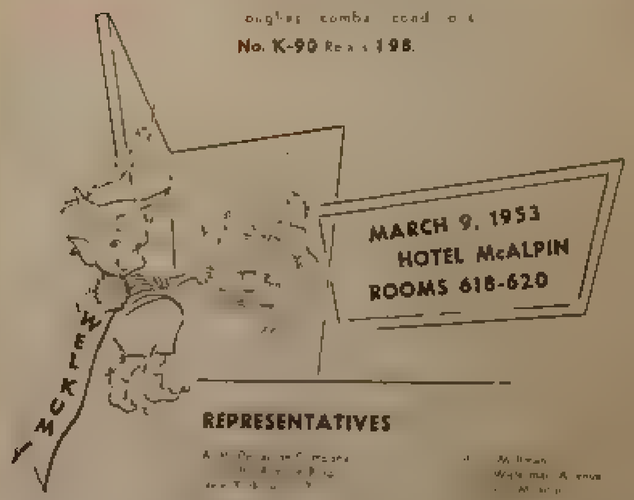
Eight sparkling plastic pieces. Eight with a tuned bell ringing one note in the scale. Do re mi fa so la ti do. A treasury of six popular children's songs included with each set.

No. K-88
Retail **2.98**

KOMET WATER PISTOL

An eight inch long pistol and rifle combination. Holds a reservoir of more than 20 shots of water. Molded of brilliant plastic and durable dyes and combined.

No. K 70 Retail **98**



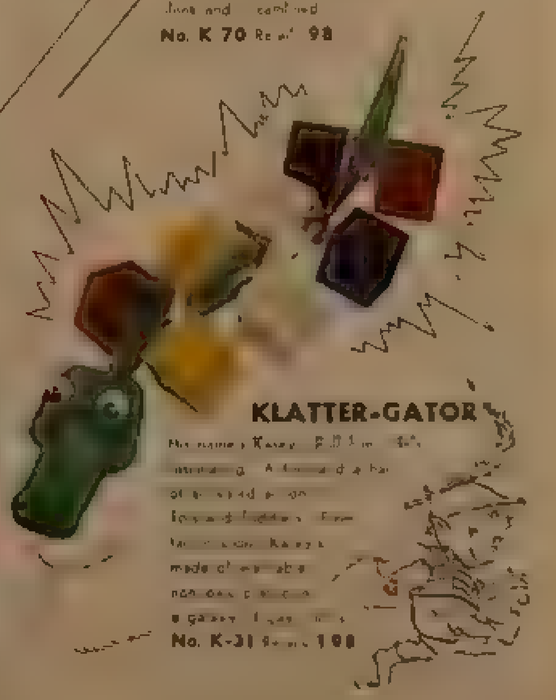
REPRESENTATIVES

KUSAN, INC., 2716 FRANKLIN ROAD, NASHVILLE, TENNESSEE

KOO ZOO "20 S"

Wild Beasts in plastic cages. Originated by Pushart. Imported with humorous animals. Fine and permanent colorful finish. Ideal for rink and bath.

No. KZ-20 Retail **1.98**



KLATTER-GATOR

The name's Kasey. Pull him [illegible] A [illegible] of the world's [illegible] famous fighters. From [illegible] Kasey's made of [illegible] non-toxic [illegible] a gator [illegible]

No. K-31 Retail **1.98**

PROMOTE POOLS FOR MORE PROFITS

Consumers Want Larger Sizes

It's easier to trade consumers up to these longer sized at these lower prices. All pools with three independently inflated rings and metal valves. Side wall hose connector drain — individually boxed with maintenance kit. Air pressed.

SUPER-GIANT 108 ROUND POOL

49.50.

GIANT 90 POOL

29.95.

HUGE 72 ROUND POOL

17.95.

NEW! Exclusive EXTRA!

HOME INFLATING DEVICE

Ends Huffing, Puffing, Pumping!

FOR ALL SIZE POOLS

NEW! QUALITY POOLS PRICED FOR VOLUME

40 ROUND POOL 4.95.

52 ROUND POOL 7.95.

23% More Play Area

60" SQUARE POOL

12.95.

U. S. FIBER AND PLASTICS CORP. PLAY PLASTICS DIVISION, STERLING N. [illegible]

All pools made of virgin plastic
All rings inflate individually
All have metal valves with protective sleeves
All individually boxed with maintenance kit
All pretested – All unconditionally guaranteed

NO.	DESCRIPTION	AT AN PRICE	SIZE	NO. OF RINGS	BAFFLE RINGS	GALLON CAPACITY	VALVES	NO. OF CASE	CASE CONTENT
[illegible]	A Round Pool	4.95	[illegible]	3		3	[illegible]		[illegible]
[illegible]	B Round Pool	7.95	[illegible]			5	3 Valves		25 lbs.
95	Square Pool	5.95	[illegible]			3	Valves		40 lbs.
29	29" Square Pool	1.98	[illegible]	1	1		3 Valves	6	[illegible]
72	72" Round Pool	17.95	[illegible]	3	6	470	4 Valves	6	60 lbs.
90	90" Giant Pool	29.95	[illegible]	3	12	9	3 Valves	2	60 lbs.
108	108" Round Pool	49.95	[illegible]	3		14	Valves	2	85 lbs.

1954

Million-Air

INFLATABLE

FUN SPLASHERS

A NEW! POKEY THE TURTLE 1.50.

B NEW! HAPPY THE HIPPO 2.50.

C. SPACE FLYER 3.00.

D NEW SURF MAT 7.95.

E STREAMLINER RAFTS
Senior and Junior
[illegible] 5.00.
[illegible] 3.00.

F. SWIM RINGS
Three Sizes Assorted Colors
[illegible] 1.00.
[illegible] 1.50.
[illegible] 1.00.

G PLAY BALLS
Three Sizes, Multicolor & Panels
[illegible] .75.
[illegible] 1.00.
[illegible] 2.00.

[illegible]

SPACE FLYER

NEW SELF SELLING MULTI COLOR BOXES

SALES PROMOTION AIDS

[illegible]

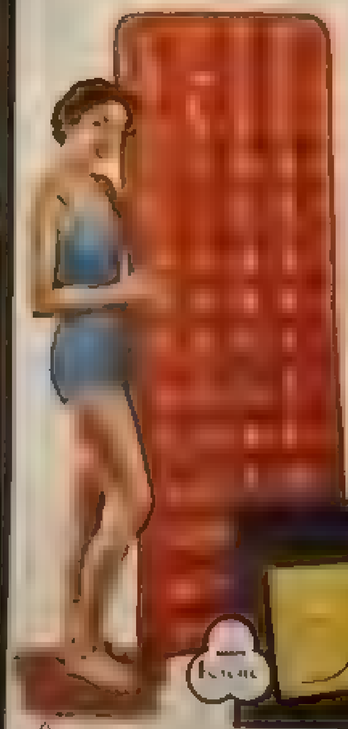
NATIONAL ADVERTISING AND PUBLICITY

[illegible]

1954
Million-Air Inflatables

THE VIKING BOAT
7.00.

DELUXE COMMODORE BOAT
20.00.



BEACH MATS

New Tufted Mat
12.50.

New Ribbed Mat
With Snaggletie
7.00.

New!
Punching Toy
No Sand In Bottom
5.00.

3.00.

G.I. Joe

New
Lone Ranger's Horse "Silver"
2.00.

PLASTIC MAINTENANCE KIT
.30.

For Your Nearest Sales Representative, Write To
U.S. FIBER AND PLASTICS CORP., PLAY PLASTICS DIVISION, STIRLING, N. J.

1954 Million-Air Inflatables

Give You MORE TO SELL Than Any Other Quality Line!

Every Pool Gives You At Least One Major Plus Over Any Other Line

- Heavier Gauges You Can Feel
- Larger Sizes You Can See
- More Features You Can Show
- Lowest Prices for Size and Quality
- Fewest Returns, Less Than 1/2 of 1%
  YOU KEEP YOUR PROFITS, END COSTLY RETURNS
- One Pool Source - All Styles, All Prices
  ROUND, SQUARE, OVAL POOLS
- Proved Best Self-Selling Boxes
- National Advertising, Publicity
- Unconditionally Guaranteed*

MILLION-AIR
*Unconditionally Guaranteed

A Brand New Concept in Design
Created To Appeal To Ages 4 to 9
NEW SEASIDE 75" OVAL POOL
9.95.

All items subject to prior sale. Prices subject to change without notice.

Model
TOYS

No. 2006, *Model* ADAMS ROAD GRADER

No. 2007 [illegible]

No. 2009 [illegible]

No. 2010, *Model* AMERICAN LA FRANCE PUMPER

No. 2011 [illegible]

No. 2012 [illegible]

No. 2013, *Model* BARBER GREENE BUCKET LOADER

No. 2014, *Model* AMERICAN LA FRANCE AERIAL LADDER

Also Specialties 351

THE CHAS. WM. DOEPKE MANUFACTURING CO., Inc
ROSSMOYNE, OHIO

The producers of THE LONE RANGER *make available for merchandise licenses another Smash Hit Show with wide juvenile appeal!*

- **RADIO** *Fourteen years 431 Mutual Broadcasting System stations carry this top-rated show 5 times each week Sponsored by Quaker Oats Co*
- **COMIC BOOKS** *by Dell Publications Co.*
- **COLORING BOOKS** *by Whitman Publishing Co.*
- **PHONOGRAPH RECORDS** *by Decca Records, Inc*
- **PUZZLES** *by The Milton Bradley Co.*
- **HOLSTERS** *by Esquire Novelty Co.*
- **FLASHLIGHTS** *by U. S. Electric Mfg. Co.*
- **PLAYSUITS** *by Herman Iskin & Co., Inc.*
- **SCHOOL BAGS** *by National Leather Mfg. Co.*
- **BADGES, TIE CLIPS** *by Charles M Geraghty Co., Inc*

The same thoroughgoing policy which has made *The Lone Ranger* the most remarkable sustained merchandising success in America . . . now will be devoted to another proven favorite! *Sergeant Preston of the Yukon* and his wonder dog "Yukon King" are natural merchandise tie-ins! A number of select manufacturers have already applied for and received merchandise licenses . . . a limited number are still available. For complete details write:

TRENDLE-CAMPBELL-MEURER, INC.
28 WEST ADAMS AVENUE
DETROIT 26, MICH.

Also producers of
THE LONE RANGER • THE GREEN HORNET
THE AMERICAN AGENT

There's nothing like Smith-Miller

play value and scale model realism

806 SILVER SIRIAK EXPRESS
An aluminum beauty. 4 disked wheels with heavy duty truck tires. Length 23" Wt 6 lbs 8 oz

Packed 6 to mas ter shipping carton

807 BIG MIS VAN
There's always excitement when a big van comes up especially when it carries the original of a nationally known moving and storage institution. Length 27" Wt 8 lbs.*

810 SEARCHLIGHT TRUCK
A spectacular new Smith-Miller reproduction of a famous truck used at public events. Operings outdoor shows, etc. eight platform detachable for parking in any position. Eight turns on and off. Batteries not included. Length 25" Wt 6 lbs

804 MACH NIRT HAULER
Just the right low-bed equipment to transport heaviest play loads. Equipped with two removable ramps. Length 26" Wt 6 lbs

808 TANDEM TIMBER
A big lumber farm with double load of smooth edge boards, loading bolt rollers and chains. Length 25" Wt 10 lbs

805 MOBILGAS TANKER
So faithful in color, authentic design and imagine children recognize it as the real thing instantly. Length 22" Wt 6 lbs*

801 FURNITURE PICK-UP TRUCK
Delive s imaginary furniture or real toys with speed and safety. Length 21" Wt. 2 lbs 8 oz *

812 AERIAL LADDER
Every youngster's dream of a truck in resplendent fire engine colors and scale model detail. Aluminum aerial ladders extend to 6 feet on fully rotable base. Length 25" Wt. 14 lbs

802 DUMP TRUCK
For a busy day-long dirt hauler workhorse at the freeways. Full dumping action with rack and pinion, and self-opening tailgate. Length 1" Wt. 3 lbs

803 EMERGENCY TOW TRUCK
With crane cable and hook this handy little truck is useful for a hundred emergency jobs around the room or play yards. Length 3" Wt 3 lbs 12 oz *

809 BLUE DIAMOND DUMP
A sensationally popular truck with extra options the real hydraulic lift has positive action, easy trap, self-opening tailgate, easy to dump sand, gravel, coal. Length 19" Wt [illegible] lbs

Colors and Models subject to change without notice

The Most Famous Name in Toy Trucks

You'll notice ... [illegible] booklet attached to the entire Smith-Miller line ...

You'll welcome ... the big, beautiful 1953 unit ... the "Stretch" ... the low prices ... and sound future rates of higher ... Smith-Miller

You'll profit ... if you display Smith-Miller trucks in your window and on your shelves, and place Smith-Miller ad mats ... Miller quality. And ... to display and mer...

You'll have to hurry! ... and store cash registers will be happier than ever! As always with toys of true quality, production is limited and will undoubtedly be sparked by early ... so prompt orders are advised.

SMITH-MILLER, INC. TOY TRUCK MAKERS TO ALL AMERICAN YOUTH *2932 Nebraska Ave., Santa Monica, Calif.*

Factory Representatives:

WEINBERG-WEIL	200 Fifth Avenue, Room 424, New York 10, New York
THE DENNIS COMPANY	1069 Briarcliff Road, N. E., Atlanta, Georgia
PAUL S. BURG	6122 North Hamilton Avenue, Chicago 45, Illinois
LESLIE E. TAYLOR	Merchandise Building, Minneapolis, Minnesota
McDONALD & SHAW	Southland Hotel, Dallas, Texas
THE MOUNTAIN STATES SALES COMPANY	623 Mining Exchange Bldg., Denver, Colorado
WARD FRANCIS COMPANY	Terminal Sales Building, Seattle, Washington
WARD FRANCIS COMPANY	1533 Wilshire Boulevard, Los Angeles, California

SMITH-MILLER
SMITTY-TOYS

FAMOUS TRUCKS IN MINIATURE

ON DISPLAY
Room 711 Hotel New Yorker

BIGGEST NEWS OF THE YEAR!

Special Act of Congress Enables Forest Service of U. S. Dept. of Agriculture

TO GIVE IDEAL EXCLUSIVE RIGHTS TO MANUFACTURE AND SELL

SMOKEY BEAR

NATIONALLY FAMOUS SYMBOL OF FOREST FIRE PREVENTION

IDEAL WILL ENLIST THE AID OF HUNDREDS OF THOUSANDS OF JUNIOR FOREST RANGERS TO GET FOLKS TO REMEMBER TO PREVENT FOREST FIRES

IDEAL INVITES EVERY TOY DEPT IN THE COUNTRY TO COOPERATE IN THIS VI TALLY IMPORTANT PUBLIC SERVICE WRITE FOR COMPLETE INFORMATION

IT S A WONDERFUL TOY IT S IDEAL

IDEAL TOY CORPORATION

IDEAL'S SMOKEY BEAR WILL BE THE MOST DRAMATIC PROMOTION EVER PRESENTED IN THE TOY INDUSTRY!

PLAYTHINGS, 1953 — MARCH, 1953

. . So much to be SEEN . . . . in 416 ! !

Now You'll Sell Even More of These Popularly Wanted Toys.

Algy

IDEAL'S HYPO-ALLERGENIC SOFT TOYS

Now in a NEW $3.00 RETAIL SIZE!

For three years one of Ideal's Soft-Toys best sellers! Thousands of dust-allergic children now have the fun of growing up with their beloved Teddy Bears! Get the Algy story today! . . . for steady year round profits!

IT'S A WONDERFUL TOY . . .

IT'S IDEAL

DOLLS

See Harriet Hubbard Ayer . . . See Miss Curity . . . and other new hits . . . . from America's Biggest Doll Manufacturer.

The most unusual and exclusive line of smash hit items in Ideal's hit-packed history!

PLASTICS

See the Mechanical Bulldozer, Ideal's Circus, The Panorama, the Luxury Coupe, and dozens of thrilling new items!

SO MUCH TO BE SEEN IN 416!

STUFFED TOYS

See Peter Pan, The Bear with Moving Lips, SMOKEY, and other NEW toys in Ideal's hit parade!

ALL BUYERS ARE SEEN 416!

INFLATABLES

See the line that's setting new sales records!

IDEAL TOY CORPORATION
200 Fifth Ave., New York 10, N. Y.

CHICAGO
1410 Merchandise Mart

DALLAS
901 Commerce St.

L. A. ANGELES
[illegible] Main St.

ARTOYS DIVISION

See new pre-school toys—featuring L.T.I. "Interest Index" Toys. See Artoys New NYLON Wading Pools . . . and others.

THE WONDER HORSE DE LUXE

Patented and Trade Name copyrighted

The best Hobby Horse ever designed — The most Beautiful Hobby Horse ever built!

The rich coloring of the PALOMINO horse, as shown here in natural color, is faithfully reproduced in this Life Like Charger.

Manufactured under the same rigid construction specifications as its older brother, THE WONDER HORSE, the PALOMINO is truly a toy of rare beauty.

Skillfully molded of high impact plastics, this PALOMINO Steed represents the last word in safe, beautiful and long-lived toy construction.

A deluxe gaited horse in utility, quality and appearance whose acceptance in the trade has been astounding.

The Wonder Horse De Luxe has our Magic Spring Action and is fully guaranteed.

Unmatched in beauty and design anywhere, this Wonder Horse De Luxe is packed one to a carton; weight, 25 lbs.; overall measurements: length 36"; height 21".

On Display—Toy Show, Room 742, Hotel New Yorker

WONDER PRODUCTS CO.

Manufacturers • Collierville, Tenn.

L. D. Phone 4242

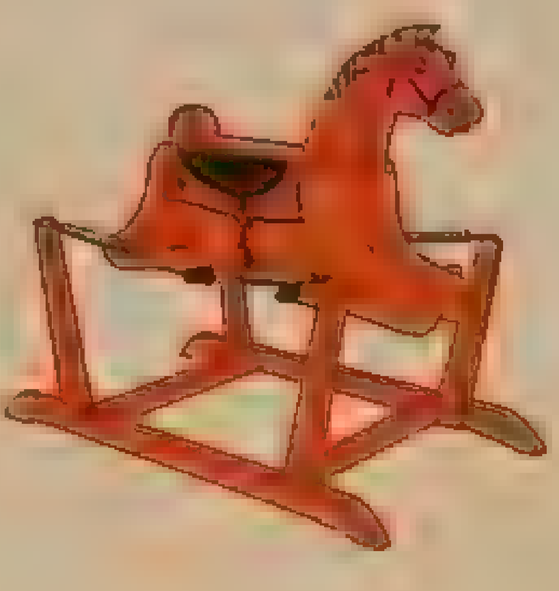
[redacted]

THE WONDER HORSE

"it's gaited"

A juvenile W-O-N-D-E-R, the Wonder Horse is an indoor pony for the kiddies. Its MAGIC SPRING action develops grace, rhythm and muscular co-ordination.

The Wonder Horse is packed one to a carton; weight, approximately 25 lbs.; length 36"; height 19¼".



Enormous play value for children from one to six years old. A real body builder.

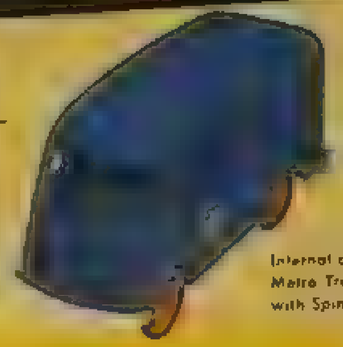
On Display—Toy Show,
Room 742, Hotel New Yorker

WONDER PRODUCTS CO.

Patented and Trade Name copyrighted

Manufacturers • Collierville, Tennessee

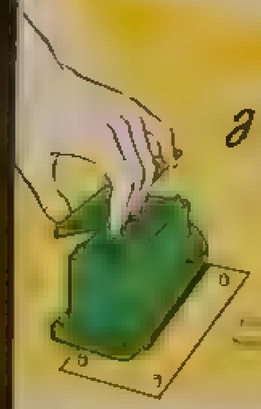
Deliver the Goods



International Harvester
Metro Truck - - No. 2753
with Spin-torque motor

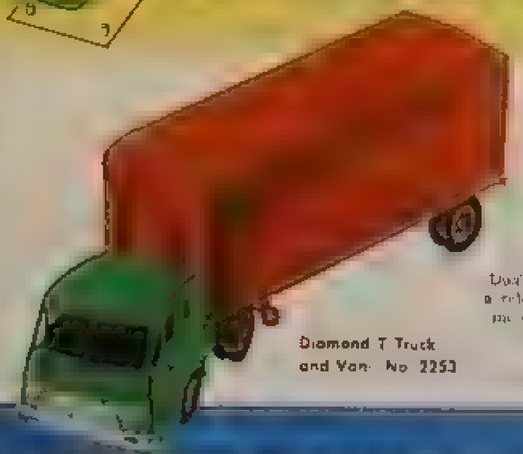
LOADS of Appeal in these New 1953 Model Trucks

a Diamond in Kiddie Pleasure



Diamond T dump
Truck No. 2153

Get Toy Sales Really Rolling



Diamond T Truck
and Van No. 2253

International Harvester
Pickup Truck No. 853

Pickup for Toy Sales

Get a Load of This

International Harvester
Dump Truck No. 1053

International Harvester
Stake Mode Truck No. 953

Toy Traffic Stopper

For the Long Haul

International Harvester
Truck and Van No. 1153

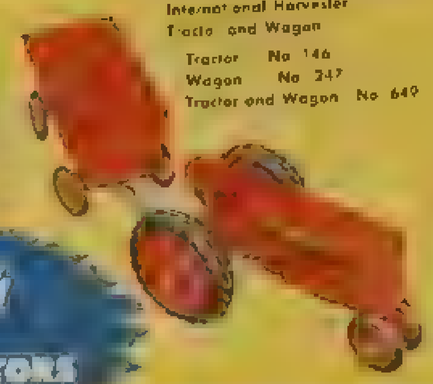
PRECISION CRAFTED with Exceptional Detail — and Durability!

TRUMINIATURES

Loads of Pulling Power

International Harvester Tractor and Wagon

Tractor No 146
Wagon No 247
Tractor and Wagon No 649



Get Toy Sales on the Move with TRU-MINIATURE TRACTORS

Powerful Appeal for Playtime Engineers

International Harvester Crawler Tractor No 548

Here's Real Sales Power

Allis Chalmers Crawler Tractor with Bulldozer Blade No 1551

Allis-Chalmers Tractor and Wagon

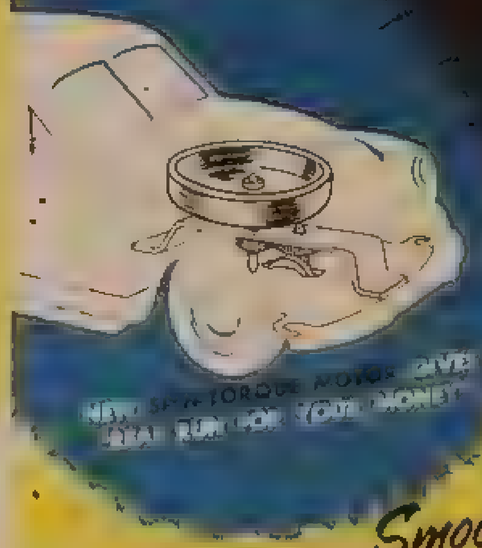
Tractor No 1351
Wagon - No 1451
Tractor and Wagon - No 1651

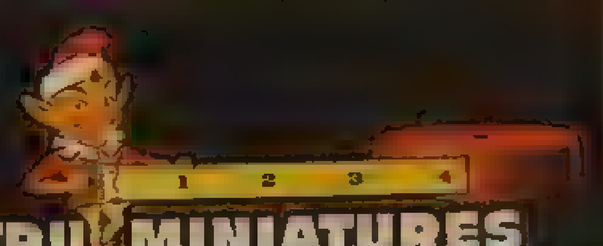
For Sandbox Farmers

YEAR-ROUND BEST SELLERS

Don't Rust in the Sandbox — Rubber Tires Protect Floors!

TRU-MINIATURES





New TRU-MINIATURE HIGH SPEED SPIN-TORQUE MOTOR ... Guarantees ... to ... balance ... steel flywheel ... are PRECISION-... cast for greater speed and longer life ... No wearing ... no springs to break ... This motor is a TRU-MINIATURE exclusive

4-door Plymouth Sedan No 1853

Smooth Sailing

For only going to ... 1953 models ... the new truly balanced Spin-Torque motor. Silver cut-pass ... and head ... Made from approved ... Looks ... the real car ... New ... Plymouth ...

Plymouth Suburban — No. 1253

Sales Climber

Plym... of more room ... Station Wagon features Spin-Torque motor. Rear seat folds down for ... cargo space. Rear door opens ... Includes ... chrome plated bumpers and grille. Spare tires. Size ... 3¾ ... Assembled

Airflyte Special

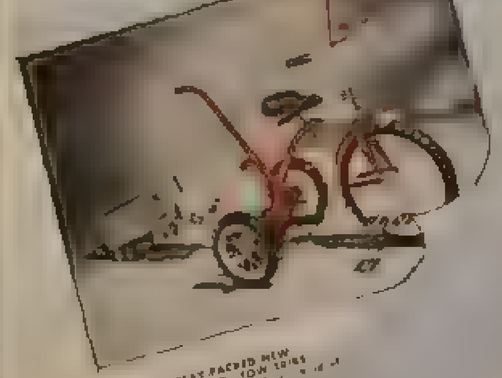
Nash Sedan No 2053

There's safe ... ure ... ing in the new 1953 Nash THE MINIATURE with Silver Safety ... Gives ... ated ... window ... Designed ... Rides ... High Speed Spin-Torque motor with ... wheels ... Rear ... required ... and ... Complete 1953 Nash ... Smooth ... proved factor ... ble ... 20th ... Size ... 6½ ... long ... wide ... high

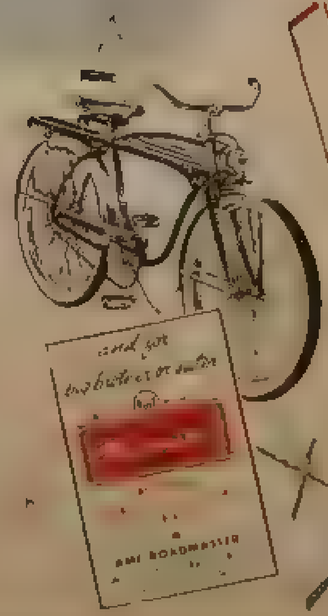
PRODUCT MINIATURE COMPANY, INC.
2360 SOUTH 84TH STREET MILWAUKEE 14, WISCONSIN

this christmas

do a land-office lay-away



job with



AMF Junior

AMF BMC

What a wonderful array of dreams on wheels! The best in the most wanted features the greatest values ever!

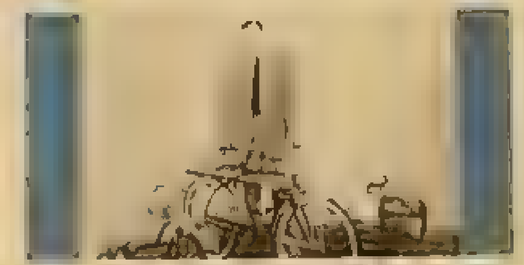
There are over fifty JUNIOR and BMC models from pedal bikes and trikes to trucks cars automobiles and tow wagons for boys and girls and sets for every child from 2 to 8.

Display your JUNIOR and BMC lines early Talk Lay Away to your customers now and start your Christmas profits rolling!

SEE NEXT PAGE

Wheel Goods News

AMF SETS PACE IN WHEEL GOODS FIELD

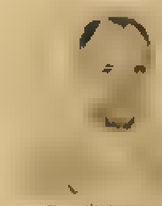


Addition of BMC Latest Link In Giant AMF Wheel Goods Operation

BMC, JUNIOR To Combine Promotion Efforts

Christmas Promotion Kit Offers Combination Fact, Lay-Away Tags

Chicago Toy Dealer Cites Merger Advantages



JUNIOR & BMC Sales Heads Map New Plans

TURN PAGE

FOR NEW Junior BMC MODELS

BUDDY 'L'

AMERICA'S FINEST PLAYTHINGS

STEEL TOYS

Buddy 'L' trucks are real trucks, made to stand up under the roughest treatment. The baked-on enamels and decals add realism to their already authentic designs.

Since Father was a Boy...

BUDDY "L" TOYS

200 FIFTH AVE. • NEW YORK 10, N. Y.

HENRY KATZ
ROOM 540
200 FIFTH AVENUE
NEW YORK 10 N Y

for generations . . . THE WORLD'S STANDARD FOR TOY PIANOS

Ely

One of many
SPINET
TABLE MODELS

Mello-Tone
Chime
PIANOS

One of many
TABLE
MODELS

Ely

Eye-Ease WASHABLE
CHALK BOARDS

One of many
CHALK
BOARDS

One of many
WALL
CHALK BOARDS

This year as in past years, Ely forges ahead with leading designs and outstanding workmanship for better "EYE APPEAL" and "EAR APPEAL" in our exclusive Mello-Tone Chime Pianos

Now, Ely offers the same quality and craftsmanship in a complete new line of EYE EASE washable Chalkboards

One of many
FLOOR
MODELS

Sole Sales Representatives
HENRY KATZ
INCORPORATED
ROOM 540
200 FIFTH AVENUE
NEW YORK 10, N. Y.

MADE IN U.S.A. BY
THE O. J. Ely Manufacturing Company
GIRARD, ERIE COUNTY, PENNA.

Demand for Pull Toys is Greater than Ever!

FISHER PRICE TOYS

TIMMY TURTLE

SNOOPY SNIFFER

MUSICAL DUCK

TEDDY BEAR ZOO

LOOKY CHUG-CHUG

. . . Order Now and Feature in Your Store!

FISHER PRICE TOYS

WINKY-BLINKY FIRE TRUCK

Fire truck door rolls up and down and ladder turns from side to side. Bell rings as truck moves. Long cord for pulling. Mfr's pack 1 dozen, wt. 9 lbs. Size of case 5" x 10" x 10". South and West.

QUACKY FAMILY

Mama duck quacks and baby duck hugs wagon along behind. All have wheels. Long cord for pulling. Mfr's pack 1 dozen, wt. 2 lbs. Size of case 6" x 9" x 10". South and West.

FARM TRUCK

Driver swings as truck goes along. Horn, truck, chicken, sheep bell, kids, vegetable crate and 2 pigs ride on truck. Long cord for pulling. Mfr's pack 1 dozen, wt. 5 lbs. Size of case 8" x 10" x 10". South and West.

MICKEY MOUSE CHOO-CHOO

Mickey, the busy engineer, swings the bell as engine runs. Long cord for pulling. Mfr's pack 1 doz. wt. 5 lbs. Size of case 8½" x 10" x 10". South and West.

HAPPY HELICOPTER

Motor blades whirl around with buzz-buzz sound as long Mfr's pack 1 doz. wt. 5 lbs. Size of case 8½" x 10" x 10". South and West.

MERRY MUTT

Shakes mouth up and down as long handle runs on outboard. Chime sounds. Long Mfr's pack 1 dozen, wt. 3 lbs. Size of case 8½" x 10" x 10". South and West.

50th Anniversary Campbell Kids Promotion
TV & PR Ad Publicity

No. 650 JOLLY JUMPER

[illegible]

No. 645 PUFFY ENGINE

[illegible]

No. 640 WOOFY WAGGLER

[illegible]

No. 648 BUZZY BEE

[illegible]

No. 646 MICKEY MOUSE PUDDLE JUMPER

[illegible]

FISHER-PRICE TOYS, INC.

East Aurora, N. Y.

New York Office, Suite [illegible] 5th Ave. Bldg.

Nationally Advertised **IN LEADING CONSUMER MAGAZINES!**

Tie-in with the *year 'round* promotion of FISHER-PRICE TOYS.

Ask for Merchandising Kit including

- DISPLAY SIGNS — Beautiful full-color 10" x 14" card with easel.
- NEWSPAPER MATS — One-column mats available for all toys, make up your own store ad.
- INSERT FOLDERS — RADIO and TV MATERIAL, [illegible]

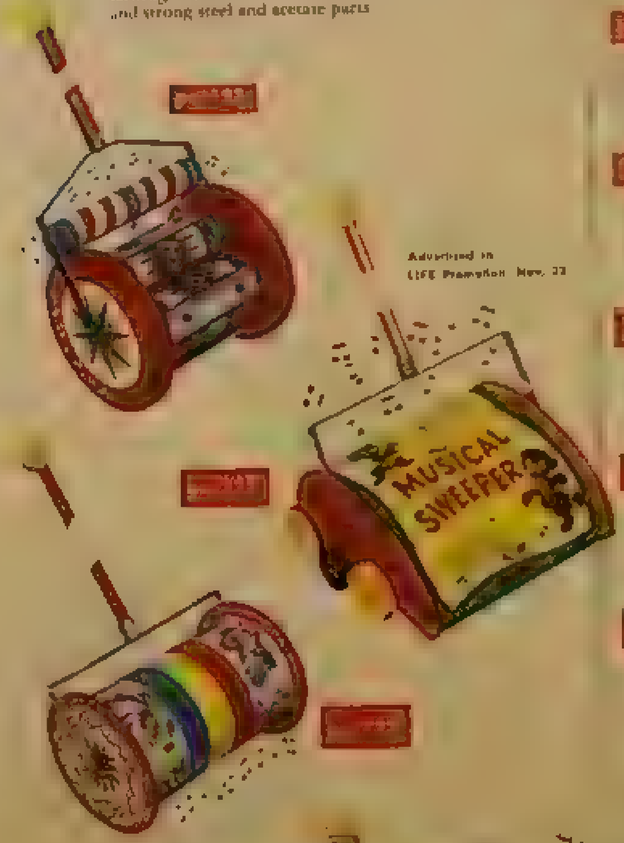
FAMOUS FOR FUN!

Fascinating, whimsical toys that play *with* the child and are FUN!

Satisfy interest in musical and animal sounds, provide outlet for dramatic play

Lasting wood construction with full-color lithographs and strong steel and acetate parts

FISHER PRICE TOYS



Advertised in LIFE Promotion Nov. 22

No. 655 ROLLER CHIME

[illegible]

No. 675 MUSICAL SWEEPER

[illegible]

No. 645 MUSICAL PUSH CHIME

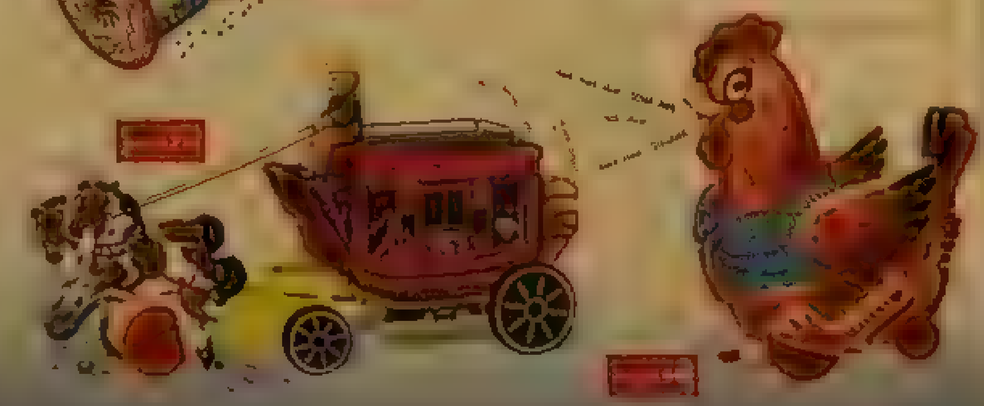
Gaily decorated metal roller chime, [illegible] handle 8½" wide, each in box. Mfrs. pack. 1 dozen, wt. 19 lbs. $11.25 east, $11.59 south and west.

No. 675 GOLD STAR STAGECOACH

Colorful horses, realistic leatherette trimmed driver seat and wide-to-ride-in coach body and coach have hooked [illegible] (5½") long, each in box. Mfrs. pack 1 dozen, wt. 35 lbs. $4.00 east, $3.25 south and west.

No. [illegible] LAZY DAISY . . . the Red Hen

Rear [illegible] moves up and down, [illegible] each in box. Mfrs. pack 1 doz., wt. [illegible] $2.99 east, $2.69 south and west.



NEW Fisher-Price WOOD EASTER CARTS

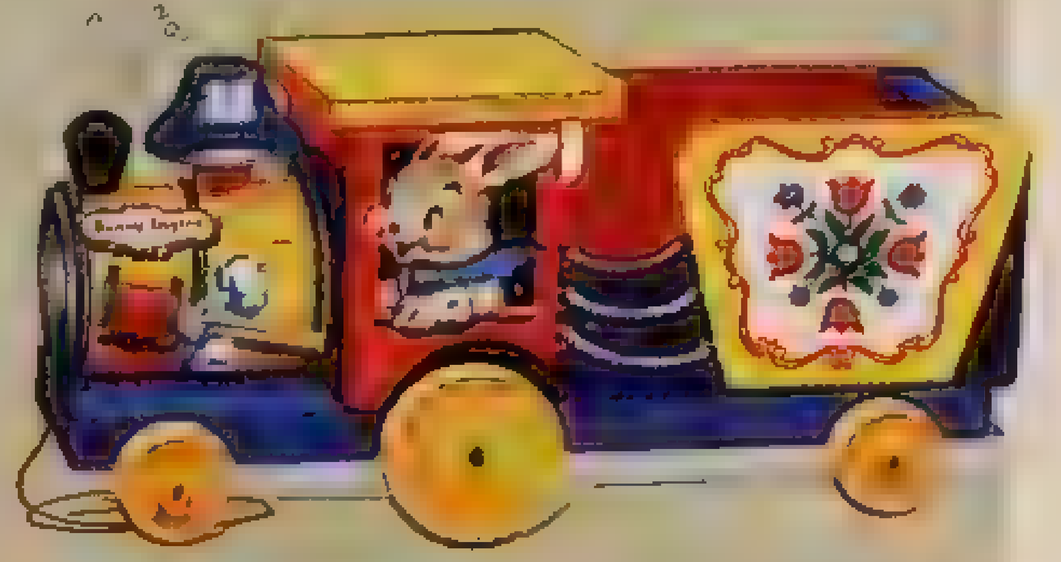
Proven play-value and quality construction . . . New eye-catching design

No. 400 Chick Cart 9¼" *long, $.59**

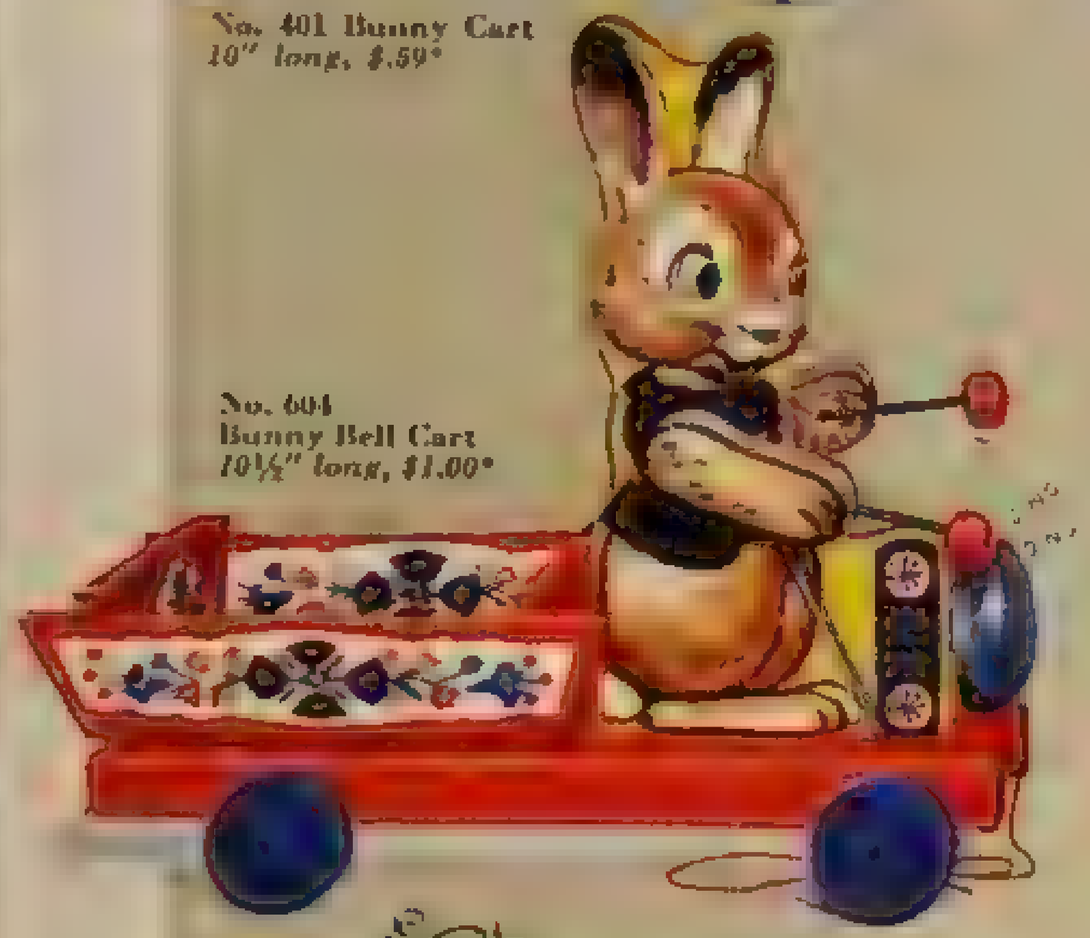
When Easter (April 18th) has come and gone, these colorful new FISHER-PRICE Easter Toys will still be providing hours of happy play-fun. And every one can mean additional sales in candies or novelties. Pre-package them or display close to tie-in Easter merchandise.

Here are new actions, new designs . . . with quality FISHER-PRICE wood construction. Write for your copy of complete 1954 winter, spring and Easter Catalog, today.

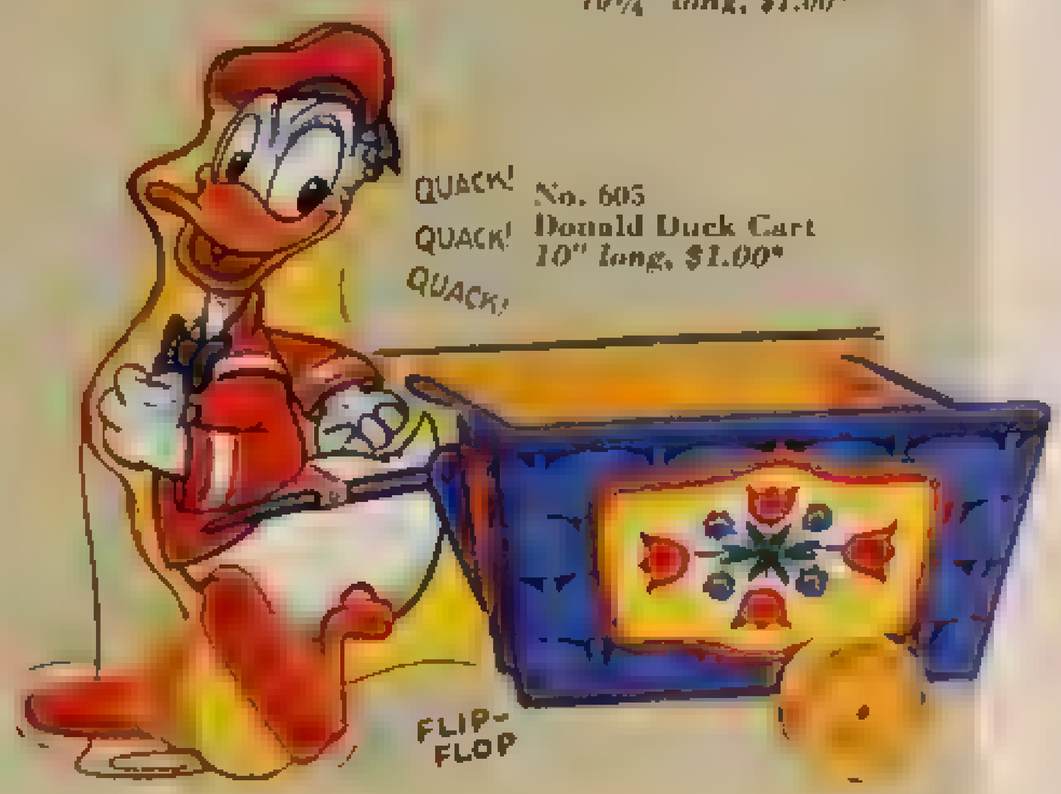
No. 401 Bunny Cart
*10" long, $.59**



No. 703 Bunny Engine
*10¼" long, $1.00**



No. 604
Bunny Bell Cart
*10½" long, $1.00**



No. 605
Donald Duck Cart
*10" long, $1.00**

**The Famous-for-Fun Toys *nationally advertised* for year 'round sales.*

Suggested retail, slightly higher West and Southwest

FISHER PRICE TOYS

MAIN OFFICE AND FACTORY: East Aurora, N. Y. New York Office: Suite 417, 200 Fifth Ave. Bldg.

START SPRING SALES "HOPPING" with . . .

NEW "JOLLY JUMPER"!

No. 450 Jolly Jumper . . . *the most amazing toy frog since frogs started jumping! "Grump-grump" he goes as googly eyes roll back and forth. Jumping action as rear feet "flip-flop". Solid wood construction, 6" long, $.75**

"Jolly Jumper" is the newest example of the basic spring sales appeal always so typical of FISHER-PRICE TOYS. The famous-for-fun designs . . . the durability of lasting wood construction . . . and the physical and mental developing qualities, mean more and more stores are gaining year 'round sales by stocking FISHER-PRICE. It's the basic, staple line for your toy counters for 1-5 year olds!
Here are other colorful spring-sellers, all *nationally advertised* . . .

No. 799 Quacky Family Waddle - waddle, "Quack-quack". *13" long, $1.25**

No. 795 Musical Duck "Flip-flop . . . flip-flop". *14¼" long, $3.00**

No. 225 Musical Sweeper *8½" wide, $2.00**

No. 150 Timmy Turtle *11½" long, $2.50**

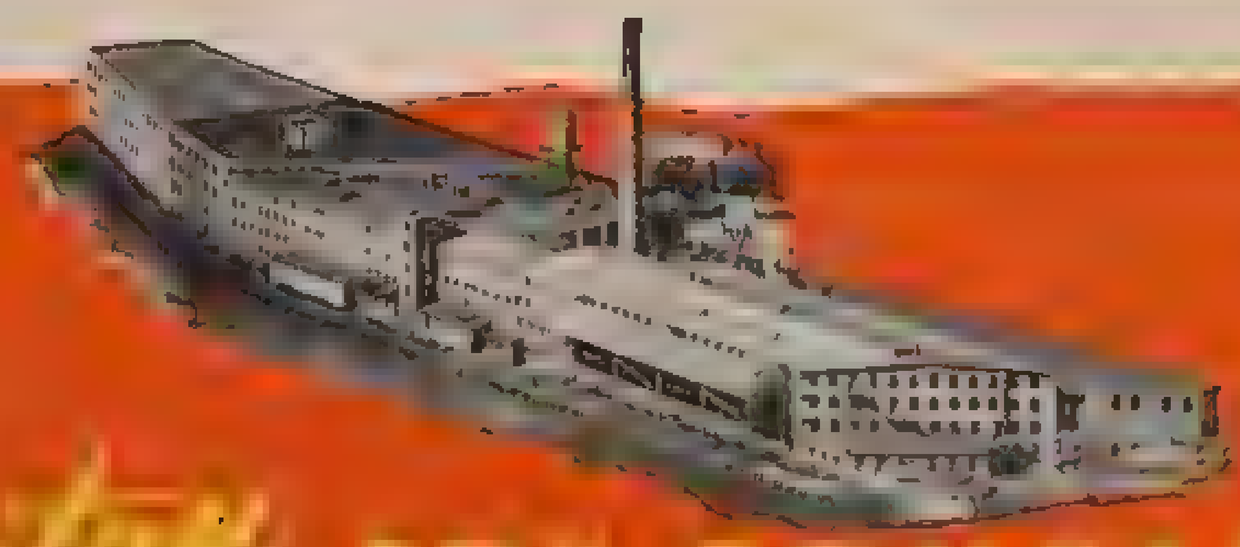
OTHER SPRING FAVORITES

- No. 325 Buzzy Bee
- No. 310 Mickey Mouse Puddle Jumper
- No. 498 Happy Helicopter
- No. 180 Snoopy Sniffer
- No. 220 Looky Chug Chug
- No. 123 Roller Chime

. . . and Brand New Easter Toys

FISHER PRICE TOYS

1879 1954



Garton TOY COMPANY

75th ANNIVERSARY

IT'S LIFE POWERED

THE Garton SPACE CRUISER

The handsome, exclusive *Space Cruiser* is typical of the many pace-setting wheel goods innovations originated by Garton.

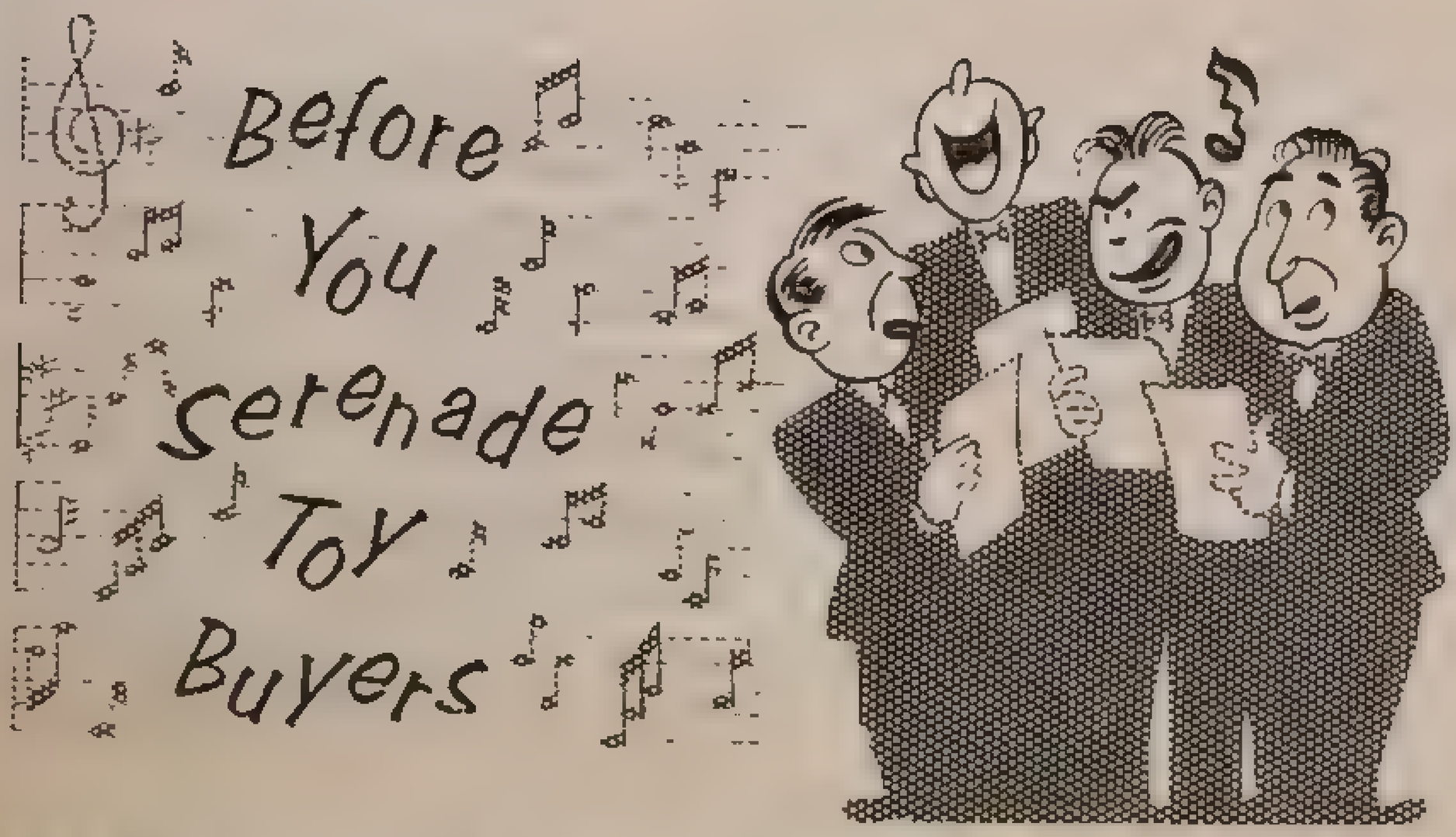
AND IN ADDITION . . .

AUTOMOBILES
SIDEWALK BIKES
WAGONS
VELOCIPEDES
SCOOTERS
SLEDS
PEDAL BIKES
BABY WALKERS
CROQUET SETS

"SELL THE LINE THAT SELLS ITSELF!"

Garton TOY COMPANY
SHEBOYGAN, WISCONSIN

1879



MAKE SURE YOU'VE GOT AN AUDIENCE

Circulation figur[illegible]
[illegible]med in a more [illegible]
[illegible]

[illegible]

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[illegible]

[illegible]

CHICAGO • NEW YORK • LOS ANGELES

Gene Autry -cowboy star of television movies and syndicated comic strips

Gene Autry WESTERN HAT

— the GENE AUTRY western hat — known to millions of children from coast to coast! Authentically fashioned of fine quality, 100% wool felt, with reeded sweat band and adjustable chin cord The genuine GENE AUTRY shaping is locked into position defies crumbling snaps back into position even under heavy playtime punishment This is the hat you'll just show to sell — a real volume-sales maker!

Available in Four Genuine Western Colors

GRAND CANYON RED
SAGEBRUSH GREEN
SADDLEHORN BLACK
PONY BROWN

SUGGESTED RETAIL

OR IN PURE WHITE, $2.49 suggested retail

means sure-fire sales when you feature the

SEE YOUR LOCAL JOBBER
for this number

Or

SEND POSTAGE-FREE POSTCARD

Today

FOR SAMPLE ORDER
and address of your local jobber

O.K. — send us a sample order of the following:

____doz. FIBER WESTERN HAT
____doz. GENE AUTRY WESTERN HAT
} Name and address of local jobber

NAME

ADDRESS

CITY Zone State

benay-albee

65 SOUTH 11th STREET
BROOKLYN N Y.

California office
Irving Petok 310 East 4th St, Los Angeles Calif

[redacted]

* TOY FAIR SHOWING:
HOTEL NEW YORKER, ROOM 1146

Rain Hat

[redacted]

Colors are dyed in . . . not painted on! Won't fade or buckle in sun.

Water repellent . . . stands up better in any weather!

Ventilated fiber weave . . helps control perspiration of children at play!

Flexible . . . shapes easily into many favorite styles!

A sell-out sensation in '53 — has built up an even greater demand for '54! Made of special miracle fiber that looks better, wears better, SELLS better! Available in White with black trim or red trim; red with white trim; yellow with black trim, and black with white trim. Complete with adjustable-slide chin cord.

79¢

SUGGESTED RETAIL

SEE YOUR LOCAL JOBBER
for this number
Or
SEND POSTAGE-FREE POSTCARD
Today
FOR SAMPLE ORDER
and address of your local jobber

benay-albee

65 SOUTH 11th STREET
BROOKLYN, N. Y.
California office:
Irving Petok 310 East 4th St., Los Angeles, Calif

Postage Will Be Paid by Addressee

No Postage Stamp Necessary If Mailed in the [redacted]

BUSINESS REPLY CARD
First Class Permit No. 22366, Sec. 34.9, P.L.&R., Brooklyn, N.Y.

BENAY-ALBEE NOVELTY CO.
65 South 11th Street
Brooklyn, N. Y

another

benay-Albee

exclusive

The Autographed

Gene Autry

WESTERN HAT

$1.98

SUGGESTED RETAIL

Gene Autry cowboy star of television movies and syndicated comic strips

Going great guns — and the best is yet to come! The **GENE AUTRY** western hat . . . known to millions of children from coast to coast! Authentically fashioned of fine quality, 100% wool felt, with reeded sweat band and adjustable chin cord The genuine GENE AUTRY shaping is locked into position . . . defies crumbling . . snaps back into position even under heavy playtime punishment This is the hat that offers you a volume as big as your stock — don't be caught short!

Available in Four Genuine Western Colors

PONY BROWN
SAGEBRUSH GREEN
SADDLEHORN BLACK
GRAND CANYON RED

Please Rush a sample order of the following.

_____ doz. THE WESTERNER

_____ doz. GENE AUTRY WESTERN HAT

☐ Name and address of local jobber ☐ Information about your new display rack

NAME

ADDRESS

CITY Zone State

SEE YOUR LOCAL JOBBER
for this number
Or
SEND POSTAGE-FREE POSTCARD
Today
FOR SAMPLE ORDER
and address of your local jobber

benay-Albee

65 SOUTH 11th STREET
BROOKLYN, N Y

CALIFORNIA OFFICE 310 East 4th St Los Angeles Calif

benay-albee

presents

EXCLUSIVE WESTERN 'BULLDOG STYLING — FIRST TIME AT THIS LOW PRICE!

"THE Western Cowboy"

$1.98

SUGGESTED RETAIL

This is the sensational "working cowboy" hat . the hat that means **REAL WESTERN** to millions and millions of fans! Made with extra-wide brim and Bulldog-style crown . . . details that spell **BIG SALES** and **BIG PROFITS** at this new LOW price! Handsomely finished with contrasting trim and adjustable chin cord.

Available in Four Genuine Western Colors

SADDLEHORN BLACK
PONY BROWN
GRAND CANYON RED
SAGEBRUSH GREEN

SEE YOUR LOCAL JOBBER
for this number

Or

SEND POSTAGE-FREE POSTCARD

Today

FOR SAMPLE ORDER
and address of your local jobber

benay-albee

65 SOUTH 11th STREET
BROOKLYN, N Y

CALIFORNIA OFFICE 310 East 4th St, Los Angeles, Calif

Postage Will Be Paid by Addressee

No Postage Stamp Necessary if Mailed in the United States

BUSINESS REPLY CARD

First Class Permit No 22366 Sec 349 P L & R New York N Y

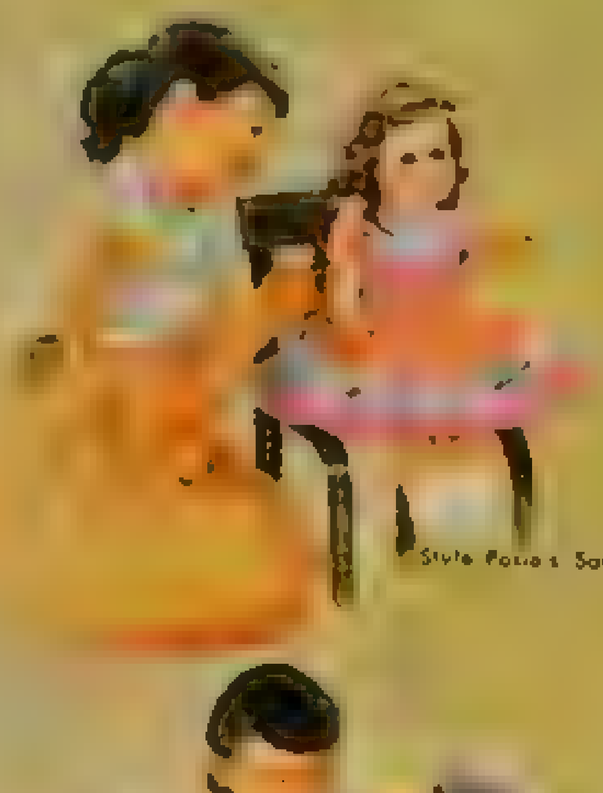
BENAY-ALBEE NOVELTY CO
65 South 11th Street
Brooklyn, N. Y.

IDEAL'S POSIE—*The only doll that can do all this...and dozens more!*

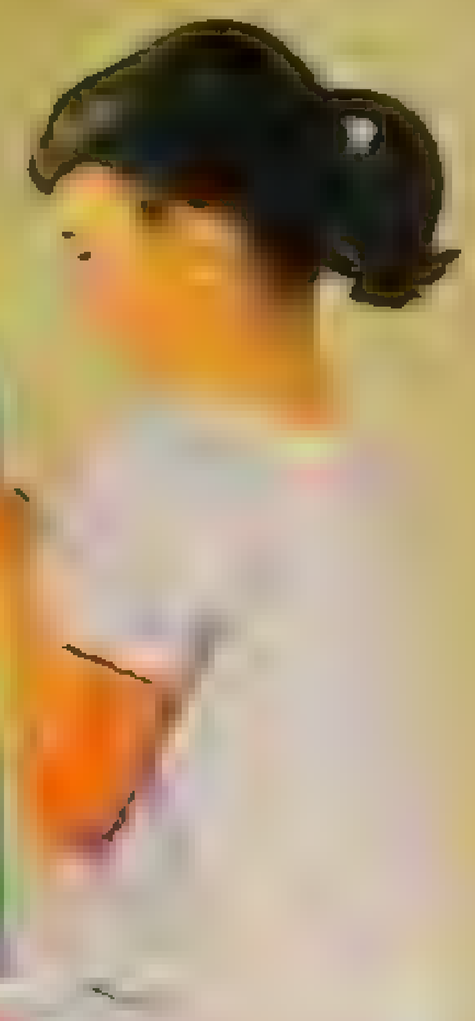
Set Posie in many true to life positions

Posie walks with you

Did you ever see a more lifelike baby pose?



Style Posie's Satan hair



Pose knees to pray with you

Posie closes her eyes and goes to sleep

Pose sits like a real child with knees bent

How natural ... How lovable is Posie

IDEAL'S

LIFE-LIKE

THE WALKING DOLL OF A HUNDRED LIFE-LIKE POSES

WITH

IDEAL'S **NEW**

Betsy Wetsy

- Blows her Nose
- Sheds Tears
- Sleeps
- Drinks ... and
- Wets

She was a sensational hit as America's drinking and wetting doll. Now, with her added features, Betsy Wetsy is the nearest thing to a real live baby ever made.

NATIONALLY ADVERTISED IN THIS WEEK & PARADE IN FULL COLOR

IT'S A WONDERFUL TOY IT'S IDEAL

IDEAL TOY CORPORATION 200 FIFTH AVE NEW YORK 10, N Y CHICAGO DALLAS LOS ANGELES

PROMOTE POOLS FOR MORE PROFITS

Consumers Want Larger Sizes

It's easier to trade consumers up to these larger sizes at these lower prices. All pools with three independently inflated rings and metal valves - side-wall hose connector drain and dry duty - boxed with maintenance kit. All protested.

SUPER-GIANT 108" ROUND POOL

49.50

GIANT 90" POOL

29.95

HUGE 72" ROUND POOL

17.95

60" SQUARE POOL

12.95

U. S. RUBBER AND PLASTICS CORP. PLAY PLASTICS DIVISION, STIRLING, N. J. NEW YORK SALES ROOMS 1540 Fifth Ave.

NEW Exclusive EXTRA!

HOME INFLATING DEVICE

Ends Huffing, Puffing, Pumping!

FREE WITH ALL [illegible] POOLS

NEW! QUALITY POOLS PRICED FOR VOLUME

60	ROUND POOL	4.95
90	ROUND POOL	7.95

All pools made of virgin plastic
All rings inflate individually
All have metal valves with protective sleeves
All individually boxed with maintenance kit
All protested—All unconditionally guaranteed

NO.	DESCRIPTION	RETAIL PRICE	SIZE	NO. OF RINGS	RINGS INFLATED	VALVES	WEIGHT
4	Round Pool	4.95	60" diameter	3	3	Metal	10 lbs.
7	Square Pool	4.95	60" square	3	3	Metal	11 lbs.
5	Super-Giant 108" Round Pool	9.95	108" x 42" x 20"	[illegible]	[illegible]	3 Metal	44 lbs.
6	90" Round Pool	7.95	90" x 33" x 20"	4	4	3 Metal	26 lbs.
8	72" Round Pool	5.95	72" x 33" x 20"	4	4	3 Metal	20 lbs.
9	90" Round Pool	10.95	90" x 33" x 20"	4	4	3 Metal	28 lbs.
10	8' Round Pool	49	96" x 33" x 20"	4	4	3 Metal	43 lbs.

All prices suggested retail. Dealer imprinted boxes for larger sizes. No prices suggested on [illegible]

1954 Million-Air INFLATABLE FUN SPLASHERS

A. NEW! POKEY THE TURTLE — 1.50

B. NEW! HAPPY THE HIPPO — 2.50

C. SPACE FLYER — 3.00

D. NEW SURF MAT — 7.95

E. STREAMLINER RAFTS
Senior and Junior — 5.00 / 3.00

F. SWIM RINGS
Three Sizes. Assorted Colors

[illegible]	1.00
3330	1.50
3330	1.00

G. PLAY BALLS
Three Sizes. Multicolor & Pennie

[illegible]	.75
[illegible]	1.00
2234	2.00

SPACE FLYER

NEW SELF SELLING MULTI COLOR BOXES

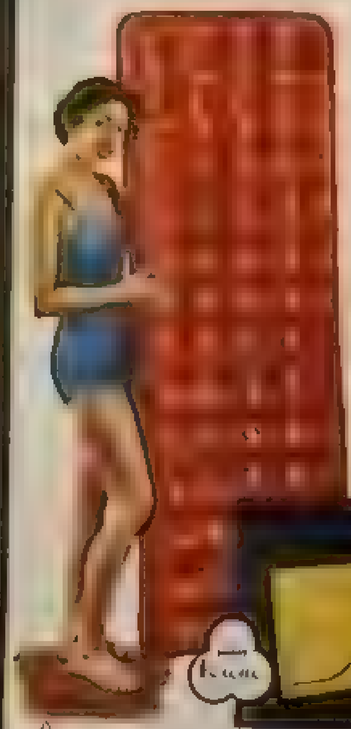
SALES PROMOTION AIDS

NATIONAL ADVERTISING AND PUBLICITY

1954
Million-Air Inflatables

THE VIKING BOAT
7.00.

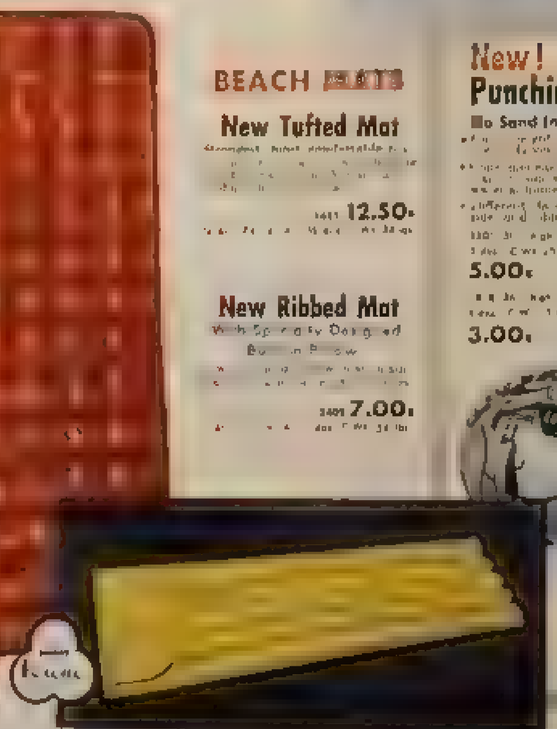
DELUXE COMMODORE BOAT
20.00.



BEACH MATS

New Tufted Mat
was 12.50.

New Ribbed Mat
With Specially Designed Bottom Pillow
was 7.00.



New!
Punching Toy
No Sand In Bottom
5.00.
3.00.

New
Lone Ranger's Horse "Silver"
was 2.00.

PLASTIC MAINTENANCE KIT
was .30.

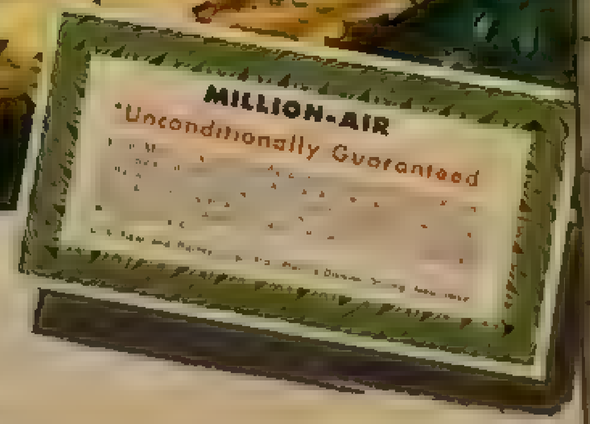
For Your Nearest Sales Representative, Write To
U. S. FIBER AND PLASTICS CORP., PLAY PLASTICS DIVISION, ST. RUNG, N. J.

1954
Million-Air Inflatables

Give You MORE TO SELL Than Any Other Quality Line!

Every Pool Gives You At Least One Major Plus Over Any Other Line

- Heavier Gauges You Can Feel
- Larger Sizes You Can See
- More Features You Can Show
- Lowest Prices for Size and Quality
- Fewest Returns, Less Than 1/2 of 1%
  YOU KEEP YOUR PROFITS, END COSTLY RETURNS
- One Pool Source—All Styles, All Prices
  ROUND SQUARE OVAL POOLS
- Proved Best Self-Selling Boxes
- National Advertising, Publicity
- Unconditionally Guaranteed*



A Brand New Concept in Design
Created To Appeal To Ages 4 to 9

NEW SEASIDE 75" OVAL POOL

- Largest size ... pool ...
- ... Aluminum ... rigidity ...
- ... all-around ... safety ... play!

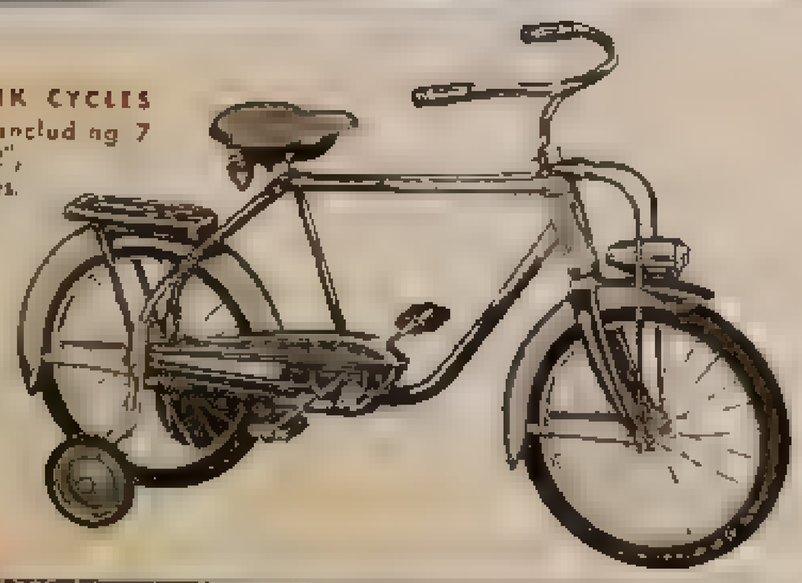
... 75 ... 9.95.

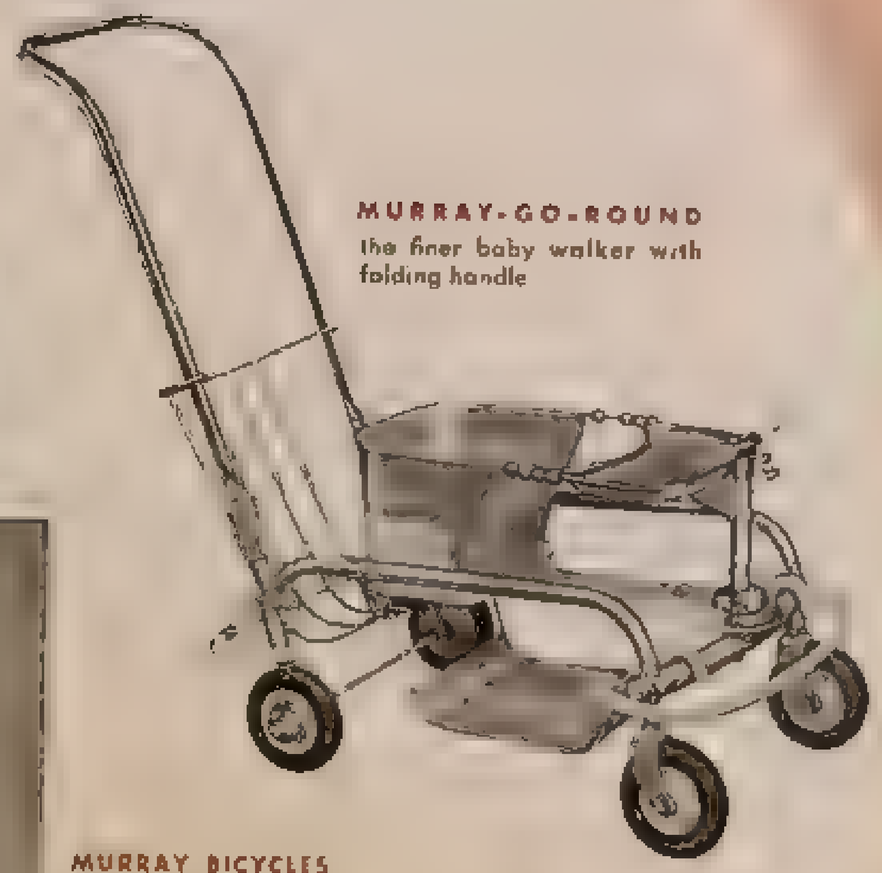
All Items with dash ... Patent Applied For ... Trade Mark Registered ... Most of Accessories ... Subject to Minor Changes

*Unconditionally Guaranteed Against Defects in Workmanship and Materials

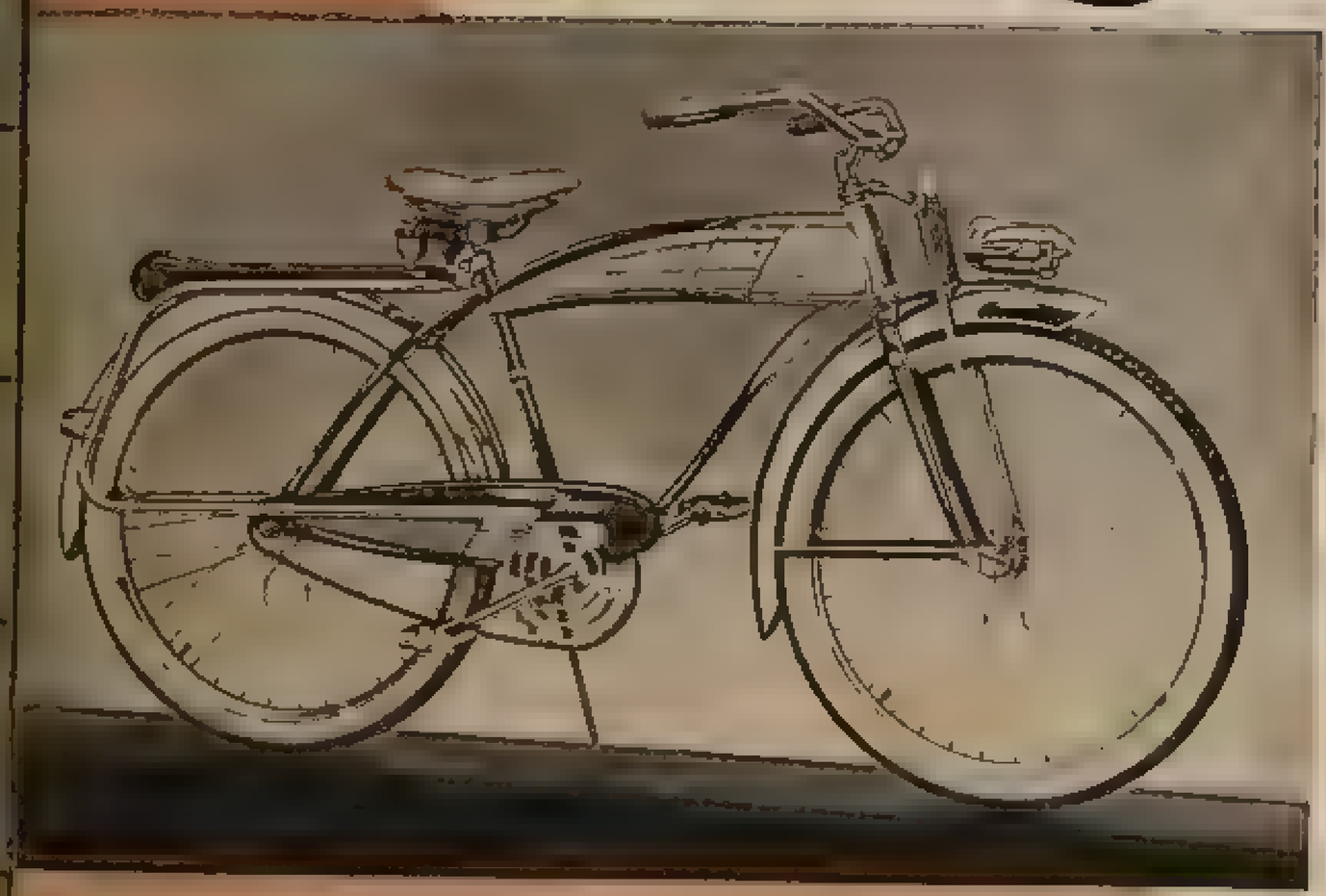
Sell More...Sell MURRAY!
...the most complete line of "wheels"

MURRAY PARK CYCLES
all new l'ne, includ ng 7 models, 10", 12", 14 and 16" sizes.

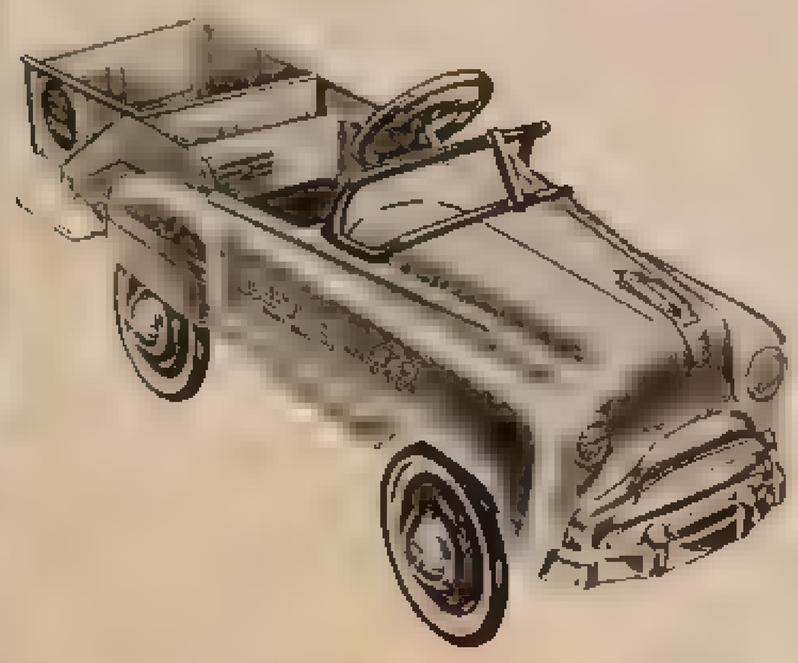


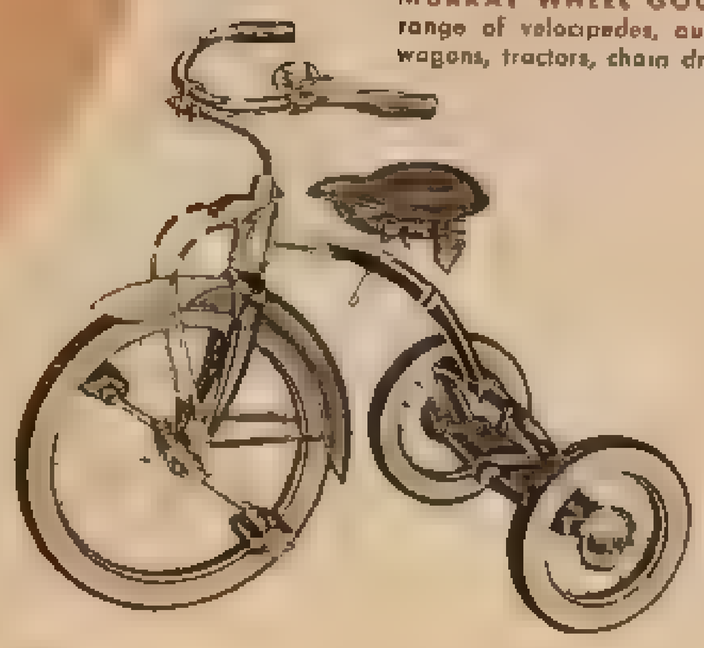


MURRAY-GO-ROUND
the finer baby walker with folding handle



MURRAY BICYCLES
new S ip Stream sty - ing, 18 models, sizes 16" through 26".





MURRAY WHEEL GOODS—includes a full range of velocipedes, autos, fire trucks, station wagons, tractors, chain drive tricycles.

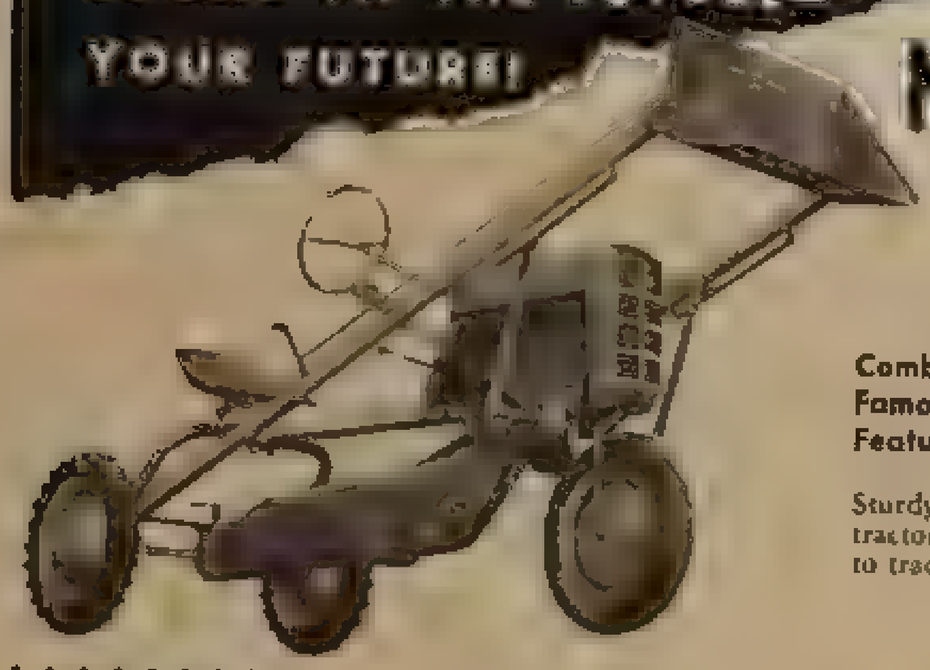
Start selling Murray with the famous Murray-Go-Round walker-stroller for babies. Continue on up through big bicycles for teen agers . . . Many models available in several price ranges . . . Superbly styled and built to Murray standards of quality that have been famous for over a quarter century . . . Nationally advertised in full color . . . Pep up your wheel goods profits by featuring MURRAY—truly America's *most complete* line.

M

RECOMMENDED BY PARENTS

THE MURRAY OHIO MFG. CO. • CLEVELAND 10, OHIO

THREE NEW ITEMS THAT MEAN GREATER WHEELED GOODS SALES THAN EVER BEFORE AS INLAND LOOKS TO THE FUTURE— YOUR FUTURE!

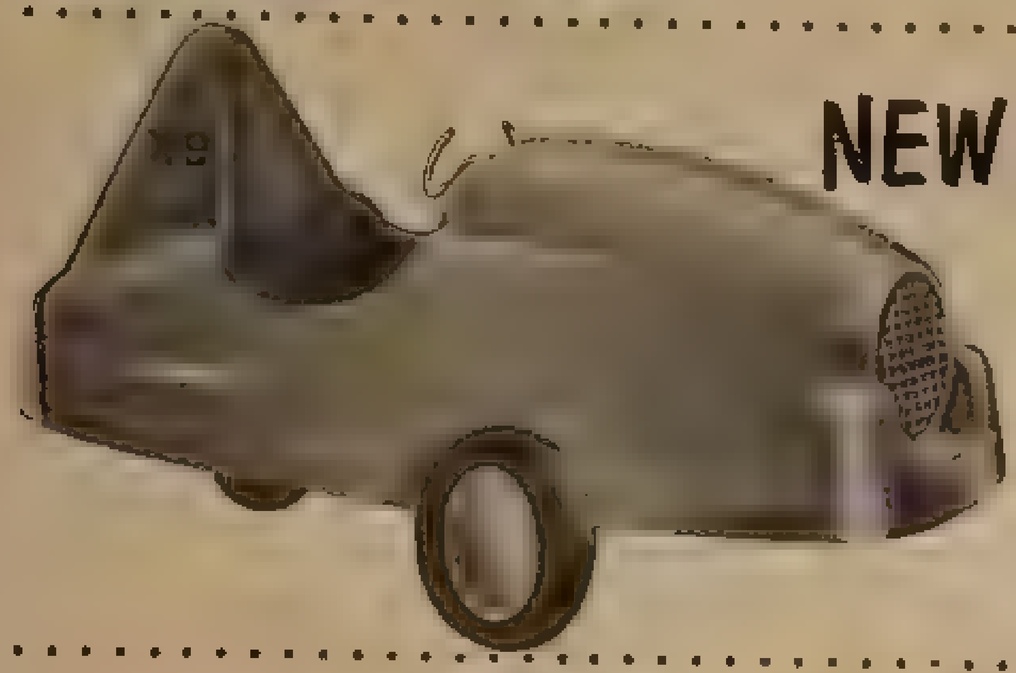


NEW! INLAND MODEL C525 PS POWER SHOVEL TRACTOR

Built for Play-Work !
For Children from 4 to 12 !

Combines the famous Inland Tractall Tractor with the Famous Inland Power Shovel. You Get the Selling Features of BOTH in ONE Complete Unit !

Sturdy steel tractor has four position play-gear shift, large tractor-type rear tires, front airplane strut. Power shovel-attached to tractor—is actually a power shovel, loader, grader—all in one



NEW! INLAND MODEL X9 SUPER JET

Built for Adventure !
For Children from 3 to 8 !

Length (overall) 55 in.; Height 25 in.; Width 25 in

Make the most of the "futuristic" era ! At a time when space ships, space men, rocket ships and jet planes have captured the imagination of the young, X9 Super-Jet is sure to be a sure-fire seller. Has reclining seat, front wheel chain drive, finger tip steering and one-piece fibre glass body. Fast — non-tipping. Ball bearings throughout.

NEW! INLAND SEMI-TRAILER TRUCK 54 TW 1

Built for Play - Load !
for Children from 3 to 6 !

Makes a little guy feel like a big guy. He can haul loads like a two-fisted trucker. Semi-trailer attaches to strut. A flick of the finger frees truck to drive away. Backing into semi-trailer automatically couples unit together again.

Representatives

EAST: SAM WEISMAN AND ASSOCIATES
200 - [illegible]

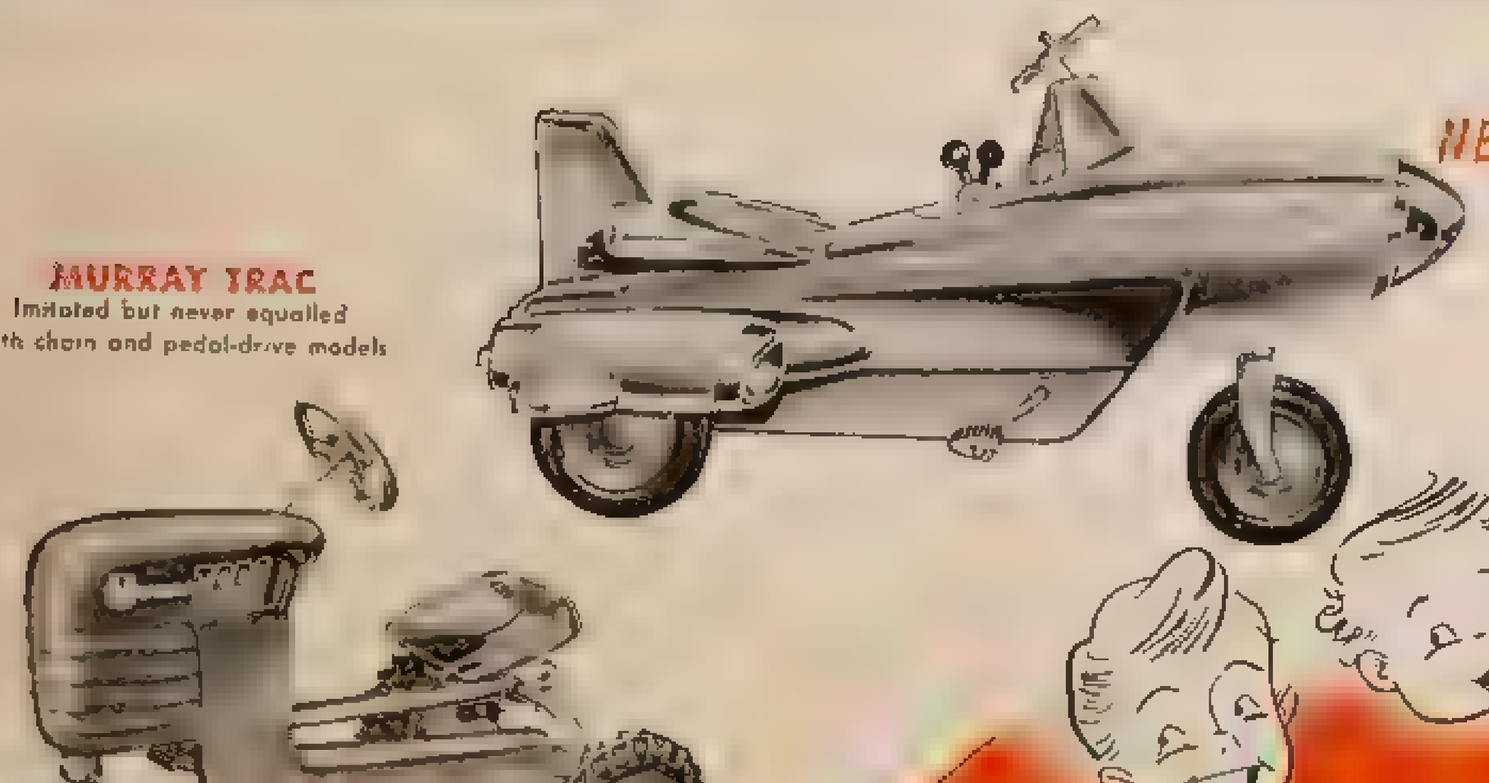
MIDWEST ROBT SLAVEN COMPANY
209 S State St, Chicago, Ill

[illegible]

SOUTHWEST: McDONALD & SHAW
Southland Hotel, Dallas, Texas

FOR FULL FACTS -- WRITE

INLAND MANUFACTURING CORPORATION
164 ELLICOTT ST., BUFFALO 3, N. Y.
America's Leading Manufacturer of Wheeled Goods

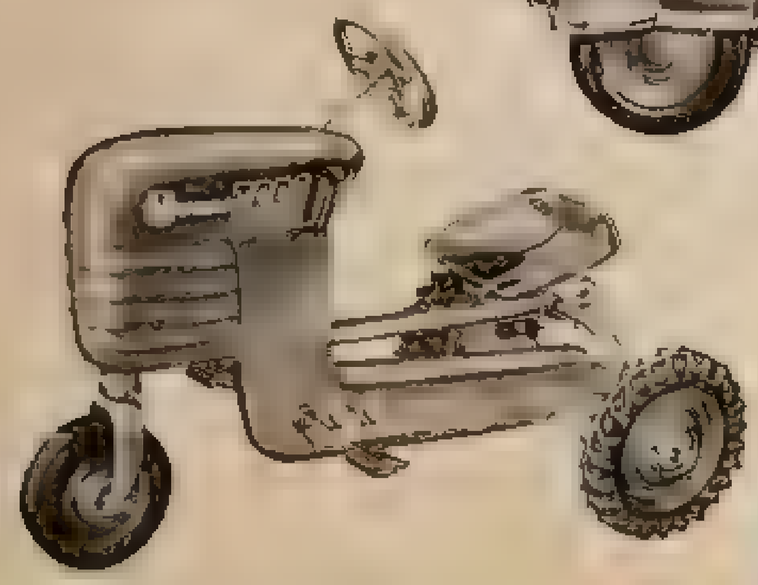


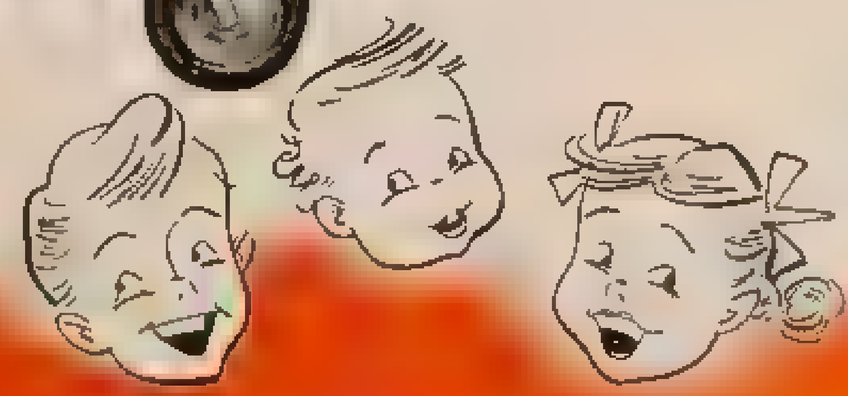
NEW SUPERSONIC JET

This sensational, new item is the sales leader of the year

MURRAY TRAC

Imitated but never equalled
Both chain and pedal-drive models





every child is a prospect
when you sell . . .

MURRAY

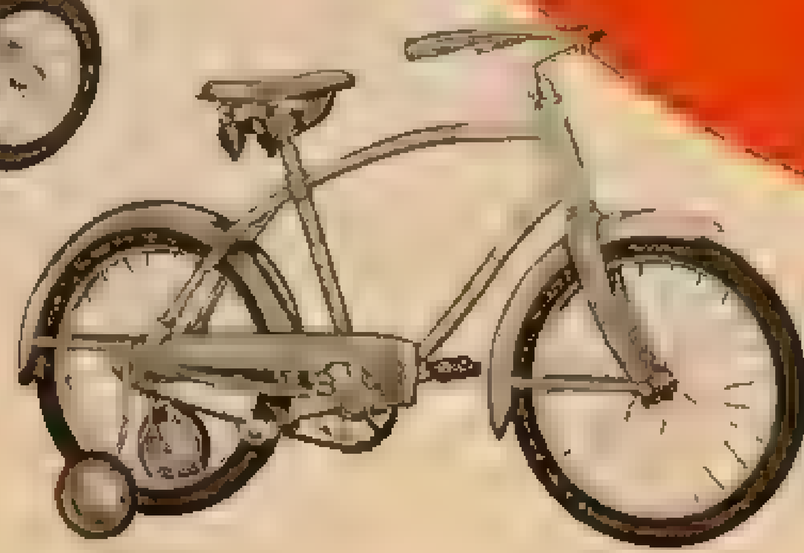
"WHEELS"

Your market is *unlimited* when you sell the Murray line. For it includes items for every age—tots to teenagers. Start selling the younger set Murray-Go-Round Baby Walkers. Next they graduate to Murray velocipedes, juvenile autos and wagons. When they reach the two-wheeler stage, they want Murray park cycles and bicycles . . . There is a wide range of sizes and models priced for every pocketbook . . . Feature this famous and *truly complete* line right now! Sell more in '54 . . . Sell Murray!

THE MURRAY OHIO MFG. CO.
CLEVELAND 10, OHIO

MURRAY BICYCLES—Four quality lines in the 26" size two each in 24" and 20".

MURRAY VELOCIPEDES
Seven different models, in many sizes, to meet all needs.



MURRAY PARK CYCLES
In models 10", 14", 16" and 20" sizes, several with coaster brakes

MURRAY-GO-ROUND
The finer baby walker with a folding handle

MURRAY TRAC
Imitated but never equaled
Both chain and pedal-drive models.

NEW SUPERSONIC JET
This sensational, new item is the season leader of the year

every child is a prospect when you sell . . .

MURRAY "WHEELS"

Your market is *unlimited* when you sell the Murray line. For it includes items for every age—tots to teenagers. Start selling the younger set Murray-Go-Round Baby Walkers. Next they graduate to Murray velocipedes, juvenile autos and wagons. When they reach the two-wheeler stage, they want Murray park cycles and bicycles . . . There is a wide range of sizes and models priced for every pocketbook . . . Feature this famous and *truly complete* line right now! Sell more in '54 . . . Sell Murray!

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CLEVELAND 10, OHIO

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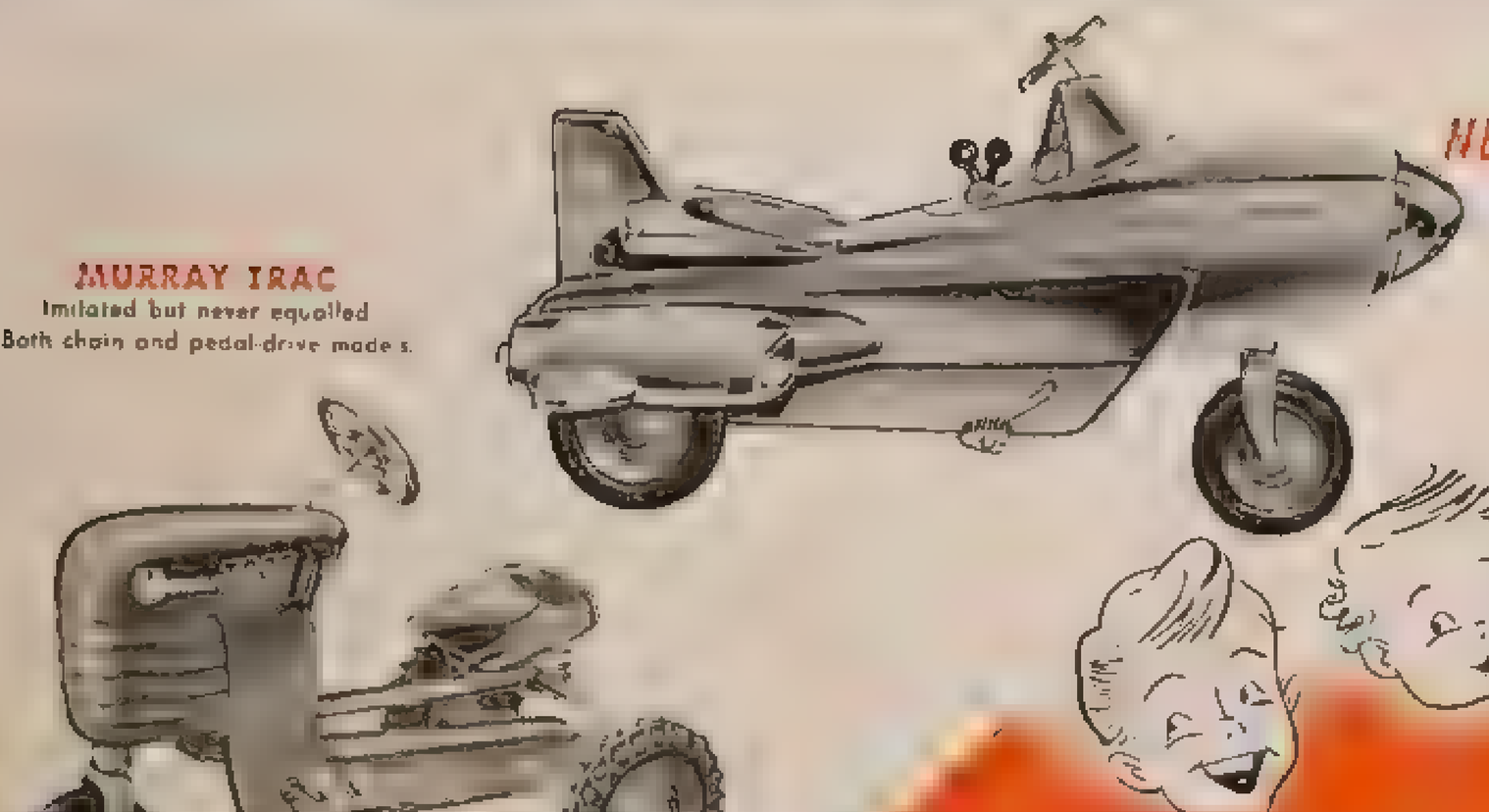
MURRAY VELOCIPEDES
Seven different models, in many sizes, to meet all needs.

MURRAY PARK CYCLES
Nine models 10", 14", 16" and 20" sizes, several with coaster brakes.

MURRAY-GO ROUND
The finer baby walker with a folding handle



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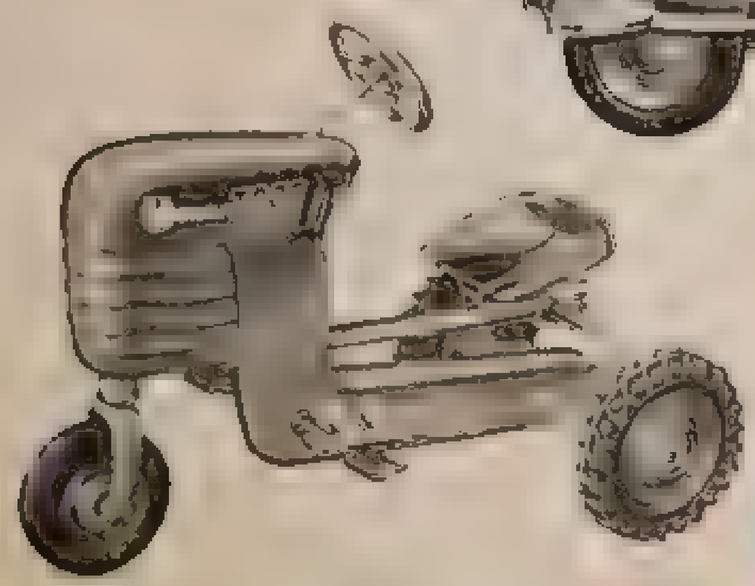
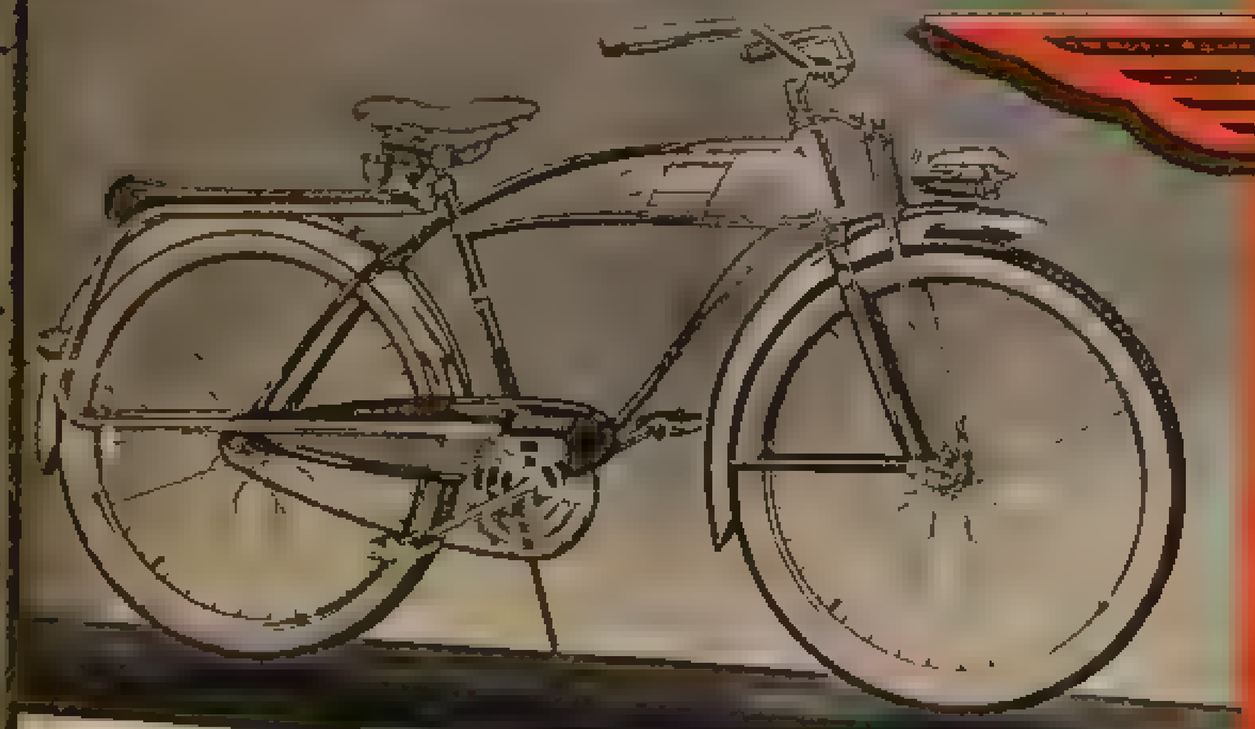


every child is a prospect
when you sell . . .

MURRAY "WHEELS"

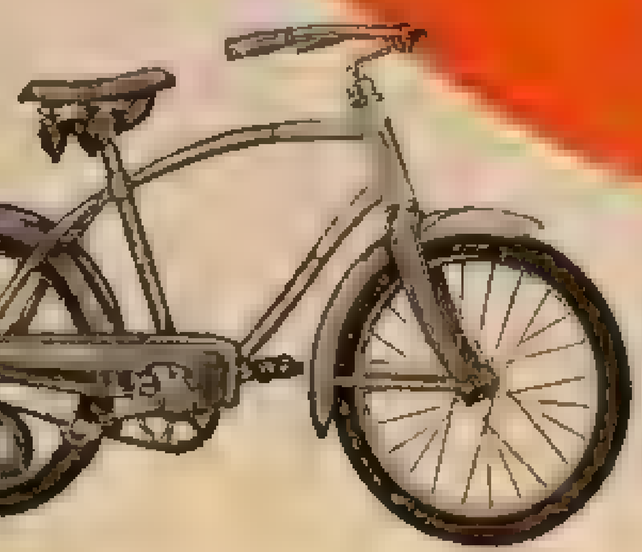


Your market is *unlimited* when you sell the Murray line. For it includes items for every age—tots to teenagers. Start selling the younger set Murray-Go-Round Baby Walkers. Next they graduate to Murray velocipedes, juvenile autos and wagons. When they reach the two-wheeler stage, they want Murray park cycles and bicycles . . . There is a wide range of sizes and models priced for every pocketbook . . . Feature this famous and *truly complete* line right now! Sell more in '54 . . . Sell Murray!

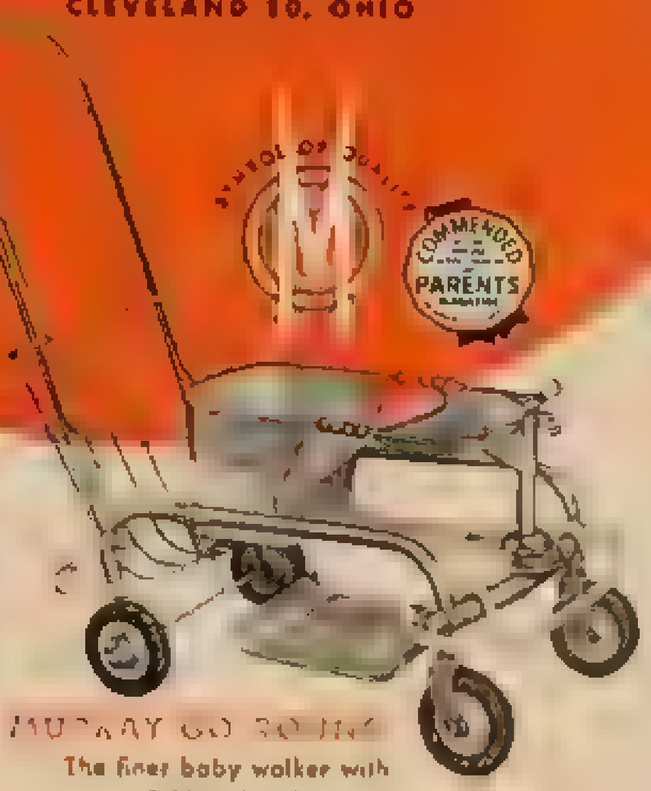
THE MURRAY OHIO MFG. CO.
CLEVELAND 10, OHIO

MURRAY BICYCLES — Four quality lines in the 26" size two each in 24" and 20".

MURRAY VELOCIPEDES
Seven different models, in many sizes, to meet all needs.

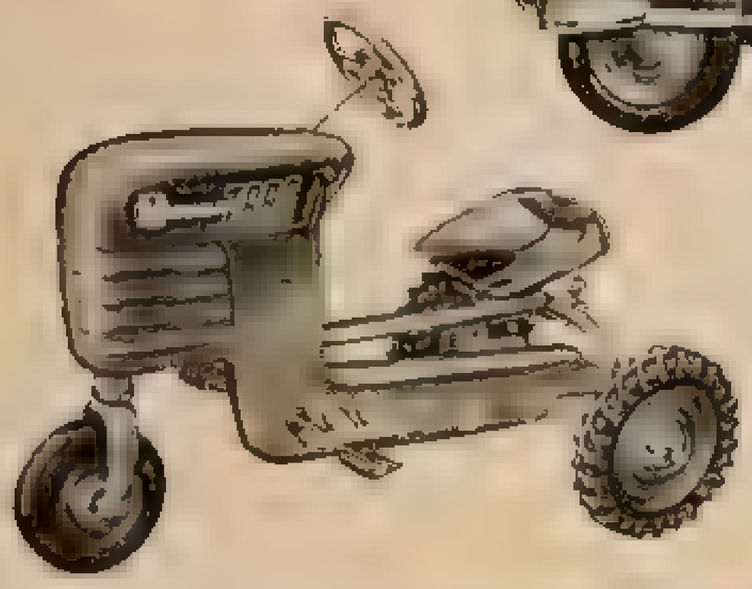


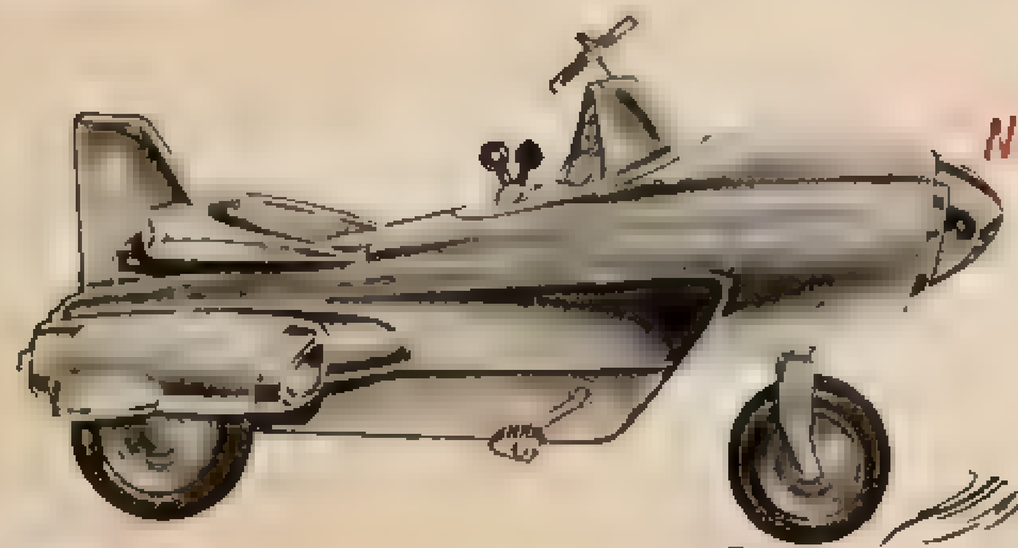
MURRAY PARK CYCLES
Nine models, 10", 14", 16" and 20" sizes, several with coaster brakes.



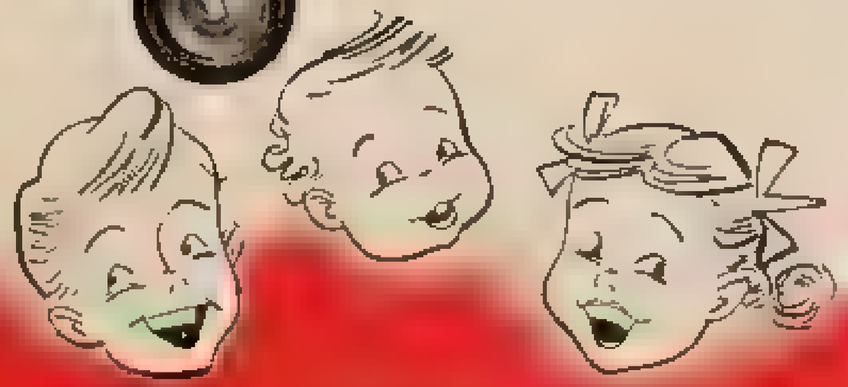
MURRAY GO ROUND
The finer baby walker with a folding hand

MURRAY TRAC
Imitated but never equaled
Both chain and pedal drive models





NEW SUPERSONIC JET
This sensational, new item is the sales leader of the year

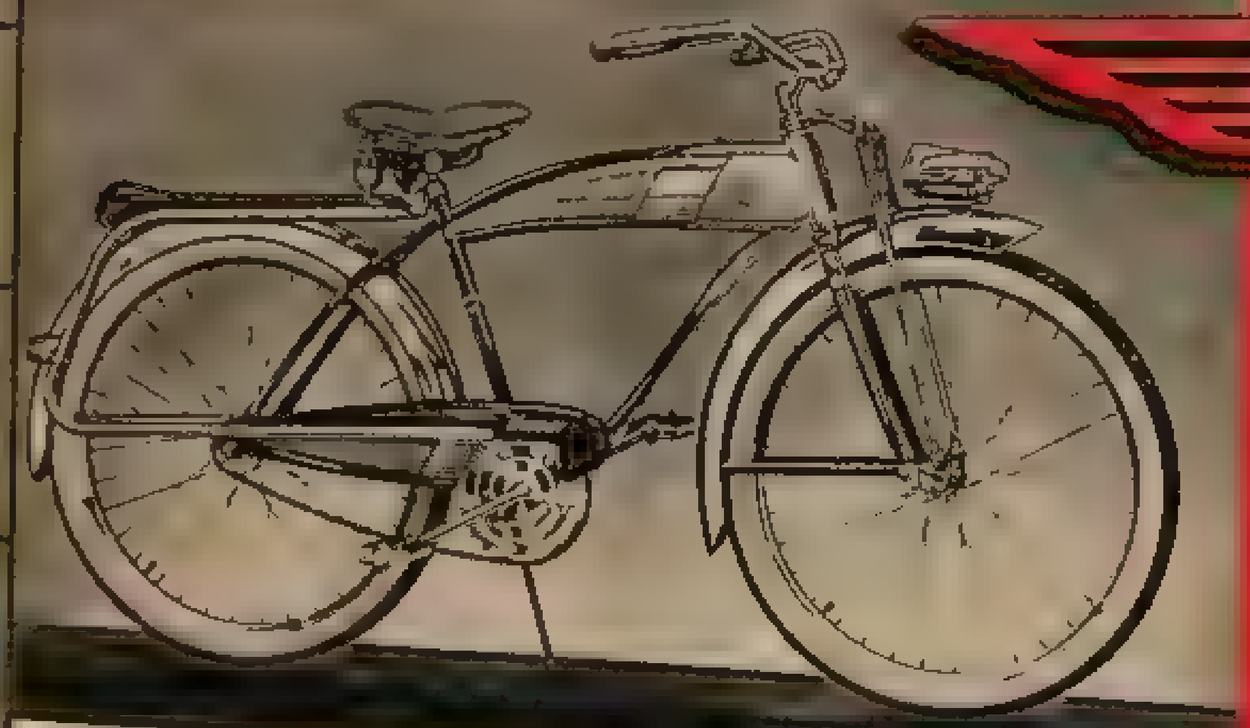


every child is a prospect when you sell ...

MURRAY "WHEELS"

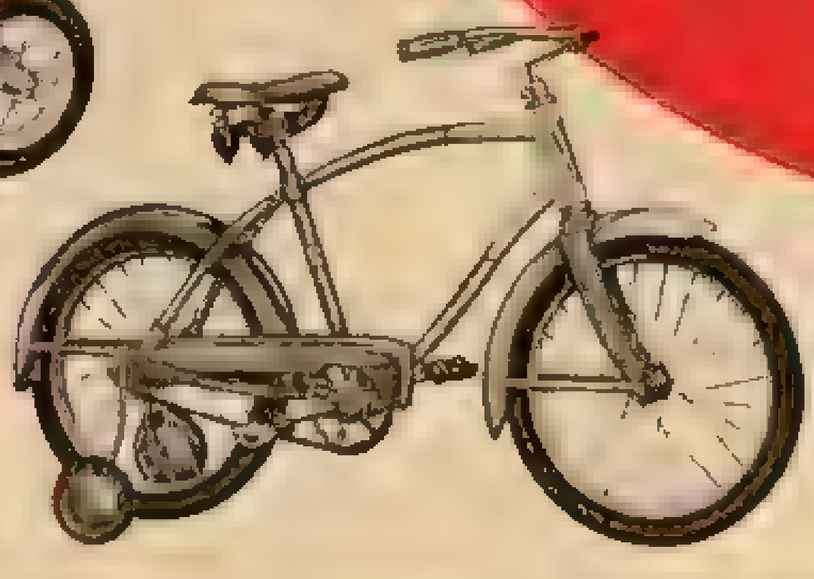
Your market is *unlimited* when you sell the Murray line. For it includes items for every age—tots to teenagers. Start selling the younger set Murray-Go-Round Baby Walkers. Next they graduate to Murray velocipedes, juvenile autos and wagons. When they reach the two-wheeler stage, they want Murray park cycles and bicycles . . . There is a wide range of sizes and models priced for every pocketbook . . . Feature this famous and *truly complete* line right now! Sell more in '54 . . . Sell Murray!

THE MURRAY OHIO MFG. CO.
CLEVELAND 10, OHIO

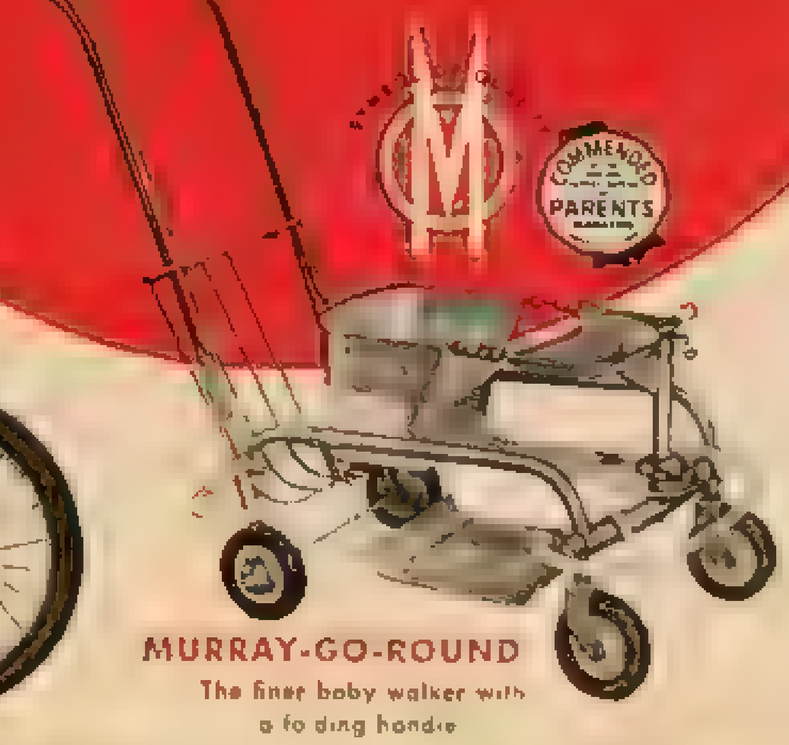


MURRAY BICYCLES—Four quality lines in the 26" size two each in 24" and 20".

MURRAY VELOCIPEDES
Seven different models, in many sizes, to meet all needs.



MURRAY PARK CYCLES
Nine models, 10" 14" 16" and 20"
4 sets, several with coaster brakes



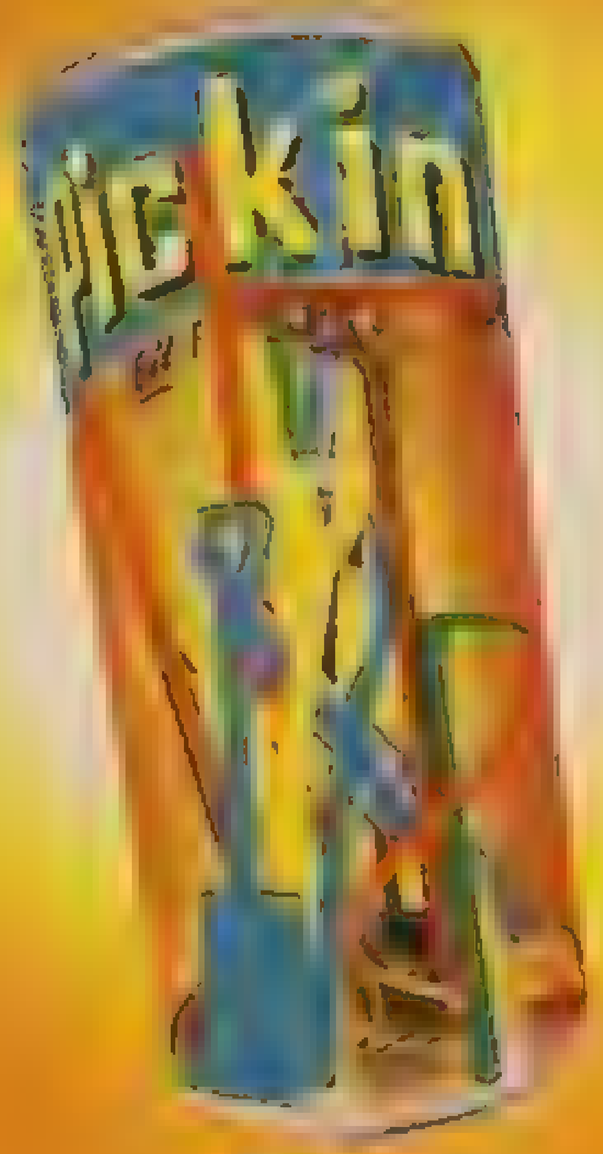
MURRAY-GO-ROUND
The finer baby walker with a folding handle

SALES are easy Pickin'

with the NEW Family Game . . .

Pickin'

TRADE MARK



50¢

FAIR TRADE PRICE

Here's a brand new
switch on an old favorite!
Watch PICKIN' become a smash
hit because it features old-time fun
and the modern appeal
of plastic garden tool toys

Each game of PICKIN' is a sparkling colorful
package, loaded with sales power and counter
come on. Inside are fourteen multi colored
garden tools in miniature Rakes,
Spades Shovels Hoes Forks
even a plastic tweezers for the
pick up fun of PICKIN'

CATALOG NO 800

PACKED 3 DOZ CTNS

NET WT 5 LBS

HIGHLANDER SALES COMPANY

A DIVISION OF W H SCHAFER MFG CO INC

MINNEAPOLIS 11 MINNESOTA

to coin a phrase...

IT'S OUT OF THIS WORLD

SQUARES

CATALOG NO. 900

Remember the old school time game Dots and Squares? Here's a plastic adaptation of that standby that's guaranteed to stir the imagination of the entire family.

We predict that Squares will become one of your biggest selling games. And what a bundle of merchandise for the price! Imagine, nearly 170 separate pieces make up the game. And they are all sparkling plastic in red, blue and yellow

Squares is easy to play, yet it's tricky and jammed with suspense

$2.00

fair trade price

NET WT 11 LBS

F. O. B. MINNEA[illegible]

Manufacturers of SPARE ME BOWLING - SCARE CROW SKUNK - COOT II STADIUM CHECKERS - MILL SQUARES - PEG N

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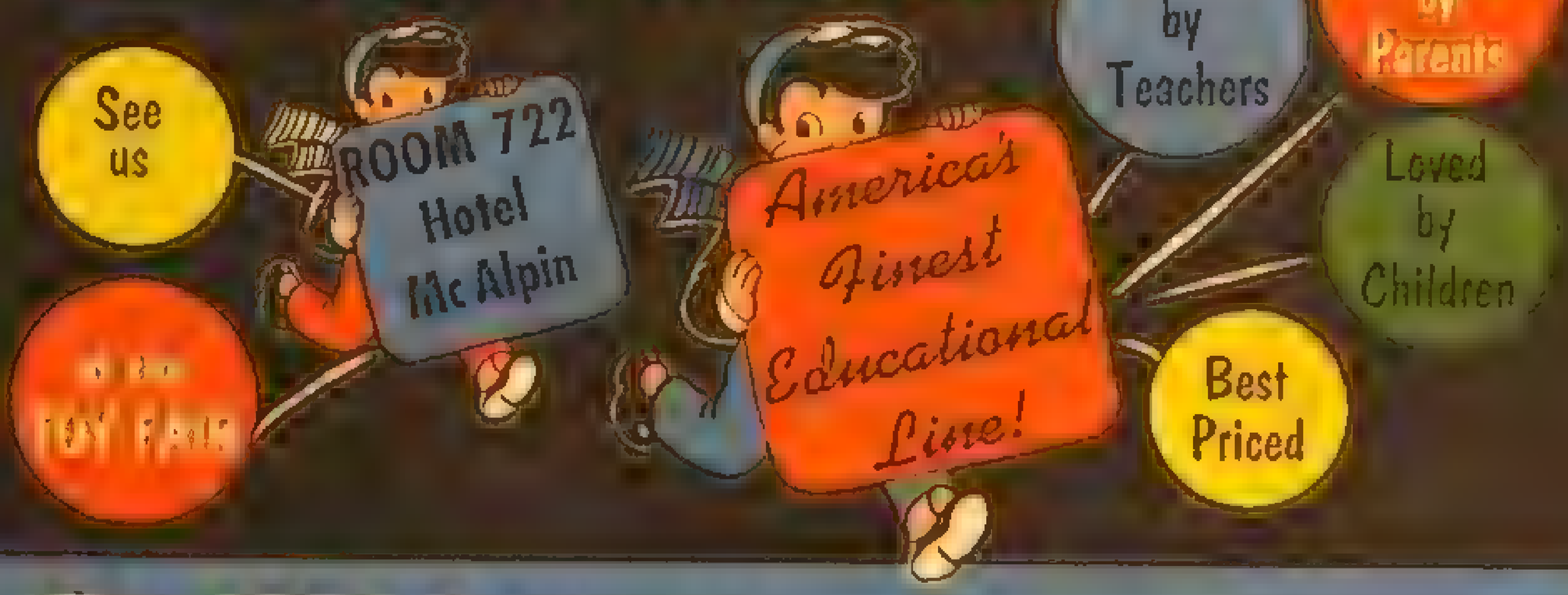
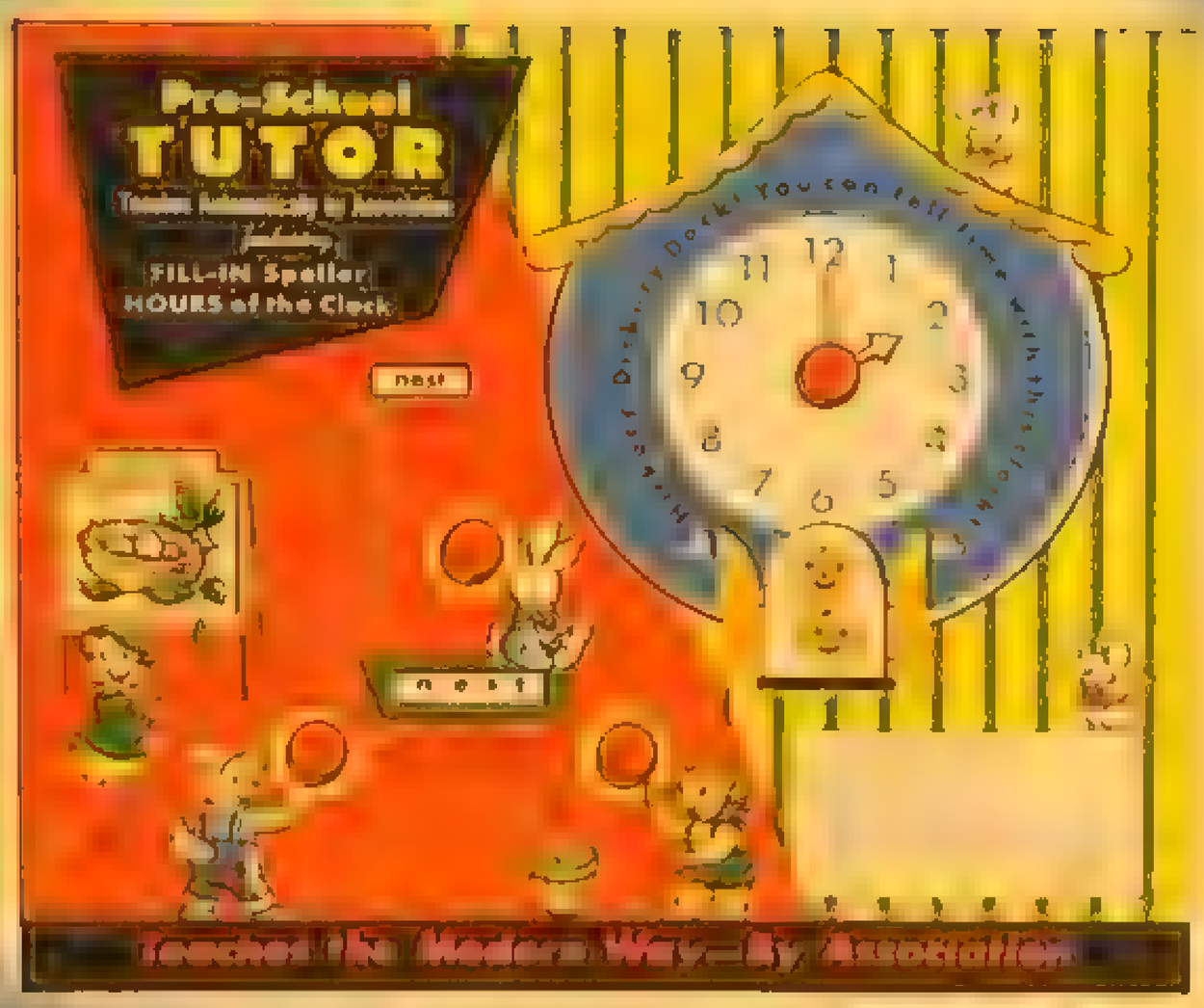
MINNEAPOLIS 11 MINNESOTA

Mastercraft Leads . . .



Our 1954 Features



CONTRO (WORD LOTTO)
Mail Gift Edition — Retails 79c

WORDCRAFT *An everyday word game*
Mail Gift Edition — Retails 79c

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19 West 24th Street • New York 10, N. Y.

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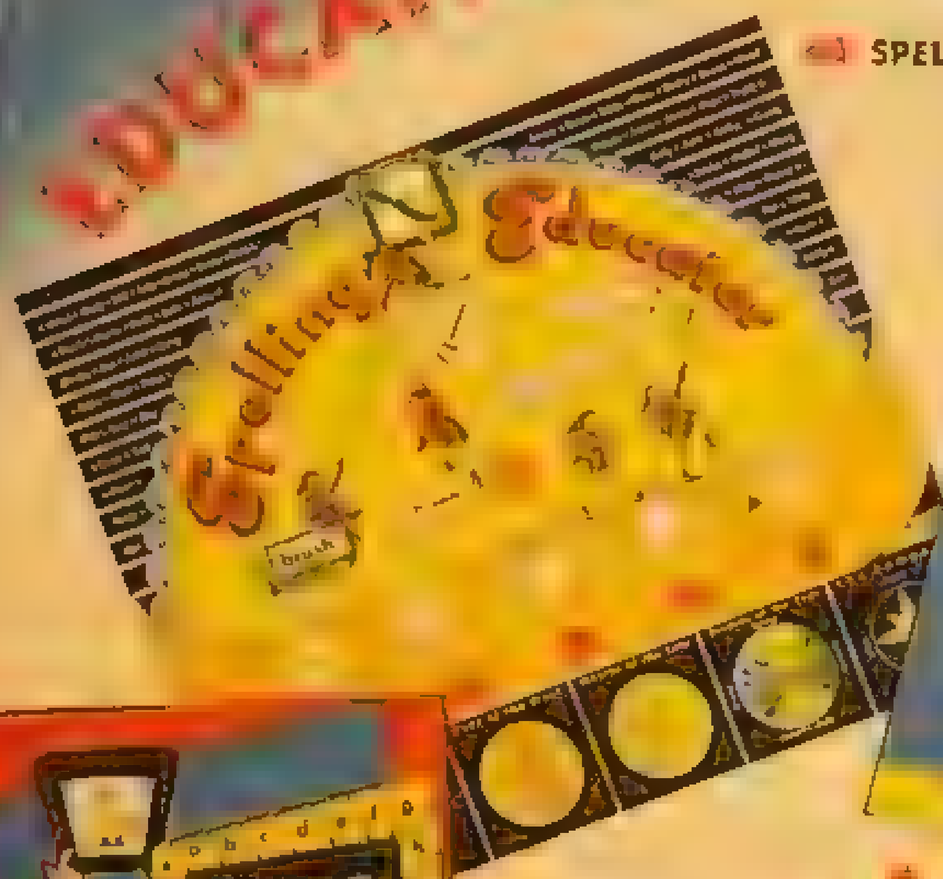
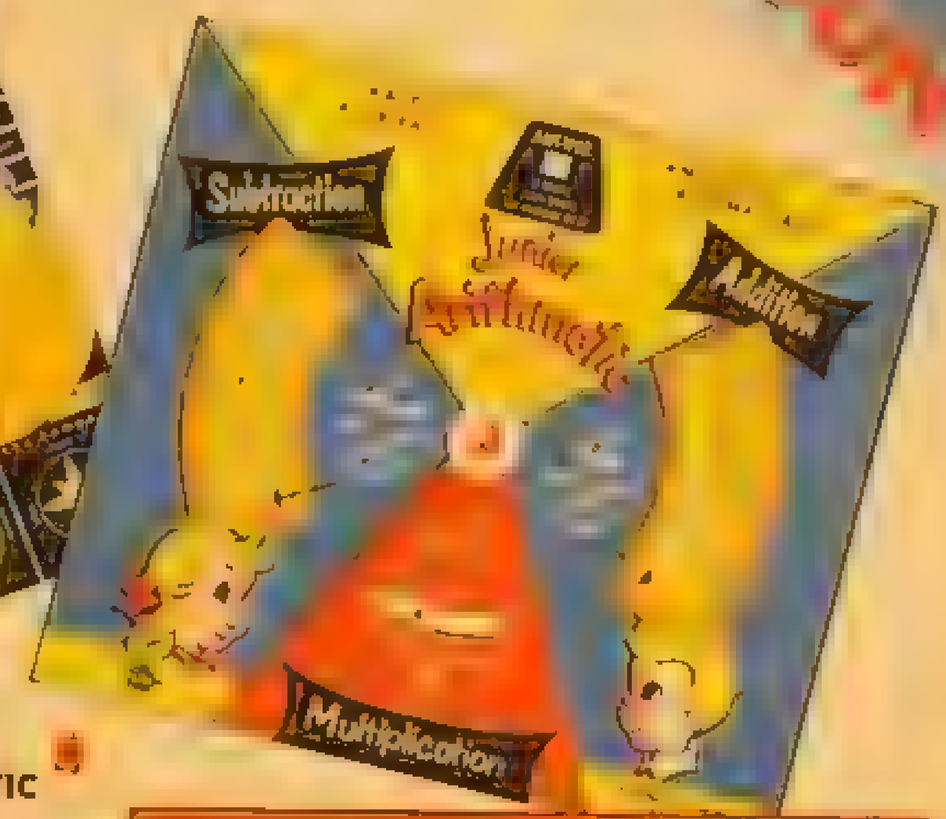
Hotel McALPIN

Don't Forget Your Date — HOTEL McALPIN RADIUM 7ZZ

EDUCATION VIA PLAY AND FUN

SPELLING EDUCATOR
Retails 1 59





JUNIOR ARITHMETIC
Retails 1 49

AUTOMATIC SPELLER
Retails 1 39

PENMANSHIP
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Retails 89c

GIVES STRONG YEAR ROUND SELLERS

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The Car of the Future

TODAY

- *NEW:* Low cost
- *NEW:* Jet nose-wheel steering
- *NEW:* Aerodynamic styling
- *NEW:* Easy at-home assembly
- *NEW:* Low center of gravity for safety
- *NEW:* Light weight
- *NEW:* Easy action ball bearing drive
- *PLUS:* Superb Sherwood fabrication and packing

See our complete line during the
Toy Fair – March 8–17
at the Hotel New Yorker, Room 1041
and at 200 Fifth Avenue, Suite 659

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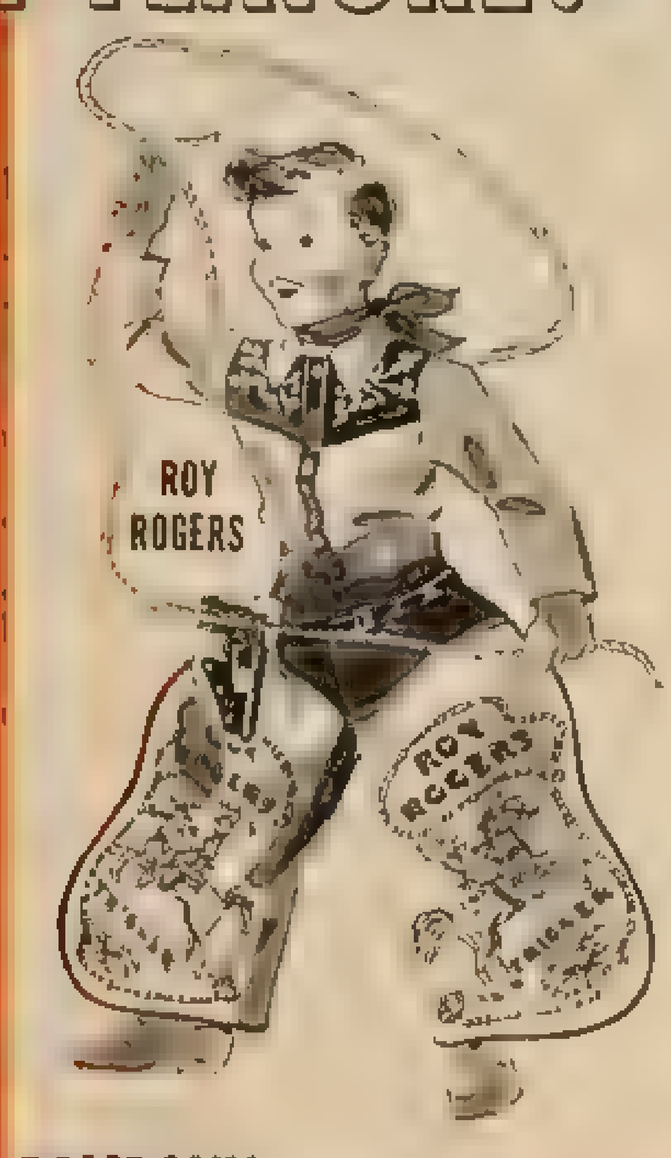
Factory at Walden, New York

FOUR GREAT SELLING NAMES...

ONE GREAT FEATURE!



YANKIBOY

cowboy suits star

GENUINE SHIFFLI EMBROIDERED SHIRTS...

designed to bring you more sales!

Imag ne! The powerful sa·es appea of such outstanding cowboy names as ROY ROGERS, DALE EVANS, CISCO KID and W LD B LL HICKOK...plus a feature found only in suits selling for much more—genuine shiffli embroidery on the colorful eye catching shirts!

Here's a really exciting EXTRA—appearing in almost the ent·e Yank boy ne - that can mean increased prof ts for you this year You can t afford to ove ·ook it for deta is WRITE TODAY!

SACKMAN BROTHERS COMPANY WORNOVA MFG. CO., 200 FIFTH AVE., NEW YORK 10

508

Be confident of quality
Be confident of sales

Feature These Milton Bradley Leaders with the Educator Approved Seal of the Toy Guidance Council

UNCLE WIGGILY
As Advertised in **LIFE**

After years of popularity, sales of this "Happy Rabbit" game continue to grow. Be sure to give Uncle Wiggily a front-row-center position in your own game promotion. For ages 4 to 8, retail $2.00.

REDSKIN FINGER PAINT
As Advertised in **LIFE**

Redskin is the best known and largest selling finger paint in America. Capitalize on the landslide popularity of this expressive art medium by displaying and selling Redskin in your game department. Retail $2.00.

Complete catalog of Milton Bradley Toys and Games free on request

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new...SALESATIONAL

Cholly Hoss . . . a sure SALES winner wherever it's shown!

TRADE MARK REGISTERED

SUGGESTED RETAIL PRICE

$9.95

SLIGHTLY HIGHER WEST OF ROCKIES

America's Hottest Selling Toy!

SAFE . . .
DURABLE . . .
UNBREAKABLE . . .

ATTENTION SALESMEN: There are still some excellent sales territories available. Write or phone today for complete information.

We will pay 50% of advertisement on Cholly-Hoss, at your local rate, when advertised at regular price of $9.95. Such advertisements not to exceed 30 column inches.

There's no feeling like just having bet on a WINNER . . . and that's the assurance you get with America's newest and fastest selling toy item CHOLLY HOSS! This thoroughbred among toys actually sells in carload lots wherever it's shown making it a sure SALES winner to carry you profitably through even the toughest selling competition.

CHOLLY HOSS is BIG 23" high, 28" long and 12½" wide and is designed to appeal to children of all ages. Adjustable seat and spring tension control allow perfect riding for weights from 20 to 80 lbs. . . . will not tip over or tilt forward or backward. Constructed of selected hardwoods: attractively finished; all nuts and screws countersunk to prevent damage to floors and rugs. Shipped one to a carton (2 pieces). Shipping weight 13 lbs. Only ONE simple operation required in assembling

Why not let CHOLLY-HOSS bring you into the winners circle? Write, wire or phone TODAY, orders will be shipped promptly

TOY DIVISION of AMERICAN HANDLE COMPANY

JONESBORO, ARKANSAS

GENERAL SALES OFFICES: 9 So. Clinton St., Chicago 6, Ill. Telephone: FRanklin 2-4730

A5

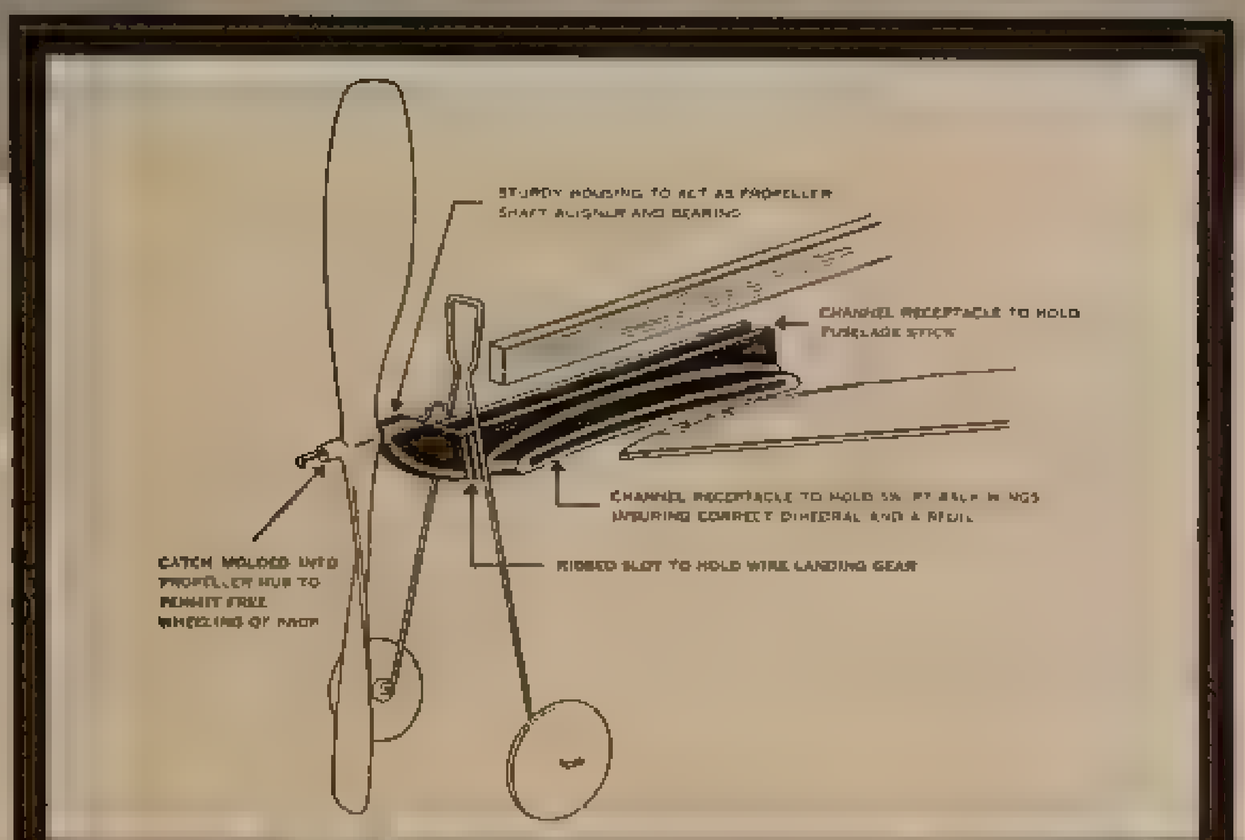
Really New... Really Different!

SEE HOW THIS

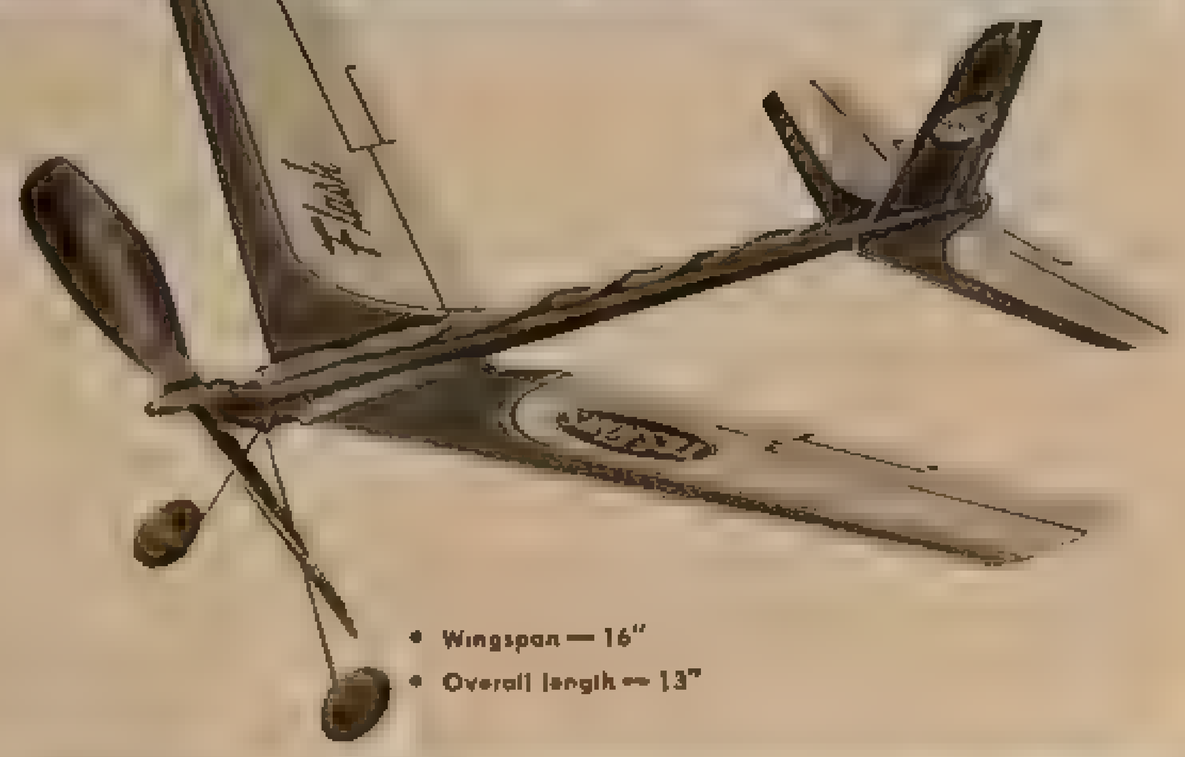
PLASTIC CENTER SECTION

gives 5 important assembly advantages to

TESTORS *Flash*



1. Channel receptacle holds fuselage stick rigidly in position; provides greater strength and support to entire plane.
2. Channel receptacle insures correct dihedral for swept-back wings.
3. Channel receptacle insures correct airfoil for swept-back wings.
4. Ribbed slots hold wire landing gear securely in position.
5. Sturdy propeller shaft housing serves as aligner and bearing.



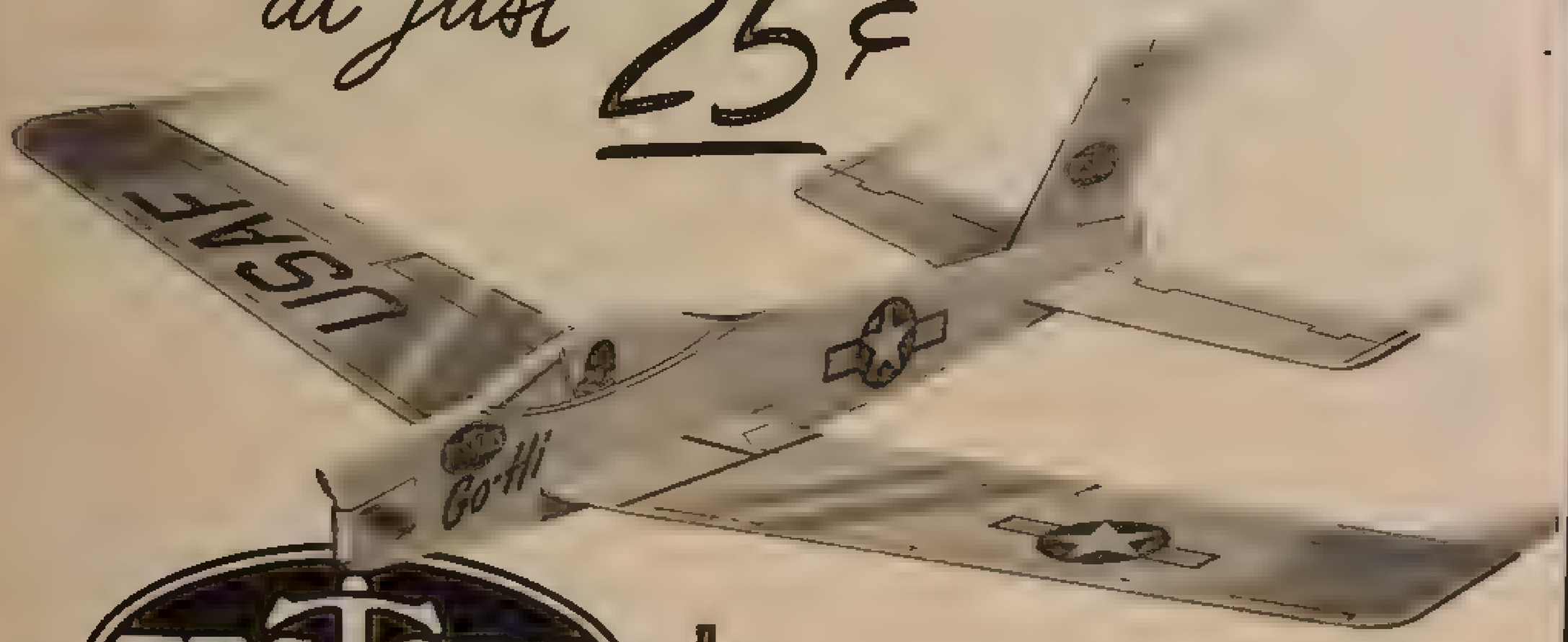
- Wingspan — 16"
- Overall length — 13"

Testors "Flash" is a fresh, new departure from previous ideas in prefabricated flying models! Look at these unmatched features: plastic center section (patent applied for) for unique integrated assembly as described above . . . swept-back wings like latest jets . . . specially designed hi-thrust, wide-blade plastic propeller . . . genuine T-56 contest quality rubber Testors own top-grade, clean-cut balsa . . . irresistible design appeal . . . far-superior flying performance. Reasons a-plenty why you'll find "Flash" a money-making big-seller that gives you important year-around volume. Comes individually packaged in colorful sliding-tray box; can be featured to advantage on free die-cut display card that holds actual sample for inspection. Don't miss out on this big-profit rubber-powered flying sensation! Order today . .

TESTOR CHEMICAL COMPANY • ROCKFORD, ILLINOIS
(WOODWORKING DIVISION)

NEW ...in design, decoration, flight performance

★ *A greater than ever value at just* 25¢



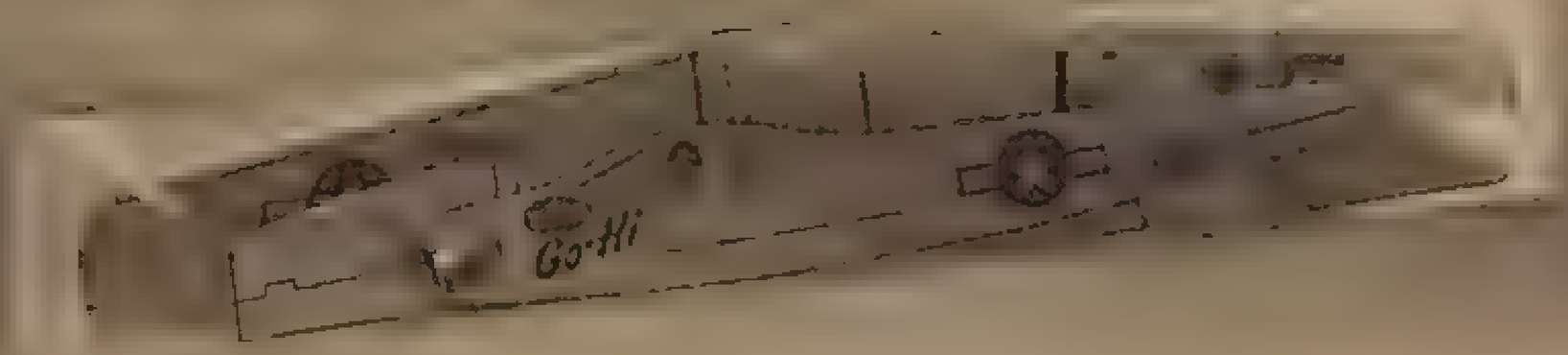
TESTORS

Go-Hi

Yes, sir! It's an *even better* airplane than before! More eye-appeal with colorful red, blue, and yellow printed trim . . . outstanding flight performance with new design changes. Accurately balanced for looping, high soaring, everything in stunting. Made of choice strong Testors balsa; can be assembled in 30-seconds without cementing. Dimensions: 18" wingspan; 12" overall length. Comes individually packaged in sealed cellophane bag, as illustrated below. Go after bigger-than-ever sales with this greater-than-ever 25¢ value . . . *now!*

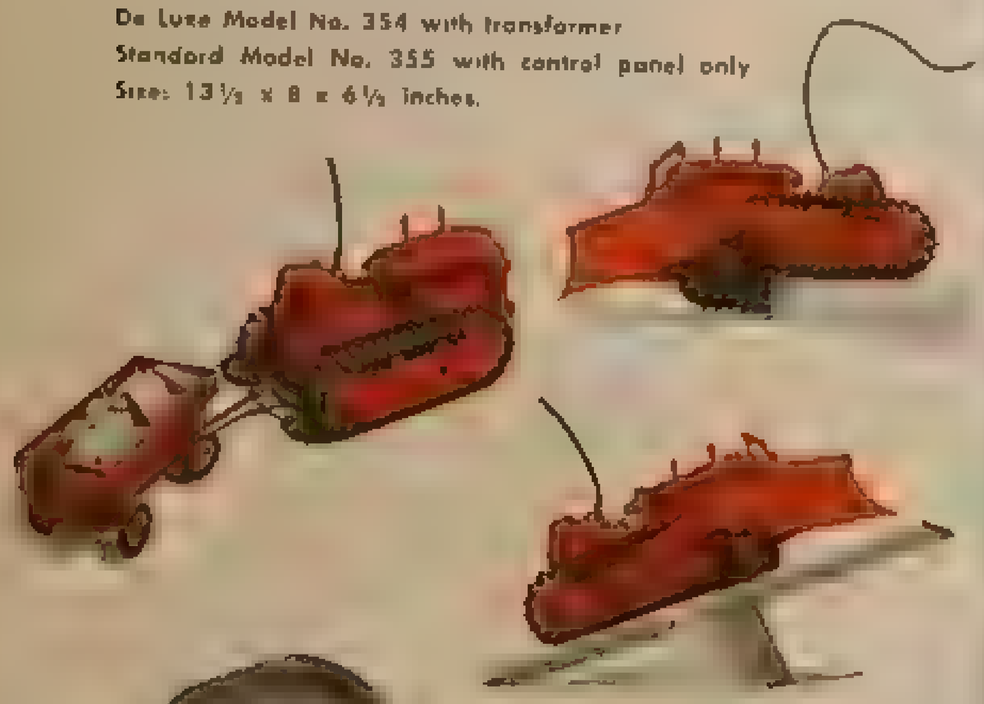
TESTOR CHEMICAL COMPANY

WOODWORKING DIVISION • ROCKFORD, ILLINOIS



Electric Tru-Miniature TD-24 Tractor goes right, left, reverse, or forward at a finger's bidding from the remote control panel. Has real headlights, log chain, snap-on bulldozer blade assembly and metal drawbar hitch. Available with or without transformer

Bulldozes • Turns • Climbs • Pulls
De Luxe Model No. 354 with transformer
Standard Model No. 355 with control panel only
Size: 13⅓ x 8 x 6½ inches.



Kid-charming Action

"LET ME . . ." is the often heard request when kiddies see Tru Miniatures in action. The play desire is there . . . they want these toys.

Only you can make these toys available . . . only you can demonstrate this *selling*, kid-charming action. So don't delay your order

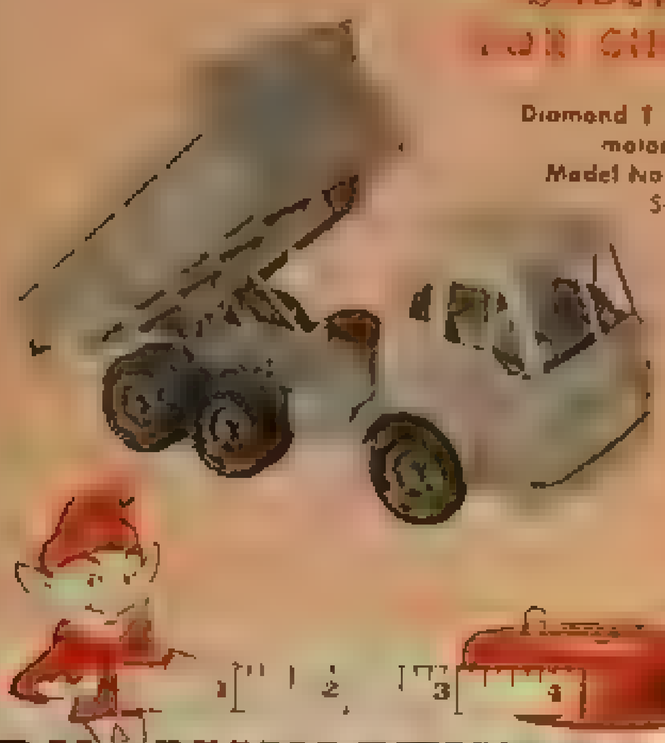
COMING ON TV!

Tru-Miniatures to be featured on .

- "INDUSTRY ON PARADE"
- "today" with Dave Garroway — NBC-TV
- "HOME" with Arlene Francis —NBC-TV

ORDER NOW
FOR CHRISTMAS!

Oscar Mayer Wienermobile with Spin-Torque motor
Oscar the Chef" moves up and down
Model No. 2554. Made of Styron 475
Size 9⅞ x 2¾ x 4¹, inches



Diamond T Dump Truck with take-apart motor and gravel box that dumps
Model No. 2153. Made of Styron 475
Size: 10 x 4½ x 4⅝ inches

Chevrolet Corvette
with Spin-Torque motor
Model No. 3454
Also offered unassembled as kit No. 3554
Size 6⅞ x 3 x 2⅛ inches

TRU MINIATURES

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"Pleasure with a Purpose"

COMING . . .
TRU-MINIATURES
ON T.V.

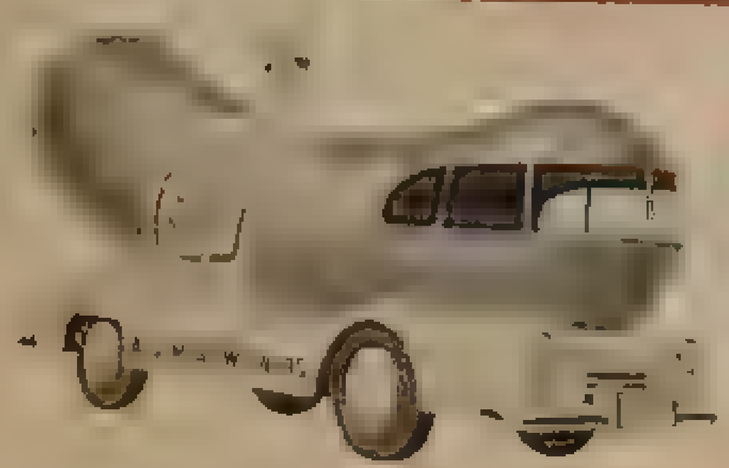
TRU-MINIATURES are your opportunity to fulfill a child's dream to own something "just like Dad's." They're motorized colorful safe. They have a rare combination of realism and educational play value that appeals to both parents and children. This *appeal* is your key to increased, year 'round sales.

This IS New

"Trail Blazer"

Trailways Bus — Model No. 3254

- Spin-Torque motor
- Demountable and interchangeable wheels
- Compartment with luggage and spare wheel
- Destination sign turns to 16 cities
- Front wheels turn right or left
- Tak-a-Part motor in rear compartment
- Plastic body interlocks to steel chassis
- Colors: Each bus is red, silver, cream and white
- Size: 18 in. x 3¼ in. x 5 in.



This IS New

"Hot Dog"

Oscar Mayer Wienermobile — Model No. [illegible]

- Spin-Torque motor
- "Little Oscar the Chef" goes up and down
- Metal-like grille, bumpers and lights
- White wheels with black vinyl tires
- Colors: Red wiener and cream bod
- Size: 9⅞ in. x 2¼ in. x 4½ in.

This IS New

"Smooth Sailing"

Plymouth Suburban — Model No. 1254

- Spin-Torque motor
- Tinted windows
- 1954 model
- Metal-like grille, bumpers and lights
- White-wall wheels with black vinyl tires
- Assorted colors
- Size, 7¾ in. x 3 in. x 2¼ in.
- AVAILABLE UNASSEMBLED AS KIT NO. 2451

This IS New

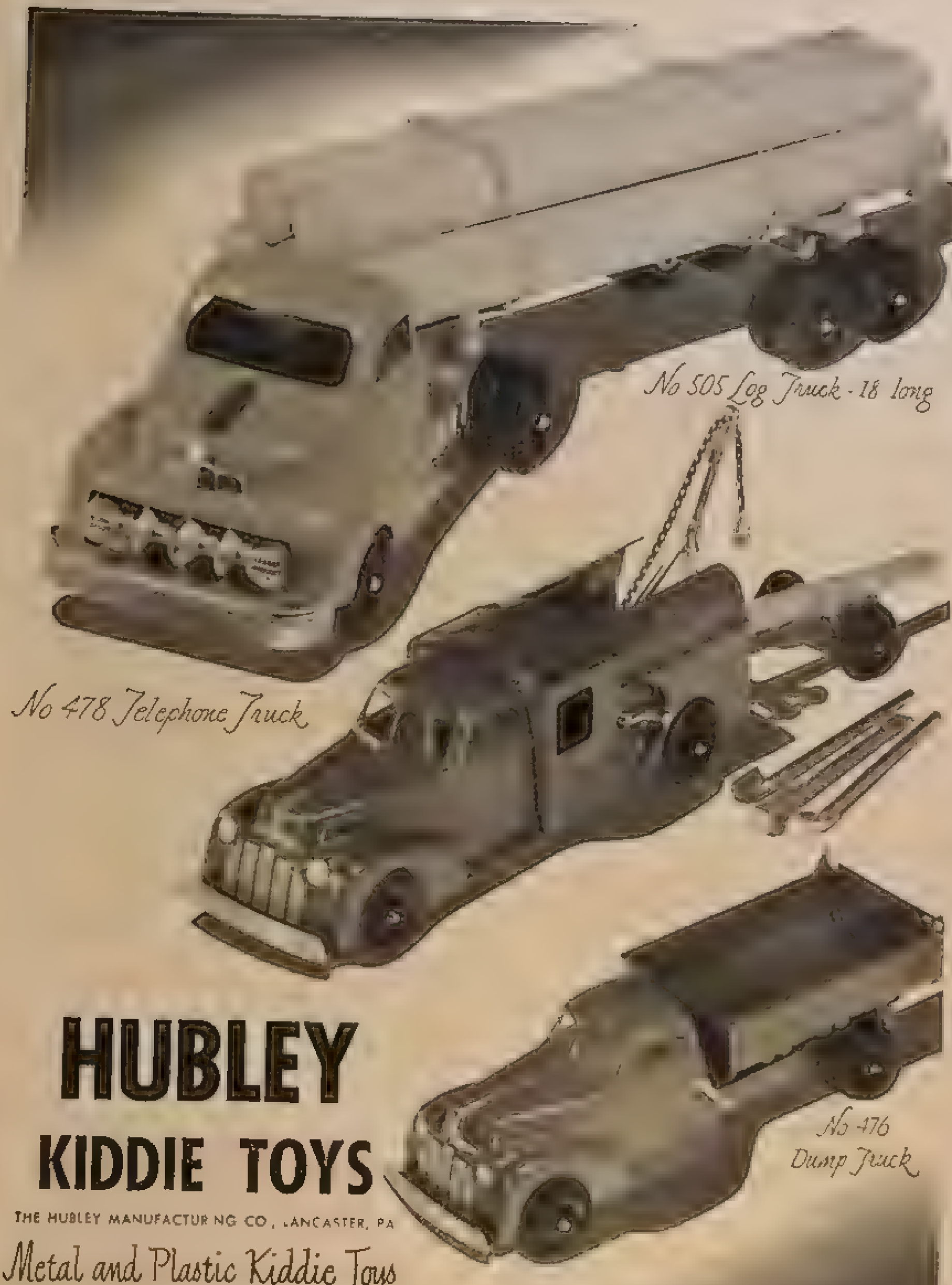
"Taxi! Taxi!"

Yellow Cab — Model No. 2[illegible]

- Spin-Torque motor
- Yellow cab sign and door decals
- Billboard area on trunk
- Tinted windows
- White-wall wheels with black vinyl tires
- Metal-like bumpers, grille and lights
- 1954 Plymouth sedan
- Size: [illegible]

PRODUCT MINIATURE CO., INC.
[illegible] • MILWAUKEE 11, WISCONSIN

★ "Master Craftsmen in Miniatures"



HUBLEY

KIDDIE TOYS

THE HUBLEY MANUFACTURING CO., LANCASTER, PA

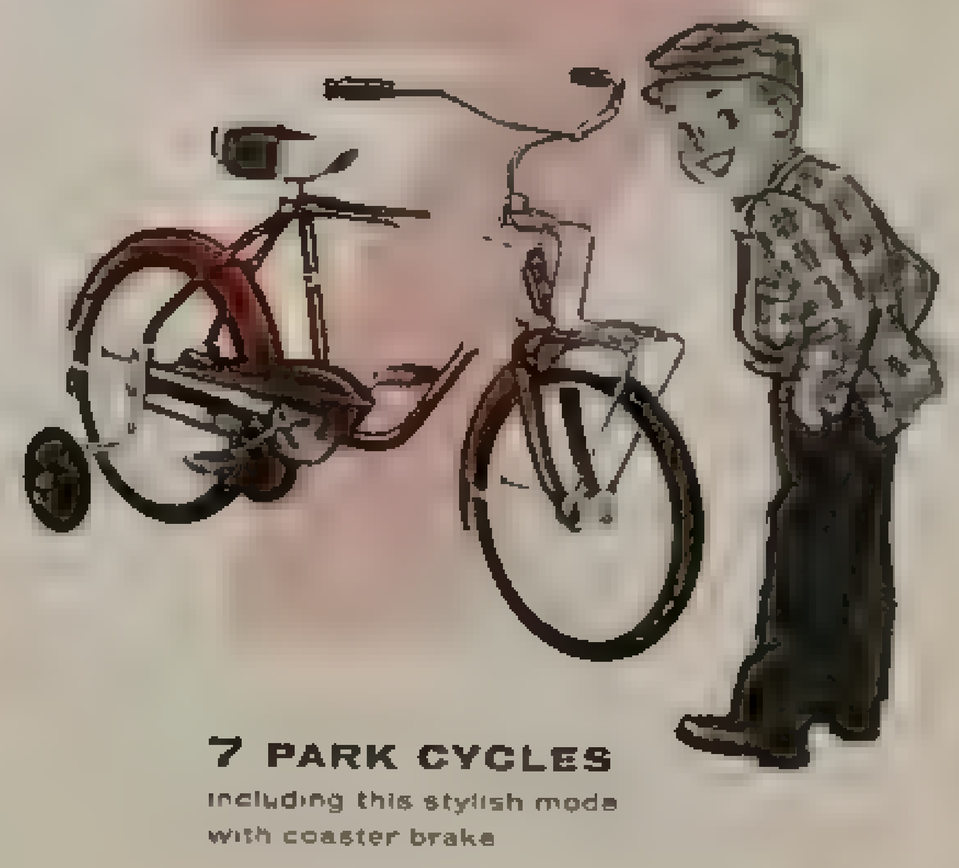
Metal and Plastic Kiddie Toys
Cap Pistols and Rifles

MURRAY

More models, more advanced design are why
More children ride on
Murray wheels than any other kind

32 BICYCLES

in Murray's revolutionary Speed Weight for '58 styling — featuring the flashy Strato Flite



7 PARK CYCLES

including this stylish mode with coaster brake

17 AUTOS,

fire trucks, dump trucks, tractors, wagons, baby walkers, and easy-turning 3-wheelers like this Fire Patrol

18 VELOCIPEDES

in all sizes and price ranges up to this Super DeLuxe Zephyr with twin Z frame

MURRAY
OHIO MFG. CO.
Nashville 4, Tennessee

All Murray products are manufactured and assembled in our new plant at Lawrenceburg, Tennessee

APRIL 1959

TOYS AND NOVELTIES

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THE ONLY TOY PUBLICATION THAT IS BOTH

TOY FAIR Sensation!

Volume Combination

ZORRO · WALT DISNEY TV · MAGIC SLATE FOR MILLIONS OF Z FANS

NO. 790

79¢ RETAIL

8½ 13¾ BIG! DRAW TRACE GAME BOOK

NEW PACK READY TO SELL 2 DOZ. 13 LB. DISPLAY SHIPPER

HUGE SALES HIT!

THE WATKINS-STRATHMORE COMPANY AURORA ILLINOIS

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CLEVELAND WOODCL 4 SUP
IN2D 3N W4 5058

SELECT-A-GAME

$4.00

POKER-SCRAMBLE

$3.00

TYCOON

$3.50

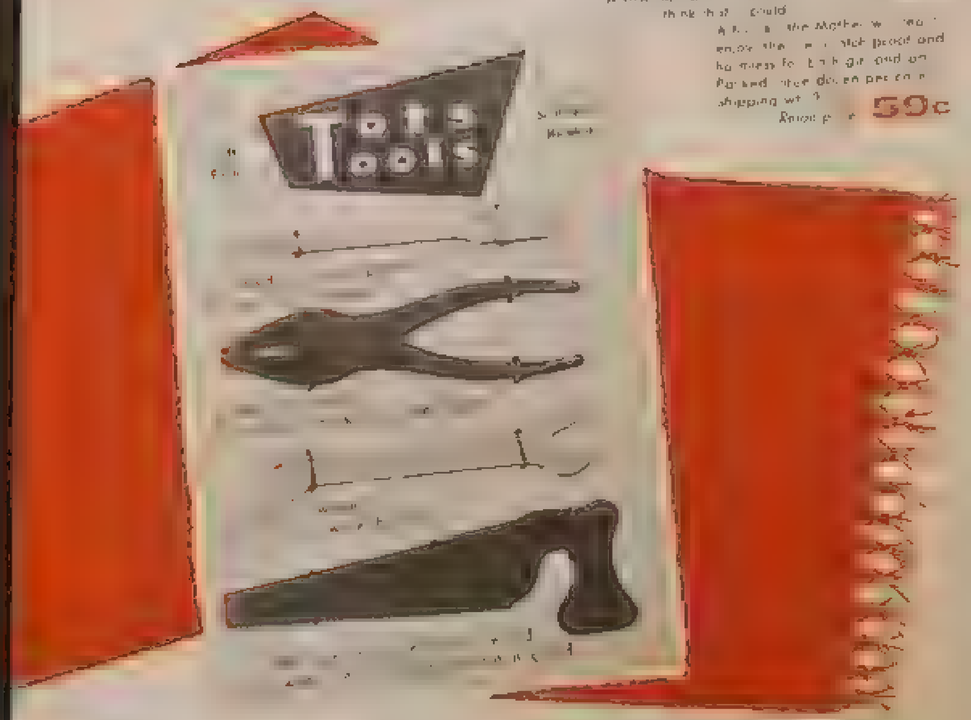
PICTURE-PATCH

$3.00

TOTS' TOOLS

A splendid [illegible] for tots [illegible]
Pieces of plastic wood [illegible]
A hammer [illegible]
A saw [illegible]
[illegible]
All [illegible] the Mother [illegible]
enjoy the [illegible]
hammers for [illegible]
Packed [illegible]
shipping wt. [illegible]

Retail price **59c**



GAMES

INC. AMERICAN AVE.
Minneapolis 11, Minn.

This is only the beginning! You'll be seeing and hearing more, much more, about the new and exciting things in production right now at Games Inc.

Eric Rohrer

PRESIDENT

GAMES

... for young and old

DENNY
... from the deep

Nobody's too old or too young not to get excited about Denny — From the Deep. It's a new construction game designed by GAMES INC. ideal for parties or for family fun. Denny's made of soft flexible polyethylene plastic in four gay colors. Putting Denny together is a race for two to four people. There are four Denny's, no two exactly alike with individual and distinctive starting tops. Exciting hours of play for all. Packed 12 per case. Shipping wt. 9 lbs.

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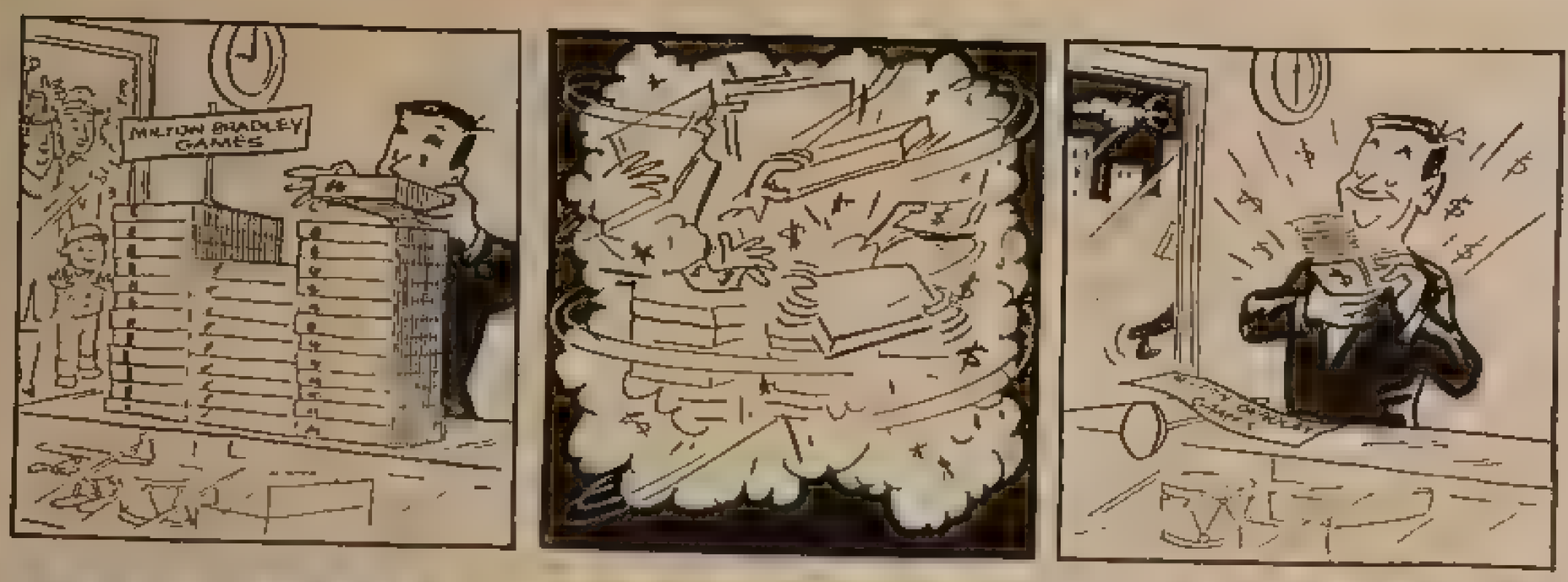

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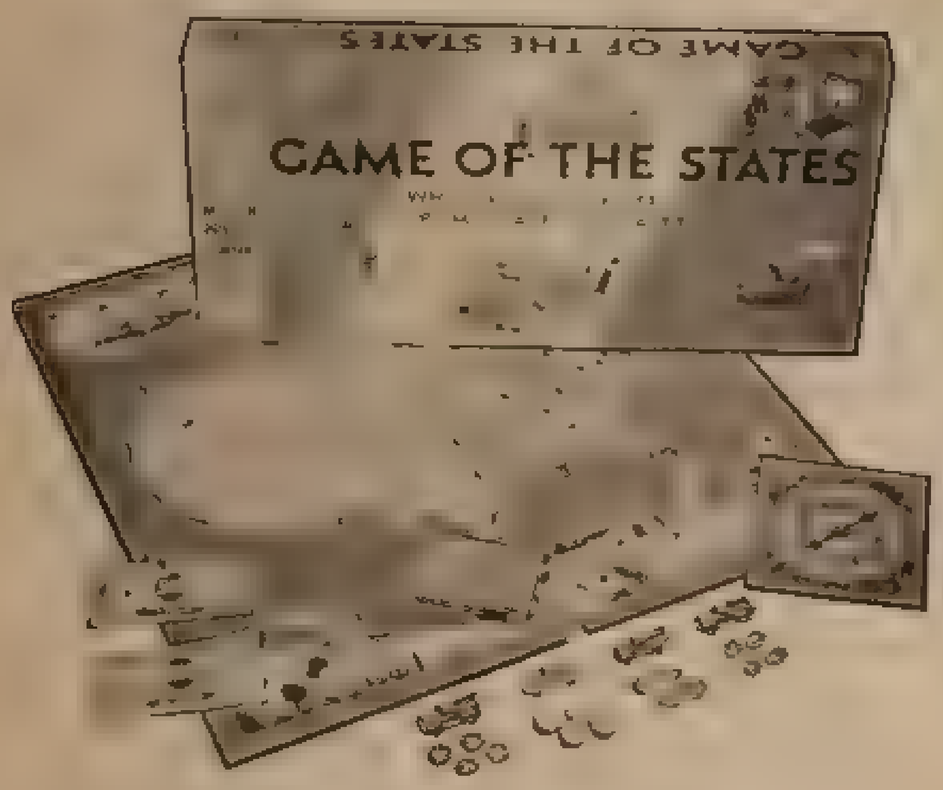

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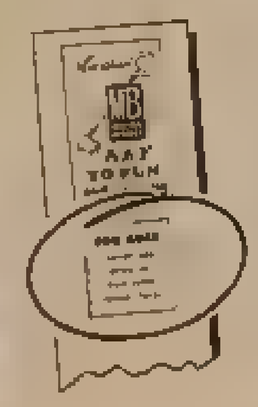

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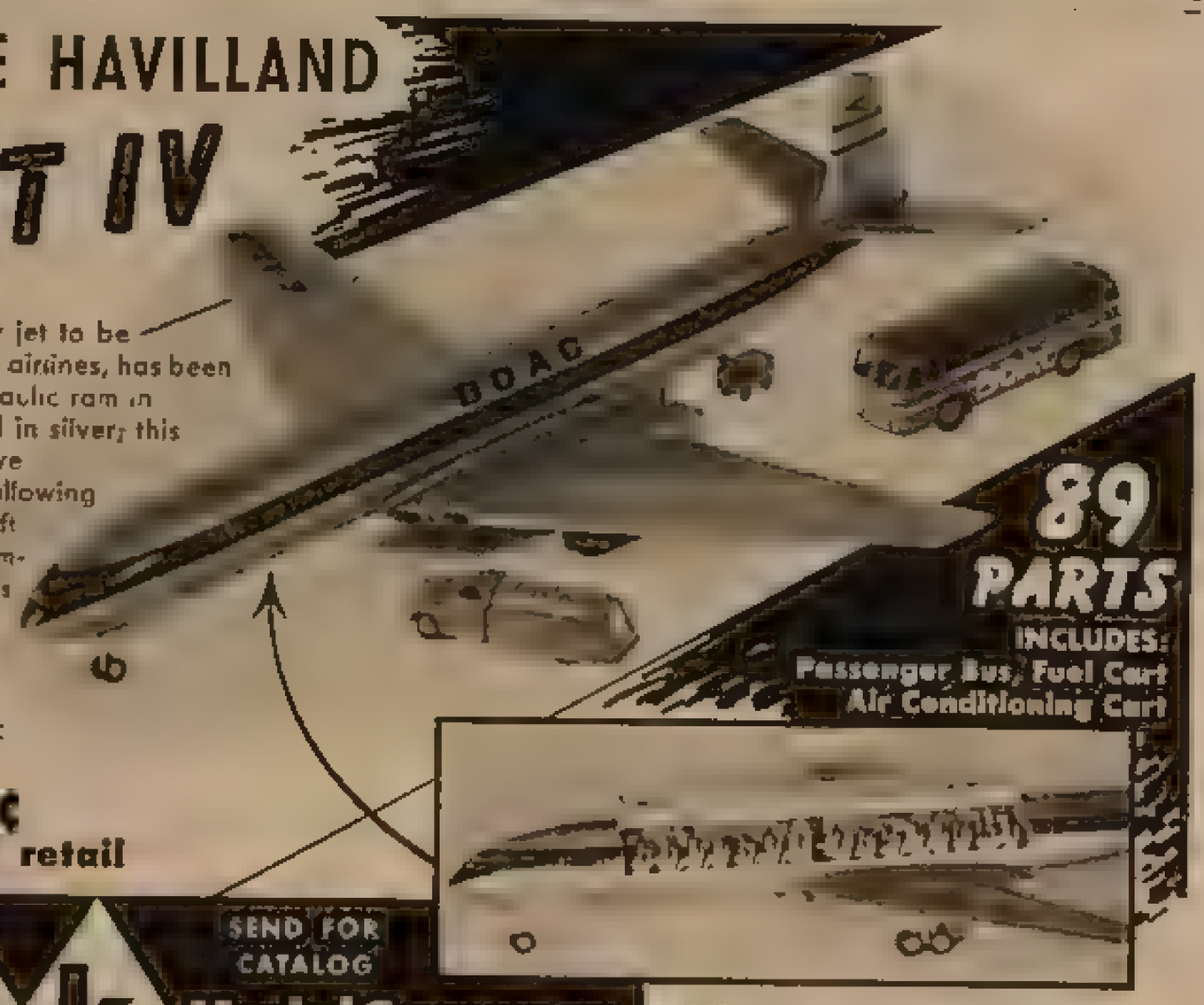

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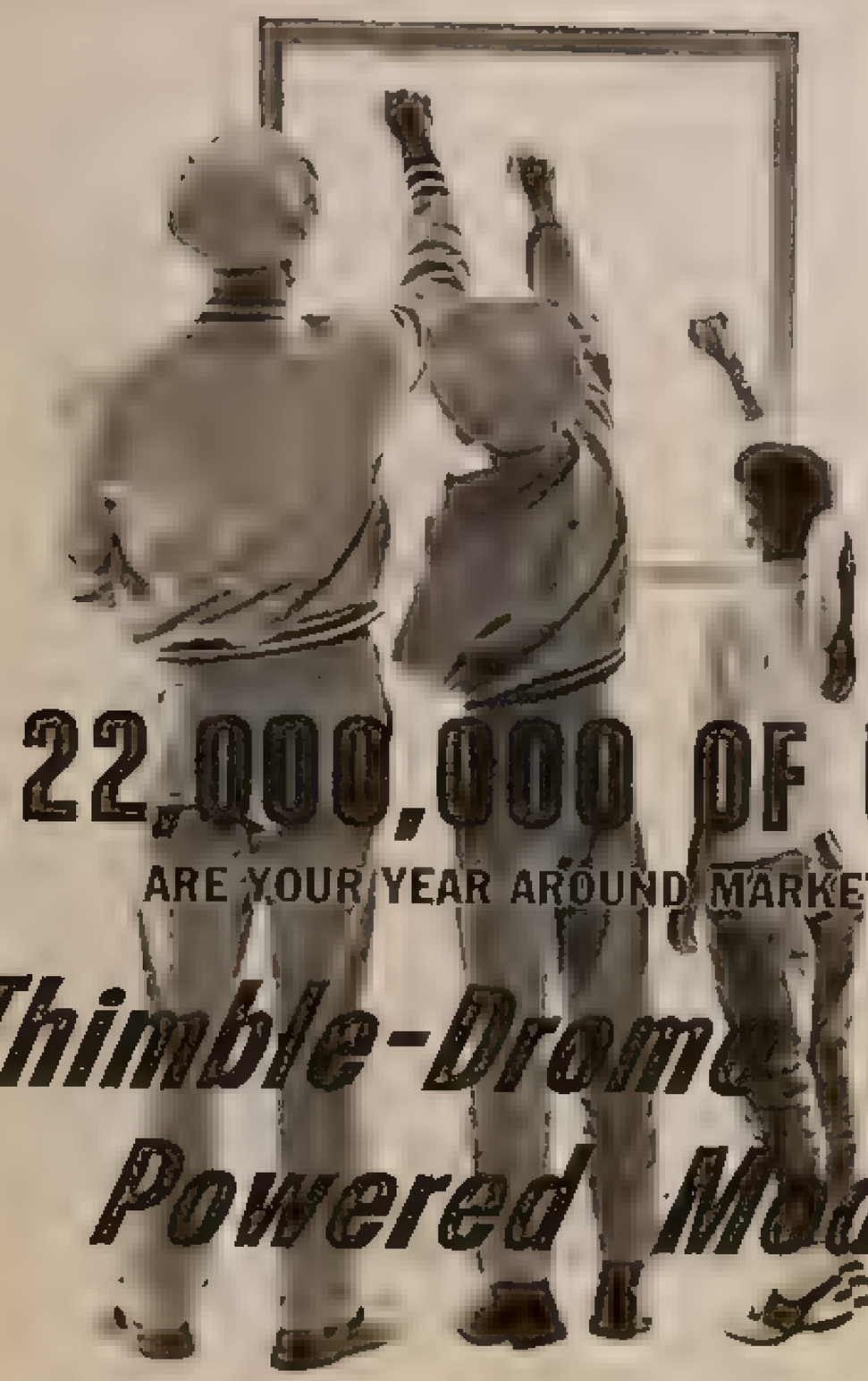

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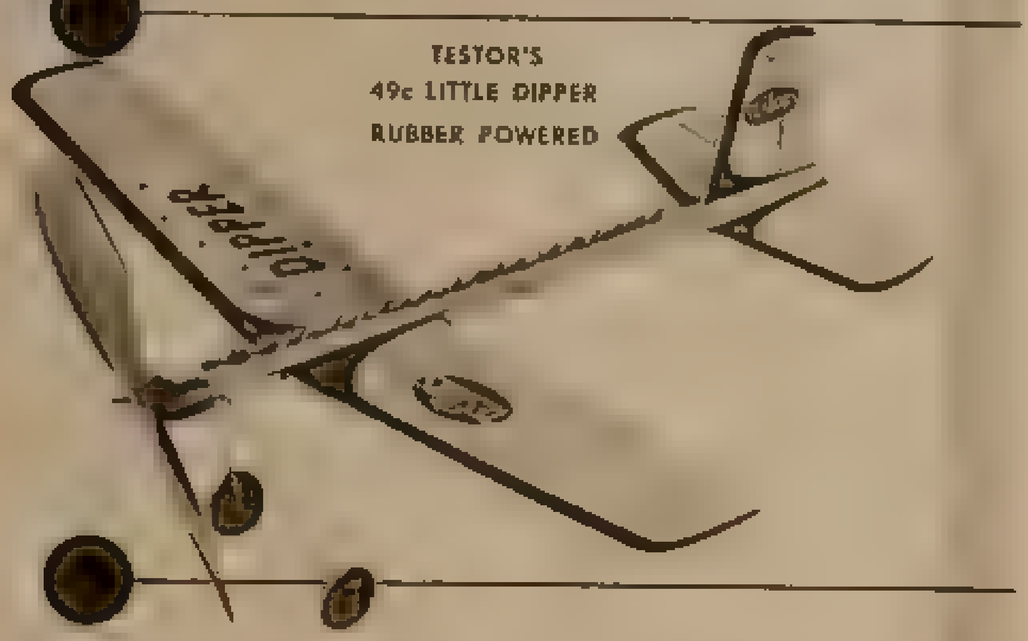

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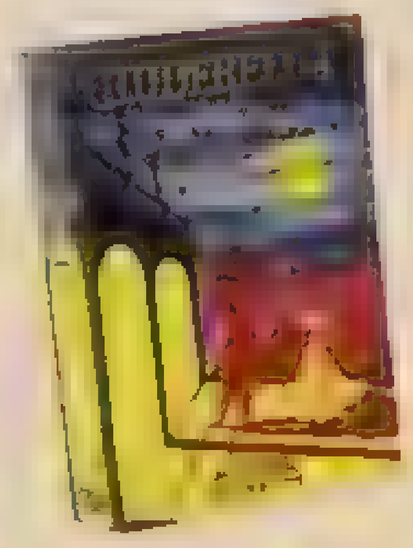

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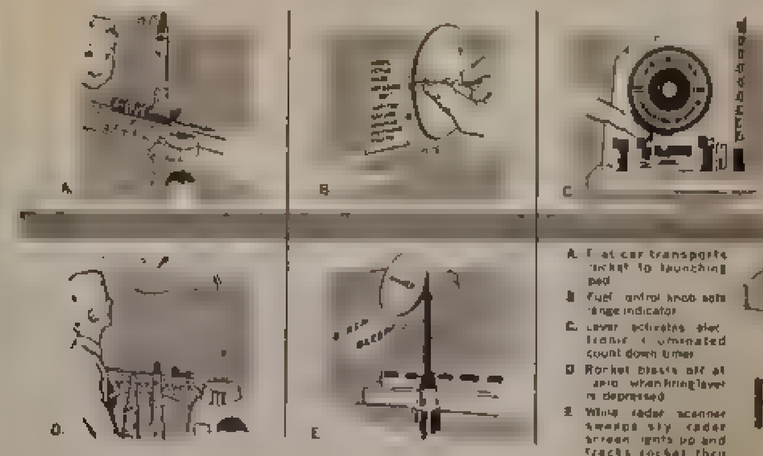

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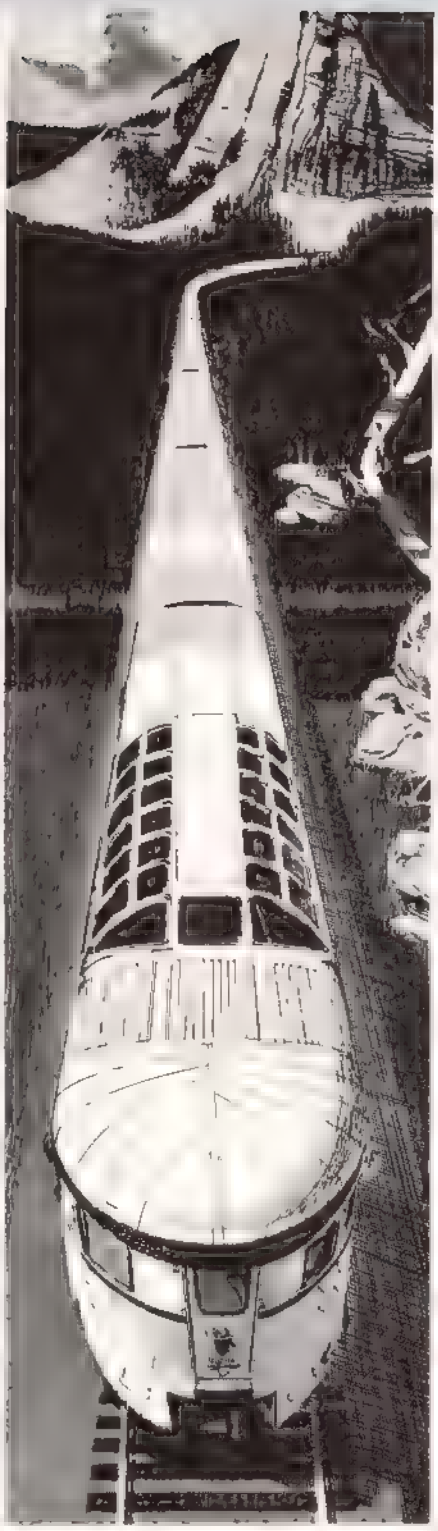

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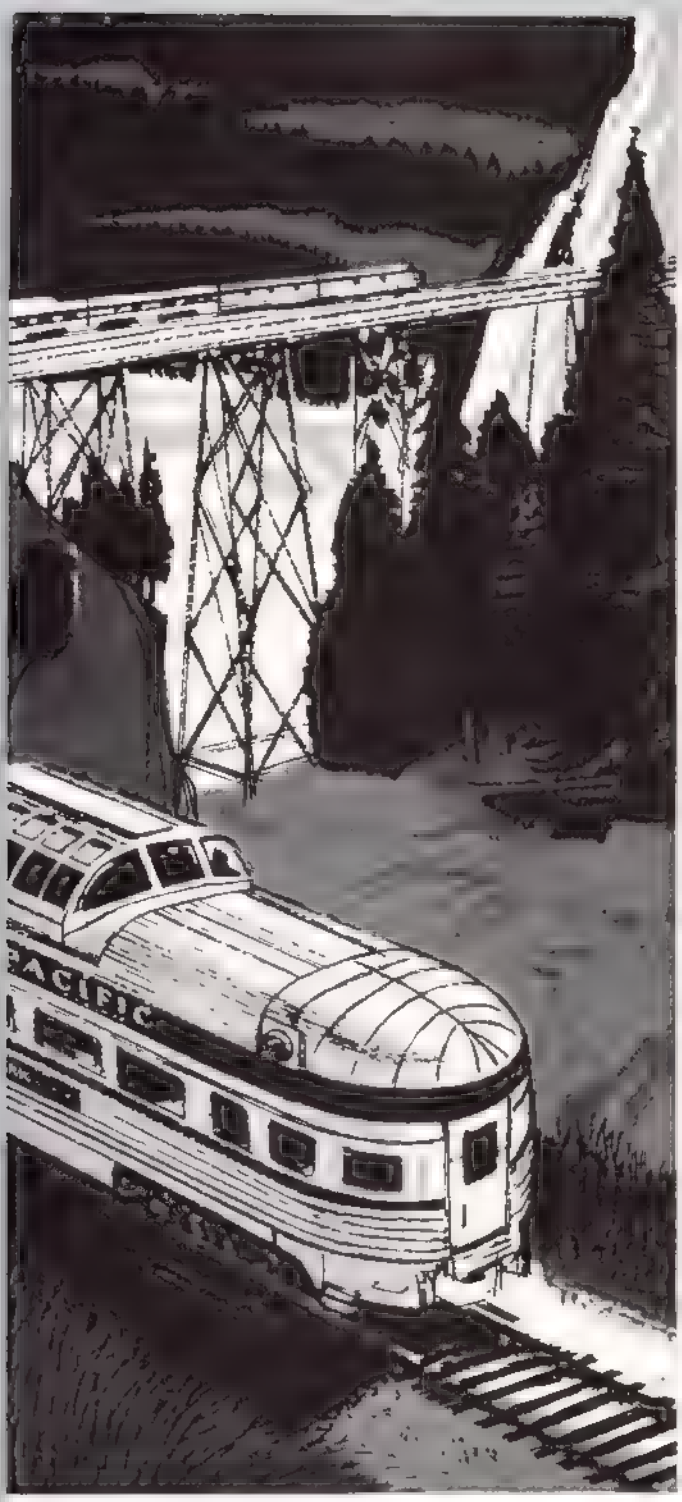

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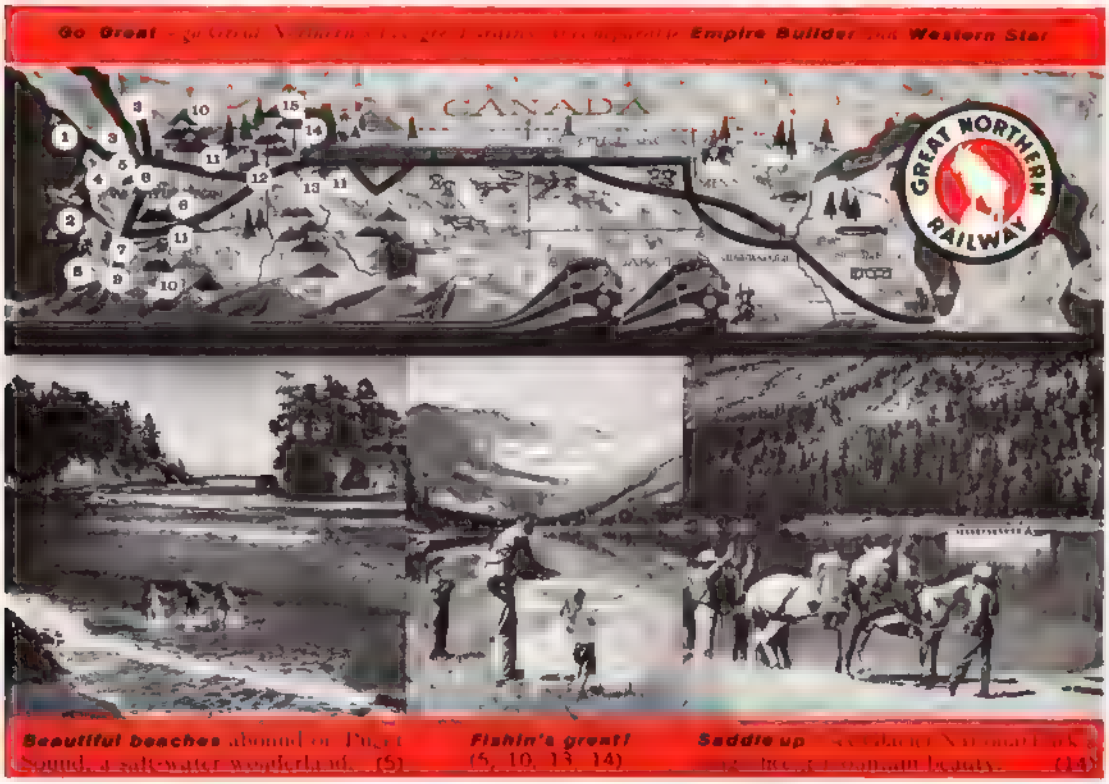

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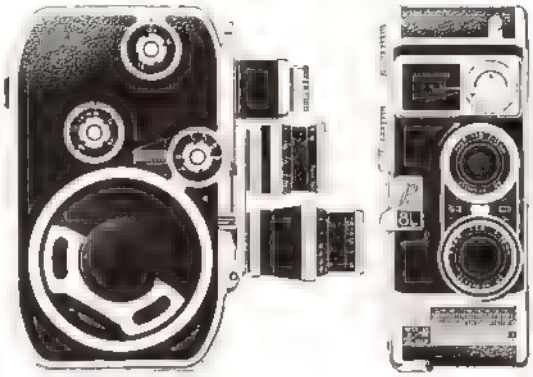

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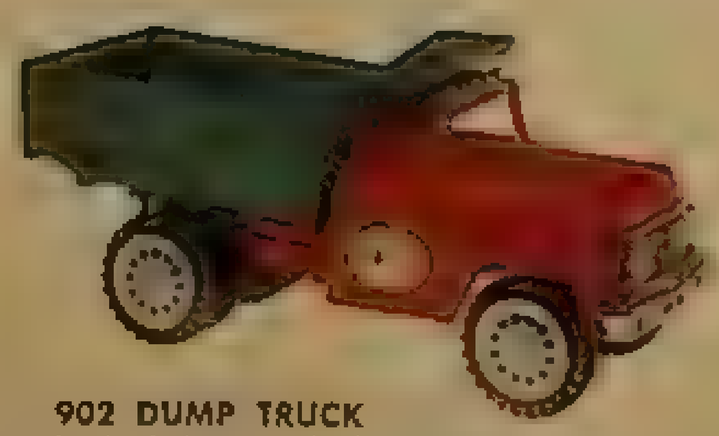
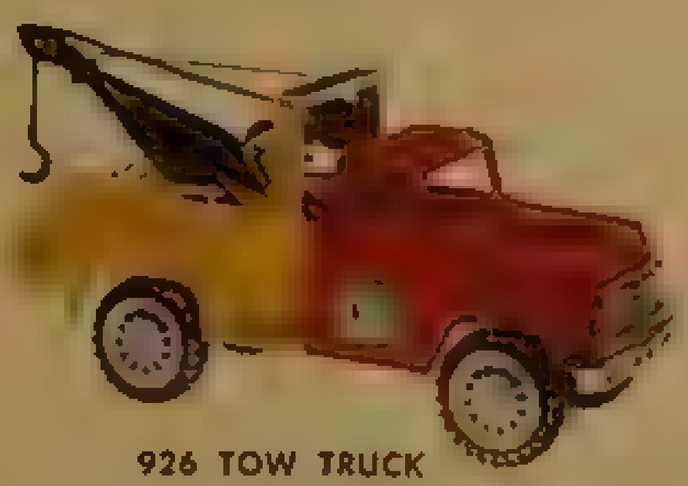


902 DUMP TRUCK
Heavy bodied dump with dual rear wheels and movable tailgate. Deep treaded rubber white-wall tires. Dump body operates from lever on side. 11 in. long. Individually packaged in colorful corrugated box. ½ doz. boxes per ctn.; wt. 20 lbs. Suggested list price $2.98.

953 TRACTOR WITH TRAILER DUMP
Dump body has lever on side which automatically dumps contents by spring action. Dual wheels on trailer and truck. Deep tread rubber white-wall tires. 16 in. long. Individually packaged in colorful corrugated box. ½ doz. per ctn.; wt. 24 lbs. Suggested list price $4.98.



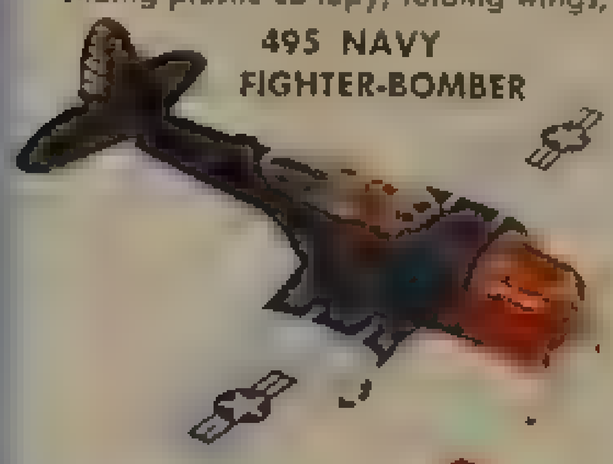
926 TOW TRUCK
Mighty-Metal at its best. Hook is operated by crank on right. Brake on left holds hook in place when towing. Deep tread rubber tires. 12 in. long. Individually packaged in colorful corrugated box. ½ doz. per ctn.; wt. 20 lbs. Suggested list price $3.69.

966 FLAT BED WITH SHOVEL
Truck Flat bed Trailer, and Hubley's popular No. 901 Power Shovel. Deep tread rubber white-wall tires. Shovel actually shovels and moves on rubber treads. 20 in. long. Individually boxed in colorful corrugated box. ¼ doz. per ctn.; wt. 16 lbs. Suggested list price $5.95

882 PICKUP TRUCK
Sturdy pickup with realistic detailing. Deep treaded rubber white-wall tires. Hitch for attaching other Hubley items. 12 in. long. Individually packaged in colorful corrugated box. 1 doz. boxes per ctn.; wt. 30 lbs. Suggested list price $2.49.

other popular mighty-metal toys . . . by Hubley

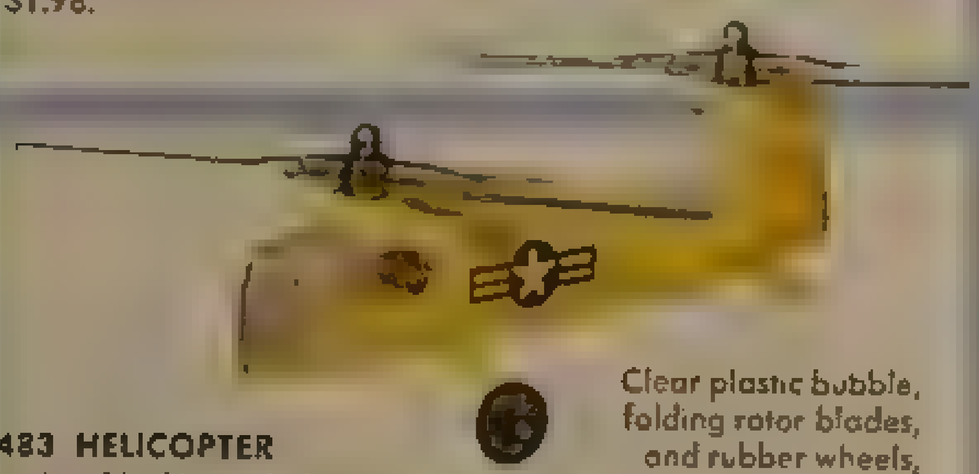
A sales leader for years. Retractable wheels, revolving prop, sliding plastic canopy, folding wings, rubber tires, and realistic detail. Length 10 in. Packed 1 per display box; 1 doz. per ctn.; wt. 20 lbs. Suggested list price $1.98



495 NAVY FIGHTER-BOMBER

881 P-38

Retractable rubber tires, props that spin, and accurate detail make this 9 in. beauty a sure winner. Packed in colorful display box. 1 doz. boxes to ctn. Weight 20 lbs. Suggested list price $1.98.



483 HELICOPTER Clear plastic bubble, folding rotor blades, and rubber wheels, make this 9¼-in. helicopter a real sales winner. Individually boxed; 1 doz. per ctn.; wt. 13 lbs. Suggested list price $1.49

492 AUTO TRANSPORT

Four plastic cars can be loaded and unloaded on metal ramp. Trailer and cab detach. 14 in. long. Packed in a colorful corrugated box with display base. ½ doz. per ctn.; wt. 16 lbs. Suggested list price $2.98

501 TRACTOR LOADER 12¾ in. long. Individually packed in colorful corrugated box, ½ doz. to ctn.; wt. 15 lbs. Suggested list price $2.98

503 ROAD GRADER

Independent front and rear suspension. Adjustable blade, steering lever moves front wheels. 12¾ in. long. Individually packed in colorful box. ½ doz. to a ctn.; wt. 15 lbs. Suggested list price $2.98

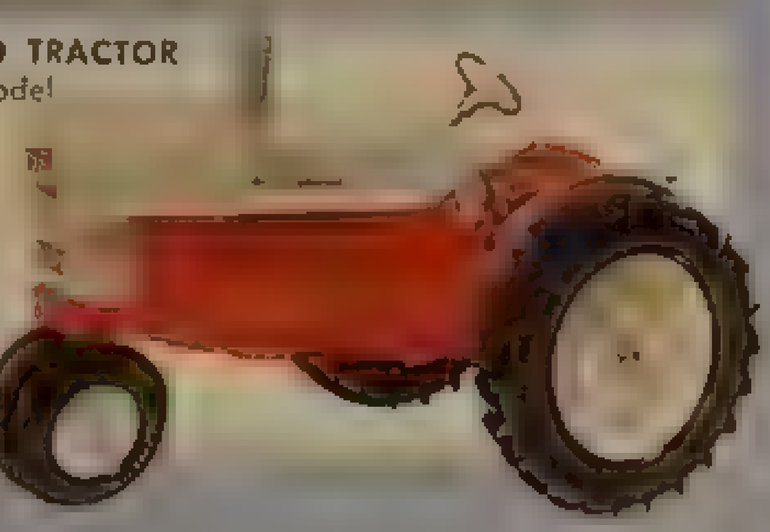
901 POWER SHOVEL Cab rotates 360° and shovel rolls on rubber treads. 15 in. long. Individually packed in colorful, corrugated box. ½ doz. per ctn.; wt. 18 lbs. Suggested list price $2.98

903 BULLDOZER

Scraper blade raises and lowers. Deep rubber treads. 8¾ in. long. Individually packaged in colorful corrugated box. ½ doz. boxes per ctn.; wt. 15 lbs. Suggested list price $2.98

508 FORD 4000 TRACTOR

Authentic scale model of the new Ford 4000 Tractor. Length 11 in. Individually boxed; ½ doz. per ctn.; wt. 20 lbs. Suggested list price $3.98



509 FORD 6000 TRACTOR

Authentic scale model of the Ford 6000 Tractor, Length 12 in. Packed 1 in a colorful corrugated display box. ½ doz. per ctn.; wt. 30 lbs. Suggested list price $5.98

Years ago, toys were made by hand. And a lot of pride—and love—went into the hours spent making them.

Today, Nylint craftsmen still make toys with that special devotion. After all, toys are for children.

Safety-play edges are a Nylint innovation. (The steel edges are hemmed—rolled and tucked away—or dulled, safe for tiny fingers.) All windshields are shatterproof. And paint is durable, non-toxic baked-on enamel.

It takes a little longer to make a Nylint toy, but like earlier generations, we think a child deserves the safest, sturdiest, finest quality toy we can make. Nylint steel toys. Made with pride for you to give with love.

NYLINT

America's Finest Steel Toys

1211 Aerial Hook-n-Ladder

Look for Nylint's ee... in your favo... toy ca... and toy dea... t...
Nylint Corporation, 1800 Sixteenth Avenue, Rock... ois 6110...

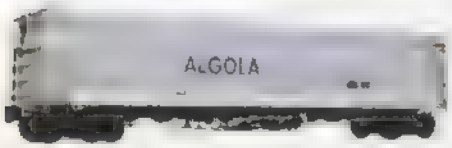
The Sunshine Family

Welcome to The

Say hello to
The Sunshine Family.
A unique
family of dolls
whose world
your children
can share-
and create.

Portec builds Coal Cars

- ☑ **High-Side Gondolas**
- ☑ **Aluminum Light-weight Gondolas**
- ☑ **Triple or Quad Open-Top Hoppers**
- ☑ **Fast Unloading Cars**



At Portec, the choice is yours. You specify the type of coal car that will best fit your requirements. Portec will design and build it to the most stringent engineering and quality control standards in the industry.

Whether you are in the design stages for a new facility or expanding an existing fleet, Portec will fit the car to your unique facility for improved turnaround and increased productivity.

High-Side Gondolas
Available in standard 100 ton steel or in lightweight high capacity configurations. Portec also manufactures an aluminum coal car which allows you to carry 111 tons of coal per car while staying within mandatory gross rail loads.

Open-Top Hopper Cars
Available in 3 or 4 pocket designs in capacities ranging from 3400 to 4000 cubic feet. Equipped for either bottom or rotary dump unloading.

Fast Unloading Automated Cars
Available in 3, 4 or 5 pocket designs, these cars will unload in 8 seconds. Capacity from 3200 to 5700 cubic feet. Doors may be activated by a third rail pickup shoe, car side plug-in or remote radio control.

Contact Portec today for additional information on purchasing or leasing limited or large quantities of quality built cars.

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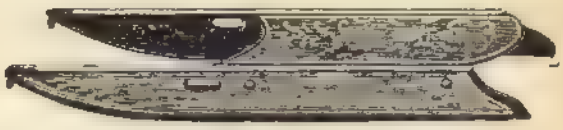
PORTEC
Railcar Division

Children's Sleighs

"Prince" Sled, made of hardwood, runners finished on natural wood, red painted seat board with scroll ornament. Shod with flat iron. Size 10 x 28 inches. ½ doz. in crate.....Doz. $4 50



"Victor Coaster, made of hardwood, body finished in natural wood, seat board painted red with ornamental decorations. Shod with round shoes. Size 10 x 32 inches. ½ doz. in crate.....Doz. $9 00

"Bob," Same style as Prince, but larger size, being 32 inches long and 10 inches wide. ½ doz. in crate.....Doz. 6 00

"Arrow" Coaster, made of hardwood, finished in natural wood, has seat board painted red, and has printed ornaments, four hand holes, shod with round spring steel. Size 11 x 36 inches. ½ doz. in crate.....Doz. 12 00

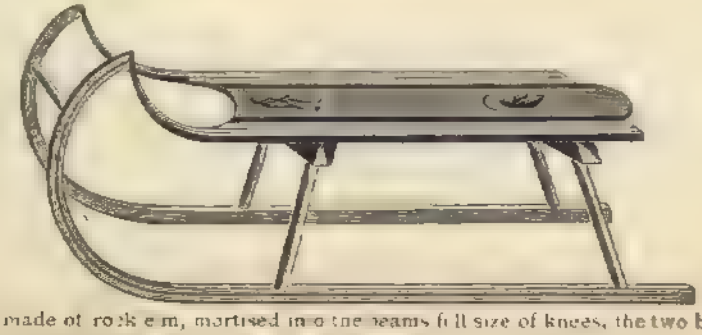
Racer. $16 00 doz.

"Racer" Coaster, made of hardwood, fancy turned side rails and heavy round spring shoes, hand painted and scroll decorated top. Size 15 x 44 inches. ½ doz. in crate. .....Doz. 16 00

"King" Fancy Top Coaster, made of hardwood, finished on the natural wood and shod with round spring steel, the seat board is finely decorated by hand with flowers and scrolls in assorted colors. Size 11 x 42 inches, ½ doz. in crate.....Doz 18 00

702. Two Bent Knees, made of rock elm, mortised into the beams full size of knees, finished in natural wood, red painted seat board with assorted decorations, and has flat shoes. ½ doz. in crate. .....Doz. 8 00

703. As 702, but size is 33 x 12 inches ½ doz. in crate.....Doz. 9 00

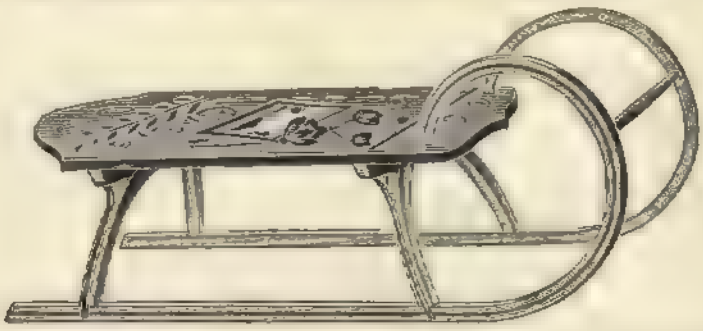


700. Round Post Knees made of rock elm, mortised into the beams full size of knees, the two benches stand bracing, gear finished in natural wood and has flat shoes, red painted seat board with assorted ornamental decorations. Size 30 x 11 inches, ½ doz. in crate.....Doz. 7 00

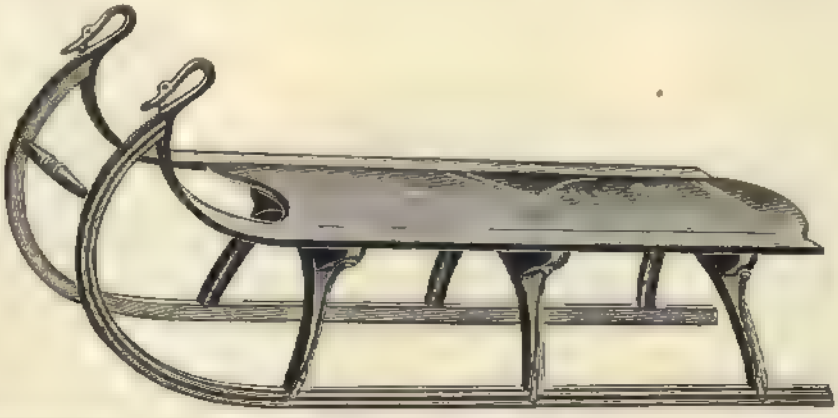
Where package quantity is mentioned we cannot supply smaller lot

Children's Sleighs

704. Bent knees, made of rock elm, gear painted red and striped, is braced with four tinned braces, seat board decorations of hand-painted flowers and scrolls, flat shoes, size 12½ x 33 in., ⅓ doz. in crate.....Doz. $12 00

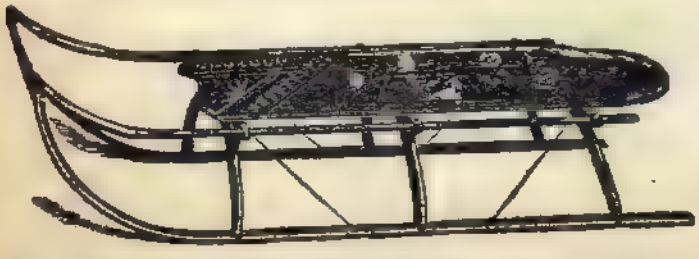


706. Bow runners securely fastened to the raves, bent knees made of rock elm and braced with four tinned braces, seat board decorated with hand-painted flowers and landscapes, runners shod with half oval iron, 13 x 35 in., ⅙ doz. in crate.....Doz. 18 00



606. A large size, three benches, bent knees, made of rock elm, is shod with flat iron, and has tinned swan necks. The gear is finished on the natural wood and the seat board has printed ornaments. Size 12½ x 38 in., ⅙ doz. in crate.....Doz. 18 00

708. As 606, but gear is painted red, has six tinned braces, and seat board is handsomely ornamented in assorted design as shown in cut, ⅙ doz. in crate.....Doz. 20 00



Oak Fender Sleighs. These are made only of selected Oak, with the highest grade of natural wood finish. They are light and graceful, still strong and serviceable, being well braced. They have no raves, but have round fenders, and are shod with half oval iron. The decorations are hand-painted flowers and landscapes.

707. Size 10½ x 32 in., 6 tinned knee braces, ⅙ doz. in crate.....Doz. $20 40

709. Size 12 x 35 in., 6 tinned knee braces and four side braces, as illustrated in cut, ⅙ doz. in crate.....Doz. 26 40

710. As 709, but is 13 x 39 in., ⅙ doz. in crate.....Doz. 32 40

Alarm Clocks

102. Plain nickel case, loud sounding alarm with stop attachment, dial 4 inches diameter, each in box.....Doz. **$13.20**

108. Nickel case, single alarm with stop lever, 7 inches high, with 4 inch dial, each in box ....Doz. **$18.00**
489/30. Same as No. 108, but better quality movement, each in box. Doz. **$20.40**

"Standard," nickel case, 4½ in. dial with large Arabic figures. A fine quality movement and loud alarm, each in box. ....Doz. **$21.60**

489/73. Luminous Dial, (shows time in dark), nickel case, single alarm, with stop lever, 7 inches high, dial 4 inches, each in box..... .... Doz. **$21.60**

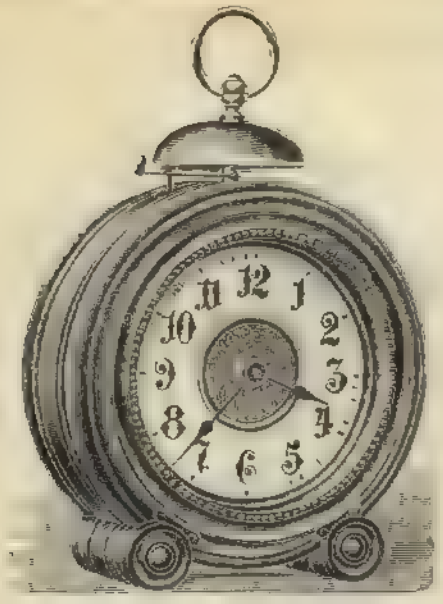
489/100. Repeating Alarm, fancy embossed brass case and polished brass gong, bevelled glass dial 4 in. diameter, second hand, alarm repeats at intervals of one minute for five minutes..Doz. **$26.40**

"Alternator." Same as Standard but alarm rings at intervals of half a minute for ten minutes or until turned off Doz. **$30 00**

489/103. Fancy Alarm, fine polished nickel case, with grey oxydized metal mounting, 4 inch fancy aluminum dial, alarm dial on back.....Doz. **$30.00**

489/104. Fancy Alarm, burnished copper finish case, double alarm gong ringing two tones, gilt bronze mounting, 4 inch dial, second hand....Doz. **$31.20**

489/22. Fancy Alarm, copper bronze case, gilt bronze trimming, has two gongs of different tones, making a novel alarm effect, stop lever, second hand, dial 4 in. diameter, each in box.....Doz. **$33.60**



489/61. **Fancy Alarm**, polished wood case, brass alarm, with stop lever, fancy dial, height 7½ inches, dial 4 inches in diameter, each in box ... Each $2.50

489/21. **Fancy Alarm**, polished wood case, polished brass dial frame and gong, fancy dial. Height of clock 9½ inches, dial 4 inches in diameter, each in box ... Each $3.40

489 72. **Fancy Double Alarm**, polished wood case and base, polished brass trimmings and two large brass finished gongs, fancy ivory finished dial. Entire height of clock 9½ inches, dial 4 inches ... Each $4.50

399 5. **Miniature Alarm**, nickel, fancy dial, 2¼ inches diameter, stop lever on gong, entire height 4 in. Each $2.50

399/9. **Miniature Alarm**, polished wood case, gilt alarm and shamrock leaf ornaments, 2¼ inches dial, entire height 5¼ inches ... Each $4.20

Musical Alarm

Playing Two Airs

252,4. Finely polished nickel body, with embossed gilt front, glass sides a good time keeper, second hand and alarm, dial on face plays two airs lasting about fifteen minutes each ... Each $5.00

Goo-Goo Owl Time Clock

489 108. Mahogany polished case with grey oxidized metal owl front, 2¼ inch fancy dial. The owl makes goo-goo eyes continuously when the clock is going. Entire height 6½ inches. Each $6.00

Where Package Quantity is Mentioned we cannot Supply smaller lot

Fancy Mantel Alarms

489 105. Polished nickel case with bevelled glass front and glass sides, alarm gong in base, 3 inch fancy dial. . . . . Each $4 00

489 113. Walnut case in hand polish finish, fancy dial 4 inch diameter, alarm gong concealed in base. Size 11¼ inches high, 7¾ inches wide. . Each $6 00

489 111. Old Dutch design mahogany case, fancy front, fancy aluminum dial 3 inch diameter, beveled glass door front with burnished copper finish frame. Alarm gong concealed in back. Entire height 13 in. . . Each $4 80

489 112. Antique design, polished mahogany case with fancy design embossed in gold, fancy ivory finish dial, 4 inch diameter. Alarm gong concealed in base. Size 10 inches high, 7 inches wide. . . . . Each $5 50

Bohemian Glass Water Sets

All Six Tumbler Sets

No. 27/12A. $1.14 per set.

27/12A. Crystal, three pint jug, medium size taper shape tumblers, enamelled lace decoration with gold bands and gold edges, extra special value, each set in pkg..... ....Each $1.14

27 12B. As above, but with enamelled flower decoration, each set in pkg. . . . . Each $1 14

599/2. Marine Blue, with optic panels, full size jug, enamelled and gold decoration, with drop flower pendants, fully decorated tumblers to match, each set in pkg..... .Each $1.30

27 13. Emerald Green, decorated with gold band at top, and flower and figure design in white enamel, full size jug, fully decorated tumblers to match, each set in pkg.....Each $1.30

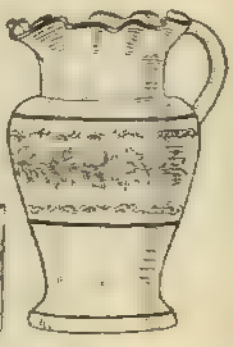
No. 599/2. $1 30 per set.

D1,10. Special Assortment—All Six Tumbler Sets

Crystal optic, gold band.

Marine blue, optic, gold band.

Moss green, white enamelled figures



Crystal optic, frosted band.

Crystal optic, frosted band.

D10. Assortment, consisting of ten seven-piece water sets, as illustrated, in assorted shapes, assorted colors, and assorted decorations, all jugs full size, and have ground out bottoms, which is a great improvement on the usual rough finish found on similar goods. All tumblers are melted edge, full size straight shape table tumbler. All jugs and tumblers with gold edges. Retail values range from $1.00 to $2.25 per set.

Per assortment (10 sets) $18.00

WATER SET TRAYS

13 inch fancy embossed tin .... Doz. $1.80

700/13. Nickel, engraved design, 13 inch ...

....Doz. 1.60

Frosted pink tint, enamelled flowers.

Blue optic, gold band.

Emerald green enamelled old mill.

Frosted green tint, enamelled flowers

Ruby tinted, optic, enamelled flowers.

Bohemian Glass Lemonade Sets

All Six Tumbler Sets

D231 165. Tall Tankard Jug, 11 inches high, crystal body one wide and two narrow gold bands, conventional floral decoration in enamelled colors and gold, six straight shape melted edge tumblers, decorated to match. Each set in pkg..... .....Per set **$1.80**

D231 166. Tall Tankard Jug, 11 inches high, crystal body frosted centre, with green band above and below, with enamelled nasturtium decoration, six decorated tumblers to match. Each set in pkg.....Per set **$3.00**

D231 167. Crystal body, ruby tinted from top towards centre, enamelled white lily decoration, six decorated tumblers to match, height of jug 11 ½ inches. Each in pkg.. .. .. Per set **$3.00**

D231 168. Tankard Jug, 11 inches high, frosted green body, heavy gold flower decoration outlined in white enamel, six decorated tumblers to match. Each set in pkg . . . Per set **$3.50**

D231 169 Tall Tankard Jug, 13 inches high, crystal body, one wide and three narrow gold bands, forming panel, decorated with flowers in blue enamel and gold, six fancy tall shape tumblers to match. Each set in pkg. Per set **$3.00**

D231,170. Extra Tall Tankard Jug, 15 inches high, moss green body, decorated with old wind mill scene in enamelled colors, six tall shape tumblers to match. Each set in pkg . Doz. **$3.50**

Bohemian Glass Table Sets

Each Set containing Covered Sugar Bowl, Cream Jug, Butter Dish and Spoon Holder

231 118 123 **Assortment,** six sets, 1 crystal and 1 green set with gold band and lace decoration as illustrated. 1 moss green, 1 ruby lustre and 1 irridiscent lustre, all with floral decorations and 1 frosted pink tint, with very rich raised flower decoration . ...Per assortment (6 sets) **$13.20**

To retail at $1.25 to $2.25 each.

Bohemian Decorated Wine Sets

No. 340,10. $13.00 doz. sets

340/10. Crystal, decorated with red and gold bands, gold line and blue enamel lace work, decanter with ground stopper, 9½ inches high tray 8¼ inches diameter, six tumbler-shape glasses, each set in pkg. . . . . Doz. sets $13 00

D231/171 As above, but decorated with wide frosted pink bands, blue and white enamel, and gold flower design, each set in pkg. . . . . Doz. sets 14 40

340/11. Decanter, 9½ inches high, with ground stopper and handle, tray 8¼ inches diameter, decorated with gold bands and red and white enamel work, six stem glasses, each set in pkg . . . . . Doz. sets $16 00

D231/172. Decanter with handle, 8½ inches high, ground stopper, colored flower design on wide gold band, two red lines, blue and white enamel lace work, six stem glasses, tray 8¼ inches, each set in pkg . . . . . Doz. sets. $18 00

No. 231 152. $30.00 doz sets.

231 152. Large size wine set, decanter with handle, 12 inches high, stem glasses 4½ inches high, rich decoration in gold with enamelled flowers in "V" shaped panels, each set in pkg . . . . . Doz. sets $30 00

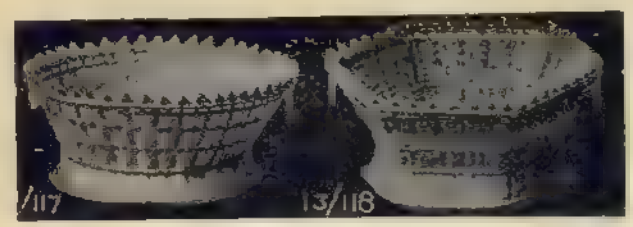
231/151. Frosted pink tint, with very rich flower decoration in gold and colors, with enamelled fern sprays, decanter 10¼ inches high, stem glasses 10 inches high, each set in pkg. . . . . Doz. sets. 32 40

Trade Discount on all Prices in this Catalogue. Terms: 5 30 days

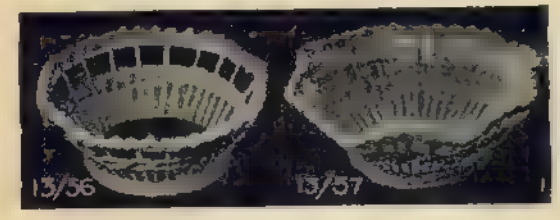
Work Baskets

Fancy Straw and Willow Splint

403/68. **Assorted,** 5 kinds, average size 11 x 7 inches, extra special value, ⅓ doz. assorted shapes and colors in pkg.....Doz. **$2 50**



13/301. **Assorted,** six shapes and assorted colors, average size 9 x 12 inches, ½ doz. assorted in pkg. Doz. **$1 00**

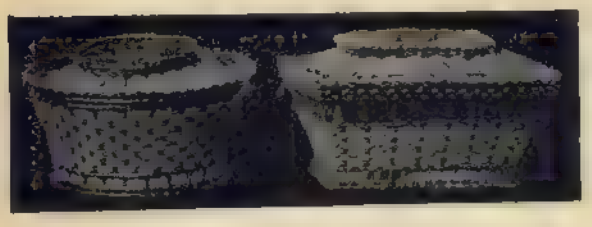


No. 13/203. $4.00 dozen. No. 13/204. $8.00 dozen

13/203. **Assorted, with lining,** 3 shapes, ribbon sides, padded satin bottom lining in assorted colors, average size about 10 x 7 inches, ⅓ doz. assorted in pkg.....Doz. 4 00

13/204. **Assorted, with lining,** large sizes, ribbon sides and padded satin bottom in assorted colors, ¼ doz. assorted in pkg.....Doz. 8 00

Covered Work Baskets



13/302. $8.00 dozen. 13/303. $8.00 dozen.

13/302. Round shape, with ring handles, hinge cover, diameter 10½ inches, height 6 inches, assorted colors, ¼ doz. in pkg.....Doz. 8 00

13/304. Square shape, with ring handles and hinge cover, size 8¾ x 8½ x 6 inches, assorted colors, ¼ doz. in pkg.....Doz. 8 00

13/303. Oblong shape, with ring handles and hinge cover, size 10 x 7½ x 6 inches, assorted colors, ¼ doz. assorted in pkg.....Doz. 8 00

Whisk Holders

13/403. $1.80 dozen. 13/309 $3.60 dozen. 13/308. $3.20 dozen.

13/403. Wicker frame with fancy scroll back, covered with raffian grass, ⅓ doz. in pkg.....Doz. **$1 80**

13/309. Fine straw weave, assorted fancy colored bands around centre, size 10 x 4½ inches, ½ doz. in pkg. .....Doz. 3 60

13/308. Fine straw weave, assorted fancy colored bands through centre, size 7 x 4½ inches, ½ doz. in pkg.....Doz. 8 20

Wall Pocket

13/312 Same style as Whisk Holder 13/403, size 10½ x 5½ inches, ½ doz in pkg .. ..Doz. 2 50

Flower Baskets

13/326. **Nested Flower Basket,** 3 sizes in nest, size of largest 10 x 7 inches, high handles, each nest packed separately.....Doz. nests **$6 40**

Japanese Cat Baskets

For Fancy Work

1034/5. 2½ inch diameter....per 100 3 60

1034/4. 3¼ inch diameter....per 100 4 00

Wicker Baby Rattle

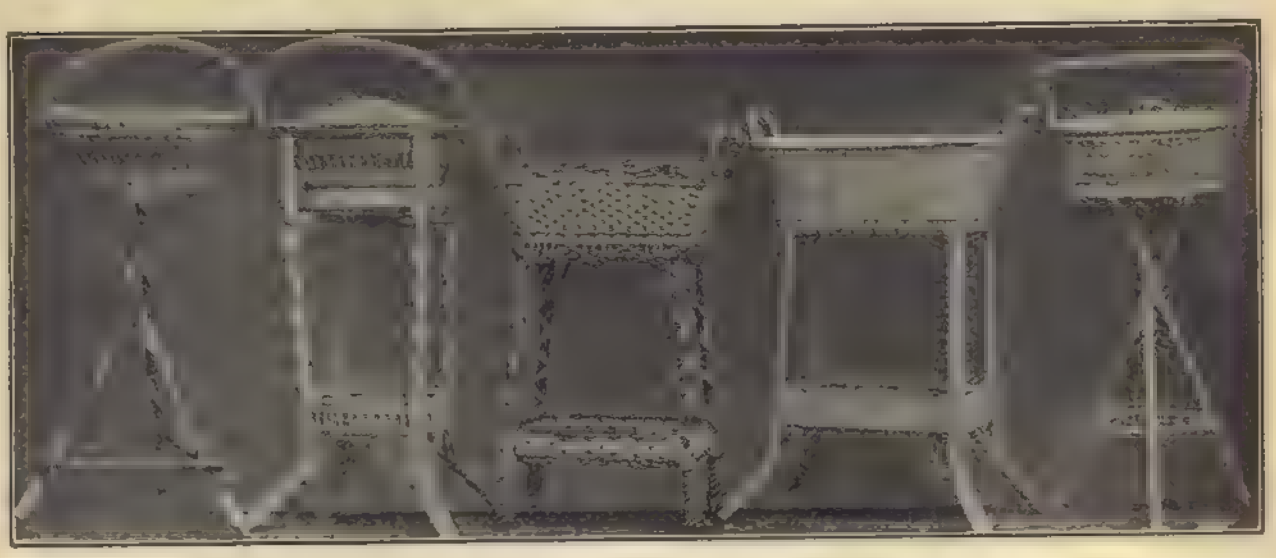
13/334 Wicker Rattle, with ring on handle, length 8 inches, 1 doz. in pkg. . . ..Doz. **$0.70**

Straw Cuffs

Japanese made straw cuffs in assorted sizes, doz. pairs in pkg., Doz. pairs **$0.80**

Work Baskets on Stands

Nos. 13/277 and 13/279 are fine weave white straw. All other lines come in colors with predominating color, red, green, orange or brown. Average height about 30 inches.



13/270. Round, 13 in. top, with handle, tripod stand.. . .. . Each **$1.90**

13/277. Oval, 18 in. basket with cover, separate stand, top handle and tray in bottom....Each **$5.20**

13/272. Oblong, size 15 x 10 in., open, with end handles and bottom tray.....Each **$3.30**

13/279. Oblong, size 18 x 10 in., fine white weave, end handles and tray in bottom....Each **$4.50**

13/271. Hexagon shape, 12 in., with cover and top handle, on tripod stand.. . .....Each **$2.30**

13/274. Oblong, size 17 x 10 in., end handles, cover and tray in bottom . . .. Each **$4.20**

13/273. Square, size 11 x 11 in., with cover and top handle, tray in bottom.. .... Each **$3.80**

13/275. Oblong, size 17 x 10 in., covered, with bottom tray, end handles, tray on cover.. ..... . Each **$4.20**

13/276. Oblong, with bevelled corners, end handles and tray on bottom and on cover. .. ..Each **$4.50**

13/278. Oblong, size 17 x 11 in., cover, end handles and divided rack in bottom.. .. .. Each **$5.50**

Where Package Quantity is Mentioned we cannot Supply smaller lot

Fancy Waste Paper Baskets

13,199. **Assorted.** Five kinds, assorted square and round shapes, assorted colorings, average height 10 inches.. Doz. $4.00

13,200. **Assorted.** Six kinds, assorted round, square and hexagon shapes, in assorted fancy colorings, average height 12 inches..... Doz. $8.00

13,201. **Assorted.** Six kinds, assorted, round, square and hexagon shapes, in assorted fancy colorings, average height 13 inches ..... Doz. $12.00

13,202. **Assorted.** Six kinds, assorted round, hexagon and octagon shapes, in assorted fancy colorings, average height 14 inches..... Doz. $16.80

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Rich Cut Glass

0106/11—Round Nappy, 5 inch size, flat shape, Clare pattern ..... Each $2 40

0106/10—Round Nappy, 6-inch. Highland pattern ..... Each $3 60

0106/16—Spoon Tray, size 7½x3½ inches, rolled sides. Edna pattern ..... Each 6 50

0106/14 Olive Tray, size 8½x5¼ inches. Rosewood pattern ..... Each 5 00

0106/13—Bon Bon, diamond shape, size 6x4¼ inches. Sterling pattern ..... Each 4 50

0106/15—Celery Tray, size 11½x4 inches. Rosewood pattern ..... Each 7 00

0106/20—Sugar and Cream, height 2½ inches, low shape with open Sugar. Bridgeport pattern ..... Pair $7 20

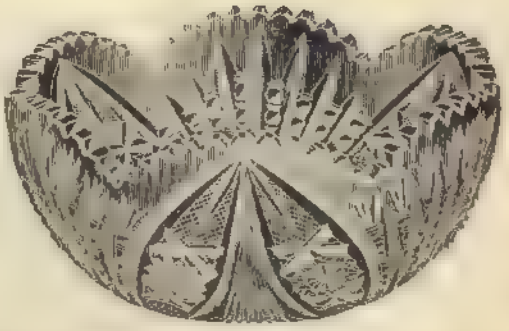
0106/35—Tall Flower Vase, extra heavy stem and foot, height 10 inches. Peru pattern ..... Each $7 50

0106/36—As above but 8 inches in height ..... Each 5 50

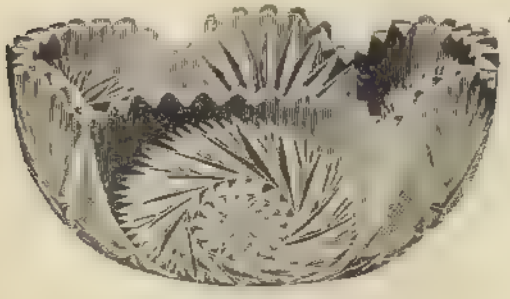
0106/21—Sugar and Cream, Footed shape, height 3½ inches. Walton pattern ..... Pair 12 50

Rich Cut Glass

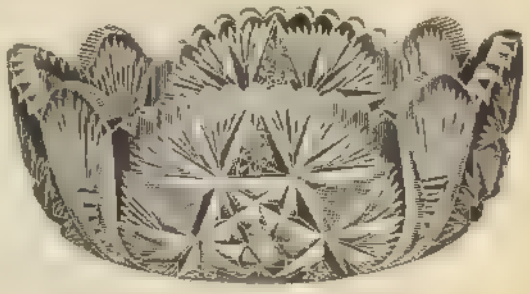
0106/2—Berry Bowl, 8-inch size, deep shape.
Highland pattern.....Each $6 50



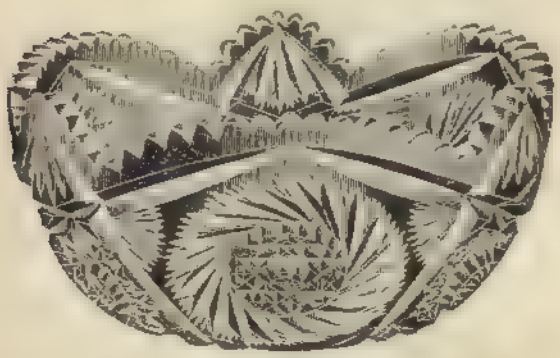
0106/1—Berry Bowl, 8-inch size, deep shape.
Eden pattern.....Each $7 50



0106/3—Berry Bowl, 8-inch size, deep shape.
Melrose pattern.....Each 9 00



0106/4—Berry Bowl, large 8-inch size, flat shape with upright sides. Clayton pattern.....Each 14 50



0106/6—Salad Bowl, 9-inch size, deep shape.
Lorraine pattern.....Each 17 00

0106/7—Salad Bowl, 9-inch size, fancy flared shape. Bridgeton pattern.....Each 20 50

0106/8—Handled Bon Bon, 6-inch size, heavy handle. Clare pattern.....Each 3 20

0106/9—Handled Bon Bon, 6-inch size, heavy handle. Whirlwind pattern.....Each 5 40

Rich Cut Glass

0106/39—**Tumbler,** height 3¾ inches, Tyrrell pattern .. .. Doz. $21 60

0105 27 — **Tumbler,** heavy weight, height 4 inches, Comet pattern ... .Doz $26 40

0106 18 **Oil or Vinegar Bottle,** 6 oz. capacity, Wilmot pattern, cut neck and stopper, star bottom, height 5 ½ inches ... Each $5 00

0106/17—**Footed Comport,** 7 inches diameter, 6½ inches high, heavy foot and stem, Whirlwind pattern....Each $15 00

0106/37 **Water Bottle,** globe shape, height 8¼ inches, Tyrrell pattern..... ....Each $7 20

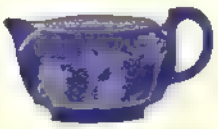
0106 26—**Water Bottle,** low shape, height 7¼ ins., Jordan pattern. Each $7 20

0106/22 - **Water Jug,** height 7 inches, Gallord pattern .....Each $12 00

0106 23 — **Water Jug,** height 7¼ inches, Clayton pattern.....Each $14 50

0106/24 **Tankard,** height 11 inches, Madrid pattern .....Each $18 00

Dark Blue "Wedgwood" Ware



No. 146, Creams

36s. Height 2 in..each $1 20
30s. " 2½ in.. " 1 50
24s. " 2½ in.. " 1 80

No. 146, Teapots

36s Height 3¾ in..each $1 80
30s. " 4¼ in . " 2 20
24s. " 4¾ in.. " 2 70

No. 146, Sugar Bowls

36s. Height 3 in..each $1 40
30s. " 3¾ in.. " 1 80
24s. " 4¼ in. " 2 20

Chocolate Pots

30s. Height 6½ in. each $2 40
24s. " 7½ in. " 2 80
12s. " 8¼ in " 3 20

"St. Louis" Creams

36s. Height 2 in..each $1 20
30s. " 2¼ in.. " 1 50
24s " 2½ in " 1 80

"St. Louis" Teapots

36s. Height 3¾ in..each $1 80
30s. " 4¼ in.. " 2 20
24s. " 4¾ in . " 2 70

"St. Louis" Sugar Bowls

36s. Height 3½ in each $1 40
30s. " 3¾ in.. " 1 80
24s. " 4¼ in.. " 2 20

Cup and Saucer

Tea size cup and saucer
each $1 80

"Upright" Jugs

12s. Height 7¾ in..each $2 20
24s. " 6½ in.. " 1 40
30s. " 5½ in . " 1 20
36s. " 4½ in . " 1 10
48s. " 3¾ in.. " 70

"Etruscan" Jugs

12s. Height 8 in .each $2 30
24s. " 7¾ in.. " 1 60
30s. " 6 in.. " 1 40
42s " 4¾ in.. " 1 10

"Orange" Jugs

24s. Height 5½ in each $1 60
30s. " 5¼ in " 1 40
36s. " 5 in " 1 20
42s. " 4½ in " 1 10
48s. " 3¾ in " 1 00

Hot Water Jug

24s. Height, 7 in.. each $2.50

Marmalade Jar

Marmalade Jar, covered, 6 in. high, with plate 6 in. diameter..each $3 50

Biscuit Jars

S. Height 6½ in.. each $3 40
L. " 8 in. " 5 50

Cheese Dish

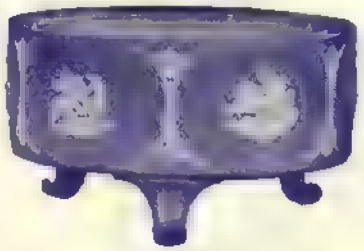
4. Diameter 9½ in., height 4 in. each $5 00

No. 317, Flower Pot

317/6. Diameter 6 in each $2 20
317 7. " 7 in. " 3 00
317 8 " 8 in.. " 3 80
317 9 " 9 in . " 5 00
317,10. " 10 in " 6 50

"Imperial" Flower Pots

6. Diameter 6 in . each $2 80
7. " 7 in .3 40
8. " 8 in . " 4 20
9 " 9 in . " 6 00



Fern Dish (with lining)

7. Diameter 7 in. . each $6 00
8. " 8 in . . " 7 00

Comb and Brush Tray

S.0. Oval shape, size 9½ x 6¾ inches.....each $2 30

Dark Blue "Wedgwood" Ware

With Dominion Coat of Arms and Maple Leaf Garland in White Bas-relief

Creams

401/308. Height 2 in. . . . each $1 20

401/307. Height 2 ¼ in. . . . each 1 40

401/303. Height 2½ in. . . . each 1 70

Teapots

401/302. Height 4 in. each $2 00

401/301. " 4¼ in. " 2 20

401/300. " 4⅜ in. " 2 70

Covered Sugars

401/305. Height 3½ in. . . . . each $1 40

401/304. Height 4 in. . . . . each 1 70

401/303. Height 4¼ in. . . . . each 2 20

Tankard Jugs

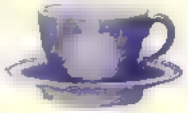
401/310. Height 4 in. each $1 00

401/311. Height 4½ in. . . . . each 1 34

401/311a.30s. Height 6½ in. . . . . each 1 60

Sugar and Cream

401/309. Open Sugar, 2½ in. high; Cream 2⅜ in. high, per set $2 20



Cup and Saucer

401/329. A.D. Cup and Saucer. . . . . each $2 00

"Orange" Jugs

401/312. Height 4½ in. . . . . each $1 34

Heart-shaped Tray

401/326. Size 4¾x3½ in. . . . . each $0 80

Ash Tray

401/325. Round shape, 4½ in. diameter, with cigar rests in rim . . . . . each $1 00

Match Box

401/319. Oval Match Box. each $1 00

Heart-shaped Box

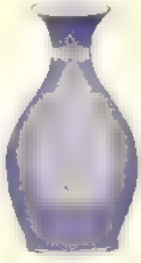
401/321. Heart-shaped Box . . . . . each $1 40

Toothpick

401/316. Toothpick . . each $0 80

Tumbler

401/327. Height 4½ in. each $1 70



Vase

401/328. Vase. Height 5 in. . . . . each $1 00

Candlestick

401/314. Height 4 in. each $2 20

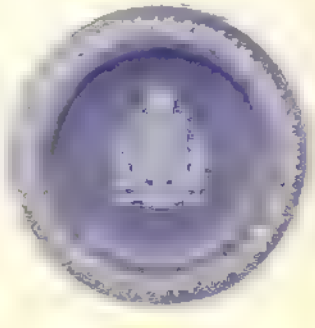
401/315. Height 5 in. each 2 50

Hair Receiver

401/323. Size 8½x3 in. . . each $2 00

Tobacco Jar

401/317. Tobacco Jar. . . . each $3 50



Plate

401/320. Plate, B and B, size, 6¼ in. diameter . . . . . each $2 00

Fern Pot

401/313. Diameter 4 in. . . . . each $2 00

Puff Box

401/324. Size 3¼x3 in. . . each 2 00

Brown Scotch Ware

(ASSORTED SCOTCH MOTTOES)

397 1	Teapot, 12s assorted shapes	Doz	$5 50	397 16.	Milk Pail, with handle	Doz.	$8 00
397 2	Kettle, with handle	"	7 50	397 17	Tobacco Jar, "Barrel" shape	"	8 00
397 3.	Tobacco Jar, "Harden" shape	"	8 00	397 18.	Cream Jug 30s	"	7 50
397 4	Vase, "Urn" shape	"	7 50	397 19	Cup and Saucer	"	4 00
397 5	Tobacco Jar, "Canada"	"	8 00	397/20.	Cream Jug, 36s	"	6 50
397 6.	Cream Jug		4 00	397 21	Mug, with handle	"	4 00
397 7.	Porridge Bowl, "Globe," large size	"	4 50	397/22.	Porridge Bowl, "Welsh Hat" shape, large size	"	4 80
397 8.	Cup and Saucer, "Bute"	"	4 00	397 23.	Drinking Horn, double handle	"	4 00
397 9.	Teapot, 36s, assorted shapes	"	7 00	397 24	Fern Pot crimped top	"	4 00
397 10.	Sugar, two handles	"	4 00	397 25	Teapot, 21s	"	9 00
397 11.	Cream Jug, 42s	"	5 50	397 26	Open Sugar	"	4 00
397 13.	Teapot 30s assorted shapes	"	7 00	397,27.	Drinking Horn, two handles	"	4 00
397 14.	Porridge Bowl, "Globe" small size	"	4 00				
397 15	Tumbler	"	4 00				

Scotch Ware is packed loose and can be sold in any quantity desired.

Pratt's "Old Greek" Ware

Dull black finish, with Greek Figure decoration in white and shaded tint. Greek pattern border, with two gold lines around base and on top. Gold edges and gold on handles and knobs

Creams

42s Height 3½ in. each $1 10
36s " 3¾ in. " 1 15
30s " 4 in. " 1 25

Sugars

42s. Height 4¼ in. each $1 70
36s. " 4½ in. " 1 70
30s. " 5½ in. " 2 00

Teapots

36s. Height 5 in. each $1 70
30s. " 5½ in. " 2 00
24s. " 6 in. " 2 30

Upright Jugs

485. Height 3¼ in. each $1 10
36s. " 4½ in " 1 40
30s. " 5 in.. " 1 60
24s. " 5¾ in.. " 1 80
12s. " 6½ in.. " 2 30

Tobacco Jar

Height 5½ in., diameter 4¼ in., white enamel inside, pressure cover ..... each $2 30

Marmalade

Height 4¼ in, diameter 4¼ in..... ....each $2 00

Biscuit Jar

Same design as Marmalade, height 6½ in., diameter 6 in..... each 4 00

Butter Dish

With plate attached, size 6 x 4¼ in..... each $3 00

Slop Bowl

36s. Size 5 in. diameter .... each $1 40

Plates

Tea size, 7¼ in. diameter.....each $0 90
Cake Plate, 9½ in. diameter " 1 35

Coffee Pot

18s. Height 8¼ in ... .each $3 30

Jardinieres

Diameter 6 in., Height 6½ in each $5 00
" 7 in., " 7½ in " 6 50

Cup and Saucer

Low shape, tea size cup and saucer, fully decorated saucer ... .. .each $1 40

Ash Tray

Ash Tray, round shape, 4¼ in. diameter, with cigar rests to rim .. . each $0 90
Pin Tray, square shape, size 4½ in. .. . . each 0 90

Pin Tray

Flat Candlestick

Flat Candlestick, diameter 5½ in .... each $1 80
Pillar Candlestick height 5 in ....each 2 00

Pillar

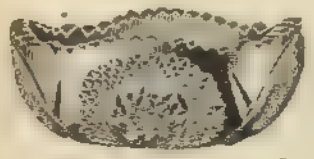
"Nearcut Glass"

This is the imitation of Cut Glass that received the Highest Premium Award at St. Louis in 1904.

Just Like Cut—Heavy in Weight and Clear as Crystal.

The following illustrations are faithful representations of the "Nearcut" Line, but a sample of the goods should be seen to appreciate the splendid imitation of Cut Glass obtained in this pattern.

All lines carried in open stock.

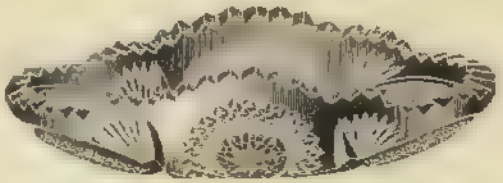


1. Nappy, 4½ inch..Doz $1.40

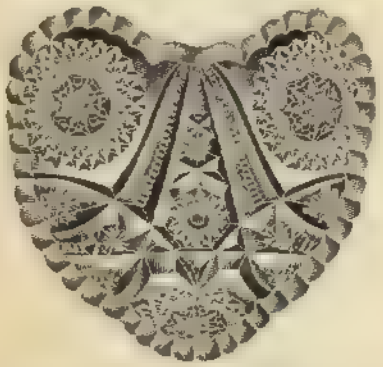
2. Oval Dish, 6 inch..... Doz. $1 60

3. Ice Cream Saucer, 5½ inch.... Doz. $1 50

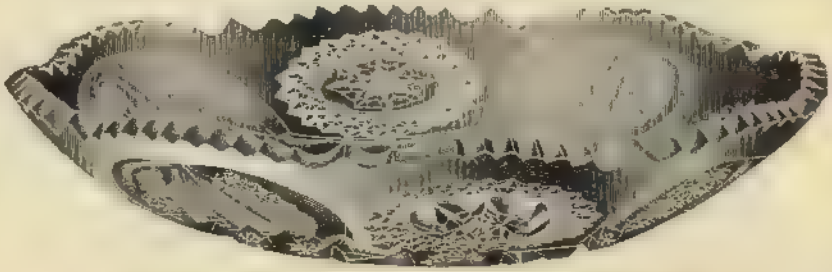
15. Handled Nappy 5 inch ...Doz. $3 00



14. Olive Tray, 8 inch.... .....Doz. $3 60



17. Heart Tray, 6 inch ....Doz. $2 40



8 Cabaret, 10 inch.. .Doz. $8 00

9. Cabaret, 12 inch..... ..Doz. 12 00

5 Berry Bowl, 8 inch, round shape Doz. $6 50

6. Salad Bowl, 9 inch, round shape .. Doz. $10 00

7 Salad or Fruit Dish, 9 inch, square shape, ...Doz. $11 00

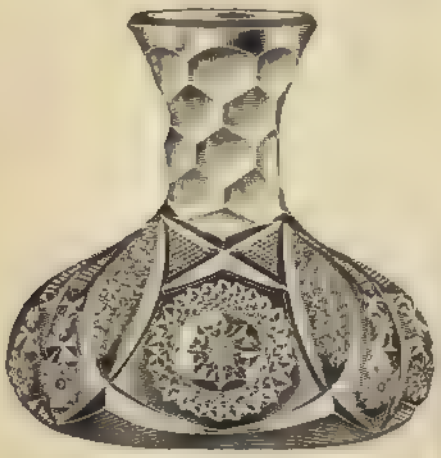
13. Celery Tray, 12 inch.. .... Doz $6 50

"Nearcut" Glass

All lines carried in open stock

26. Berry, Sugar and Cream, with cut and polished bottoms. . . . . Doz. sets $5 50
22 Individual Sugar and Cream, as above but individual size. . . . . " 3 50

18. Table Set, four pieces, butter dish, sugar bowl, spoon holder and cream jug Per set $1 40



19 Water Bottle . Doz $10 80

12 Tumbler, polished bottom . . . . . Doz $1 80

11 Tankard Jug . . Doz. $12 00

23. Handled Biscuit Jar, low shape . . . . . Doz. $14 40

20. Vinegar Bottle Doz. $4 00

21. Syrup Jug, silver plated top . . . . . Doz. $7 20

"Nearcut" Glass

"Marjorie" Pattern—*Continued*

24—Footed Bowl, 9 inch size suitable for Fruit or Punch Bowl . . . . . Doz. $18 00

12 B Six Nearcut Tumblers, with polished bottoms, in fancy leatherette covered compartment box, with "Nearcut" display card . . . . . Per Box $1 20

25 Handled Custard or Punch Mug . . Doz. $1 80
27—Knife Rest . . . . . " 3 20

"Nearcut" Glass Assortments

Choice assortments of the best selling articles sold at a discount of over ten per cent. on open stock prices

"Marjorie" Nearcut Assortment

The Popular 1905 Pattern

		No.		
1½ doz.	Nappy, 4½ inch	1	$1 40	$2 10
½ "	Oval Dish, 6 inch	2	1 60	40
½ "	Ice Cream Saucer, 5½ inch	3	1 50	75
¼ "	Berry Bowl, 8 inch, belled	4	6 50	1 62
¼ "	" " round	5	6 50	1 62
¼ "	Salad Bowl 10 inch, round	6	10 00	2 50
⅛ "	" " square	7	11 00	1 84
⅛ "	Cabaret, 10 inch, round	8	7 20	1 20
⅛ "	" 12 inch, round	9	11 00	1 84
⅛ "	Tankard Water Jug	11	12 00	2 00
1 "	Tumblers, polished bottom	12	1 80	1 80
⅓ "	Celery Tray, 12 inch	13	6 50	1 08
⅓ "	Olive Tray, 8 inch	14	3 60	60
½ "	Handled Nappy, 5½ inch	15	3 00	1 50
½ "	Berry, Sugar and Cream	16	5 50	2 75
¼ "	Heart Shape Tray	17	2 40	60
⅓ "	4 piece Table Set	18	16 80	2 80
				$27 00

Special Price if bought in assortment as above. $23.40 PER ASSORTMENT, less regular catalogue and cash discounts.

Order as "Marjorie" Assortment.

"Lotus" Nearcut Assortment

The New 1906 Pattern

		No.		
¼ doz.	Table Set	28	$15 60	$3 90
¼ "	Berry Bowl, 8 inch	30	6 50	1 62
¼ "	" " 9 inch	34	8 00	2 00
3 "	Nappies, 4½ inch	31	1 50	4 50
¼ "	Water Jug, Tankard	29	14 40	3 60
¼ "	" Bottle	35	10 80	2 70
3 "	Tumblers	33	1 80	5 40
¼ "	Footed Sugar and Cream	32	8 00	2 00

Making total at open stock prices $25 72

Special Price if bought in assortment as above. $23.00 PER ASSORTMENT, less regular catalogue and cash discounts.

Order as "Lotus" Assortment.

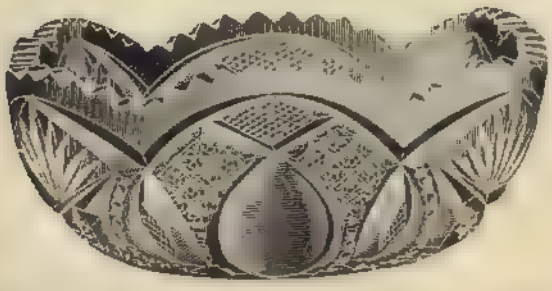
"Nearcut" Glass

New "Lotus" Pattern. Open Stock Lines

27. Footed Shape Sugar and Cream ..... Doz. sets $8 00

28. Four-piece Table Set ..... Per set $1 30

31. Fruit Nappy, 4½ inch ..... Doz $1 50



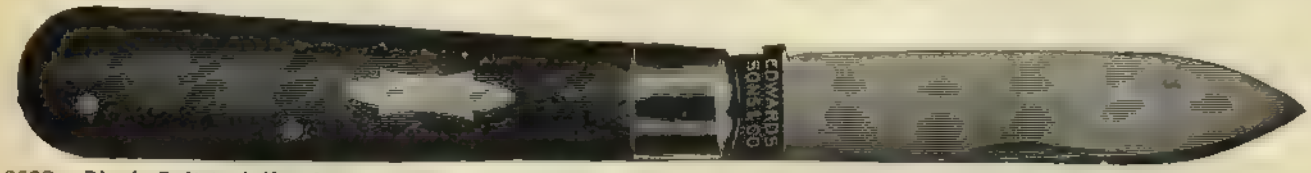
30 Berry Bowl, 8 inch ..... Doz. $6 50
34. Berry Bowl, 9 inch ..... Doz. 8 00
30 31. Berry Set, 7 pieces, 8 inch bowl and six nappies ..... Per set 1 30

33. Tumbler, cut and polished bottom ..... Doz. $ 1 80
29. Water Jug, tankard shape ..... " 4 40
29,33. Water Set, 7 pieces, tankard jug and six tumblers ..... Per set 2 10

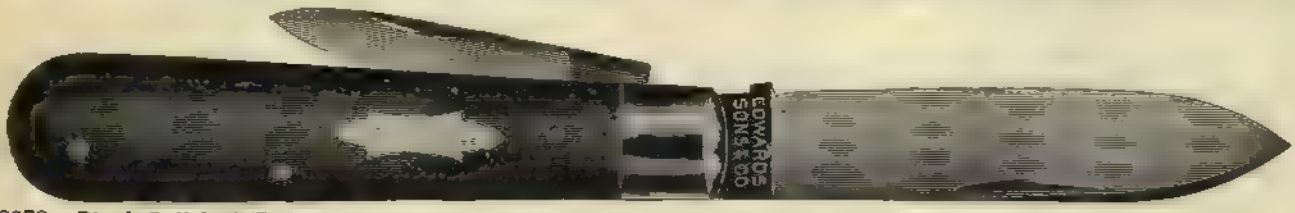
Popular Priced Jack Knives

71/33. **Stained Wood Handle,** one blade, brass capped, length closed 3⅛ in. 1 doz. in pkg..... Doz $1 60
6115. **Polished Wood Handle,** one blade, stamped "The Fisherman's Knife," with fish design, length closed 3⅛ in., ½ doz. in pkg..... Doz 2 00

6143. **Polished Hardwood Handle,** two blades, with brass shield, length closed 3½ in., ½ doz. in pkg. Doz 2 50



6002 **Black Polished Handle,** one blade and brass name plate, length closed 3¾ in., ½ doz. in pkg.. Doz. 2 40



6073. **Black Polished Handle,** two blades, brass name plate, length closed 3¼ in., ½ doz. in pkg.... Doz. 3 20
6043. " " " " " " 3½ " " " Doz. 2 80

Boker's Jack Knives

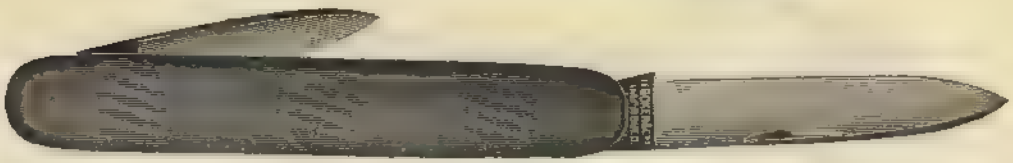
2202. **Boker's,** one blade, black handle, iron lined, with iron caps, length closed 3¼ in., ½ doz. in box..... Doz. 4 00
3397. **Boker's,** " " " " " 3½ " " " Doz. 6 00

3398. Two blades, black handle, iron lined and capped, length closed 3½ in., ½ doz. in box. Doz. 7 50

3396. As above, but smaller size, length closed 3¼ in., ½ doz. in box.. Doz. 6 50
3388. Two blades, bevelled, stag handle, iron lined and caps, length closed 3¾ in., ½ doz. in box Doz. 10 00

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Boker's Pocket Knives



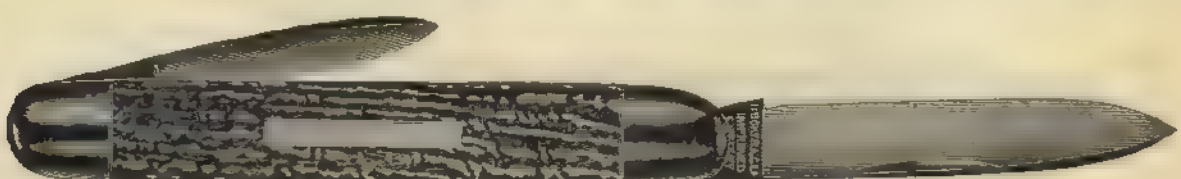
1269 Two blades, ebony handles, brass lined, length closed 3¼ inches, ½ dozen in box..... Doz. $4 20

3482 84. Two blades, assorted white bone and grey buff horn handles, brass lined, length closed 3¼ inches, ½ dozen in box.. .Doz. 6 50

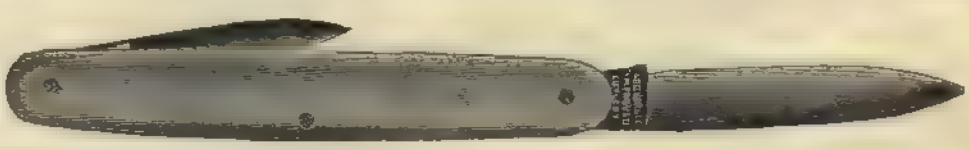
3485. Two blades, grey buff horn handles, brass lined, length closed 3¼ inches, ½ dozen in box. Doz. 6 00

No. 3527 (but has three blades only)

3527. Three blades, stag handle, brass lined, with caps and shield, length closed 3⅜ inches, ½ doz. in package.....Doz. 9 30
3648. As 3527, but smaller size and two blades, length closed 3 inches, ½ dozen in package 6 70



2098. Two blades, stag handle, brass lined, with caps and name plate, length closed 3½ inches, ½ doz in package Doz 9 50



3709. All Metal, two blades, German silver handle, length closed 3 inches, ½ dozen in package Doz. 7 50

920. All Metal, two blades, cork screw, champagne hook and cigar cutter, German silver handle, 3¼ inches long, wrapped singly.....Doz. 14 40

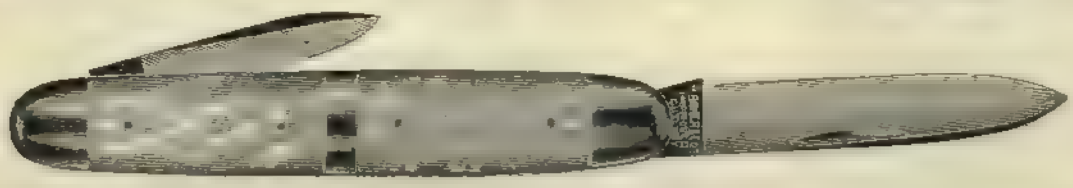
Where package quantity is mentioned we cannot supply smaller lot

Boker's Pocket Knives

No. 804P. $8.50 dozen.

1192N. **Nail Knife,** one knife blade and one file blade, pearl handle, nickel polished tips, brass lining, length closed 2⅝ inches, ½ doz. in pkg ..... Doz. $ 8.00
1186. **Ladies'** two blades, pearl handle, polished caps, brass lined, length closed 2 ¾ in., ½ doz. in pkg ..... Doz. 8.40
804P. **Ladies'** two blades, pearl handle, brass lined and polished caps and shield, length closed 2½ in., ½ doz. in pkg ..... Doz. 8.50

3776. **Ladies'** two blades, pearl handle, brass lined, with caps and shield, length closed 3 in., wrapped singly ..... Doz. 12.50



3513. Two blades, pearl handle, brass lined, with caps and centre band, length 5½ in., wrapped singly ..... Doz. 12.30
3564. As 3513, but four blades, ½ doz. in pkg ..... Doz. 15.50

3678J Two blades, imitation ivory handle, brass lined, cut at side to permit easy opening, length closed 3¼ in., ½ doz. in box ..... Doz. 7.50
3677. As 3678, but smaller size, length closed 2¾ in., ½ doz. in pkg ..... Doz. 6.50

3873. Two blades, ebony handle, brass lined, length when closed 3¼ in., ½ doz. in box ..... Doz. 7.20
3872. As 3873, but smaller size, length when closed 2¾ in., ½ doz. in box ..... Doz. 6.50

2079. Two blades, imitation ivory handle, brass lined, length closed 3¼ in., ½ doz. in box ..... Doz. 7.50

02804. Two blades, black handle, brass lined, with name plate and caps, blade stamped "King Cutter," ½ doz. in pkg. ..... Doz. 10.00

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Boker Assortments

A1080 87. Pocket Knife Assortment, containing ½ doz. each of eight of Boker's most popular pocket knives and glass front oak display cabinet. The variety includes ladies' and gents' styles in bone, celluloid, pearl, horn and stag handles, in lines to retail from 35c. to $1.00 each, and selling prices are plainly marked on display cabinet so that it acts as a silent salesman. Total, 4 doz. in assortment, and sold complete, including cabinet... .. . Per assortment $30.00

A1088 1093. Jack Knife Assortment, containing ½ doz. each of six of Boker's most popular jack knives and glass front oak display cabinet, all two blade knives ranging in price from 40c. to 75c. retail. Selling prices plainly marked on cabinet. Total, 3 doz. knives in assortment, including cabinet . Per assortment 27 30

Crown Razors

1200. ⅞ in. Blade, "The Silver Ringer," square point, concave ground, black handle . . . . . Doz. $6.30

1202. ⅞ in. Blade, extra Hollow Ground, fully warranted, square point, fancy black handle . . . Doz. 7.50

1204. ⅞ in. Blade, concave point, extra hollow ground, black handle . . . . . Doz. 8.40

1208. 5-8 in. Blade, etched, extra Hollow Ground, square point, black handle . . . . . Doz. 10.80

Magna Safety Razor

The only Practical Safety Razor put on the market to retail at a popular price.

"Magna" Safety Razor. Highest quality steel blade, silver plated frame, sectional handle and stropping attachment, complete instructions accompany each razor, but the "Magna" is so simple in construction that it can be used by anyone with just a moment's inspection. Each packed in fancy tin box. Per doz. **$12.00**

Extra Blades for Magna Safety Razor. Each put up in separate blade box. .....Doz. **$8.40**

Boker's Razors

All Razors are packed each in cloth covered case

		Per Doz.
1 ⅝.	⅝ inch blade, black handle, blade hollow ground, hollow point	$8 70

3 ⅝.	⅝ inch blade, concave ground, black handle, square point, "Barber's Choice" etched on blade in black	14 40
3¾.	¾ inch blade, otherwise as 3⅝	14 40

4 ⅝	⅝ inch blade, fine concave ground, black handle, square point, "Extra hollow ground—fully warranted" etched on blade	17 00
4¼.	¾ inch blade, otherwise as 4⅝	17 00
6 ½.	½ inch blade, finest full concave ground, reinforced heel	23 00
6⅝.	⅝ inch blade, otherwise as 6½	23 00
6¾.	¾ inch blade, otherwise as 6½	23 00

17⅝.	⅝ inch blade, finest India steel, concave ground, shank protected by ivory facings, blade etched in gold	24 00

14 ⅝	⅝ inch blade, "King Cutter," sheep toe point, finest full concave ground, reinforced heel and gold etched	28 00
16 ⅝	⅝ inch blade, "King Cutter," square point, finest full concave ground, reinforced heel, corrugated shank, etched in gold	28 00

THREE NEW LINES

18⅝.	⅝ inch blade, "Damascus" square point, concave ground, black handle	12 50
20⅝.	⅝ inch blade, "Regal," galvanic gold etched, square point, extra hollow ground blade	21 00
19⅝	**"Crown" Our Special,** absolutely the highest quality that can be attained, ⅝ inch extra hollow ground blade, etched "Finest Grade" and bearing our trade mark pearl shank bearing Boker trade mark	36 00

Japanese China

Salts and Peppers

No. 2193. 80c doz.

2193. Tall shape, height 2¾ inches, clouded gold on top, gold and flower decoration, gold band at top, 1 doz. in pkg. ..... Doz. $0 80

2034. Height 2½ inches, cobalt blue neck, gold splashed top, gold and flower decorations, 1 doz. in pkg.. Doz. 1 00

3305. Height 2¼ inches, gold perforations, gold band on neck, flower and gold decorations, 1 doz. in pkg. ..... Doz. 1 00

4159. Height 2¾ inches, Cobalt blue neck, gold splashed top, white body tinted pale blue towards top, gold and flower decorations, 1 doz. in pkg..... ....Doz. 1 60

10688. Height 2½ inches, Moriage ware, fancy rococo embossed designs in varied colors, with panels of floral decorations and beaded work, 1 doz. in pkg ....Doz. 2 20

2192. Height 2 ... inches, old ivory body decorated with gold, Japanese red band at top and bottom, solid gold top with green border, 1 doz. in pkg.....Doz. 2 40

1235. Height 2½ inches, gold decoration on white body with colored figures in panels, solid gold top, Japanese red neck decorated with gold, 1 doz. in pkg. ..... Doz. 2 40

Mustards

No. 1701. $1 60 doz.

No. 2035. $1 60 doz.

No. 6061. $3.60 doz

1701. Japanese red border and handles, decorated with pink flowers and gold on white body, complete with spoon, 1 doz. in pkg. ..... Doz. 1 60

2035. Blue and gold edge, pink rose decoration on cream tinted background, each with spoon, 1 doz. in pkg. .....Doz. 1 60

6061. Blue and gold edges and handles, pink and cream rose decoration, each on saucer 4½ inches diameter, complete with spoon, ½ doz. in pkg.....Doz. 3 60

Celery Dips

No. 6507. $1.60 doz.

6507. Fancy footed shape, blue and gold border, gold feet colored flower decoration, 1 doz. in pkg.....Doz. 1 60

6171. Footed shape, gold border, decorated with pink roses and gold beaded scroll work, 1 doz. in pkg.....Doz. 1 60

1674. Larger size, Japanese red border and feet decorated with Japanese figures and flowers in panel design, 1 doz. in pkg.....Doz. 1 60

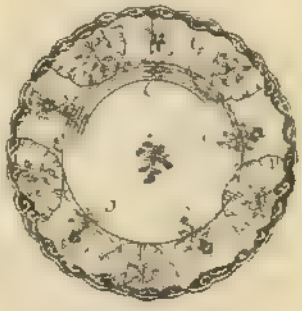
Bread and Butter Plates

No. 2317. 90c. doz.

No. 1548. $1.60 doz.

2317. Diameter 6 inches, Japanese figure and landscape design in blue undergiaze, 1 doz. in pkg. .....Doz. $0 90

1548. Diameter 6¼ inches, blue on rim in parts, pink and purple flower decoration with gold line stems, 1 doz. in pkg..... Doz. 1 60



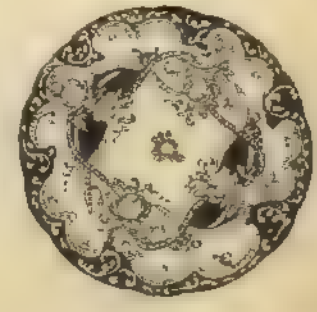
No. 3136. $2.20 doz.

No. 6168. $2.50 doz.

3136. Fancy scalloped shape, diameter 6 inches, blue and gold border, decorated with pink flowers in gold panels, 1 doz. in pkg..... .....Doz. 2 20

6168. Scalloped edge, diameter 6 inches, spiral ribbed rim with blue and gold border, decorated with pink flowers and large gold scrolls, with beaded border, 1 doz. in pkg.....Doz. 2 50

No. 3312. $3.60 doz.



No. 3361. $4 00 doz

3312. Diameter 6 inches, blue and gold border, decorated with Japanese figure and flower design in colors and gold, 1 doz. in pkg..... .....Doz. 3 60

G3361. Diameter 6 inches, blue and gold border in fancy scroll design with inner border of green, conventional centre design combining pink roses and solid gold parts, amber tinting and gold scroll work, 1 doz. in pkg. ..... Doz. 4 00

Where package quantity is mentioned we cannot supply smaller lot

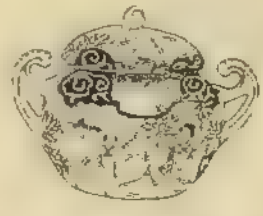
Japanese China

Miscellaneous Decorations

6036/67. Teapot, Sugar and Cream, blue and gold on top, bottom and handles, gold line edges, pink and cream flower decoration on pale-tinted background, consisting of Teapot 4½ x 5 inches, Covered Sugar 4 x 5 inches, and Cream 3½ x 4 inches, each set in pkg. . . . . Doz. sets $12 00

6067. Sugar and Cream, same decoration as above but without Teapot, each set in pkg. . . . . Doz. sets 8 00

3308. Cup and Saucer, same decoration as above, Cup 2½ x 3 inches, Saucer 3 inches, ½ doz. in pkg . . . . . Doz. 3 20

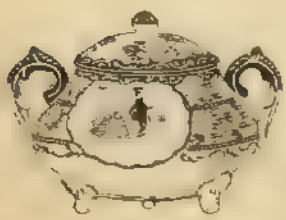


3249 50 Teapot Sugar and Cream, consisting of Teapot 4½ x 5 inches, Covered Sugar 4 x 4½ inches, and Cream 3¼ x 3½ inches, decorated with Japanese figure, flower and landscape design in colors and gold, gold line on edges and handles, each set in pkg. . . . . Doz. sets $15 00

3250. Sugar and Cream, same decoration as above but without Teapot, each set in pkg. . . . . Doz. sets 8 00

3251. Cup and Saucer, Five O'clock size, decorated to match above, Cup 2 x 3 inches, Saucer 5 inches, ½ doz. in pkg. . . . . Doz. 2 50

6129. Sugar and Cream, blue and gold border, Chrysanthemum flower decoration, Cream 4 inches high, double-handled Sugar 4¼ inches high. ½ doz. sets in pkg. . . . . Doz. sets $8 40



3189. Sugar and Cream, Fancy-footed shapes, decorated with Japanese colored figure design in panels, and with border of large pink roses on tinted blue ground in beaded panel, Covered Sugar 4 x 5 inches, Cream 3½ x 4½ inches, each set in pkg., Doz. sets 12 00

No. 4128. $4.50 doz

3137. Cream Jug, Cobalt blue and gold borders, colored flower decoration and gold scroll work design on white ground. Height 4 inches. 1 doz. in pkg. . . . . Doz. $3 00

No. 6049. $13.00 doz

4128 Same decoration as 3137 but larger, height 5½ inches ¼ doz. in pkg. Doz $ 4 50

6049. Chocolate Pot, height 10 inches, blue and gold top, handle, border and panels, decoration of large pink and cream roses with fancy gold scroll work, each in pkg. . . . . Doz. 13 00

6050 Chocolate Cup and Saucer, to match Chocolate pot 1649, Cup 2½ x 2½ inches, Saucer 5 inches, ½ doz. in pkg. . . . . Doz. 3 40

Trade Discount on all Prices in this Catalogue. Terms: 5 30 days

Japanese China

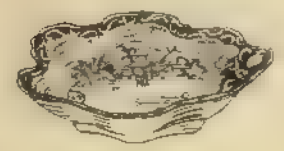
Miscellaneous Decorations

F2528 $2.50 doz.

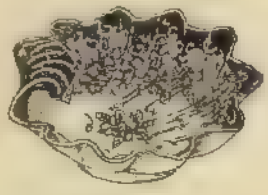
No. 6073. $4.50 doz.

F2528. Nut Bowl, fancy footed shape, blue and gold border and feet, decoration of Japanese figures, and flowers in colors on amber tinted ground. Diameter 4¼ inches. 1 doz. in pkg..... Doz. $2.50

6073. Footed Nut Bowl scalloped shape. Diameter 5¼ inches, gold rim, blue and gold border, decoration of pink and cream roses on tinted background, ½ doz. in pkg ..... Doz. 4.50



F2541. $2.50 doz.



No. 2640. $4.50 doz.

F2541. Handled Bon Bon, blue and gold border, Japanese flower and landscape, decoration in colors, and gold on amber tinted ground. ½ doz. in pkg ..... Doz. 2.50

2640 Handled Bon Bon blue and gold border flower decoration in color, and gold on amber tinted body. Diameter 6 inches, 1 doz. in pkg ..... Doz. 4.50

No. 3314. $6.50 doz.

No. 2340. $8.40 doz.

3314. Footed Nut Bowl, fancy scalloped shape. Diameter 5½ inches, green and gold edge, border of pink flowers in gold panels on pale pink ground, centre decoration of conventional flower design in colors and gold. ½ doz. in pkg..... Doz. 6.50

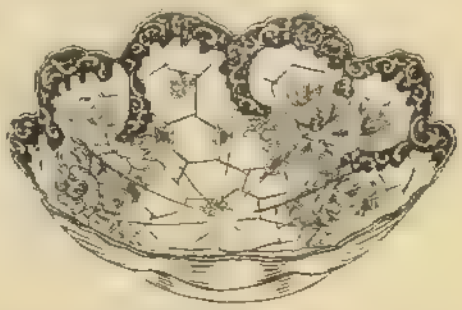
2340 Handled Bon Bon, border of pink flowers in alternate green and solid gold panels, panel design radiating towards centre in colors, and gold on tinted body, gold edge and solid gold handle. Diameter 6¼ inches, ½ doz. in pkg..... Doz. 8.40

No. F2563. $4.00 doz.

F2563. Hair Receiver, blue and gold edges, Japanese figure, and flower decoration of pink roses on tinted ground. Size 4 x 2¾ inches. ½ doz. in pkg ..... Doz. 4.00

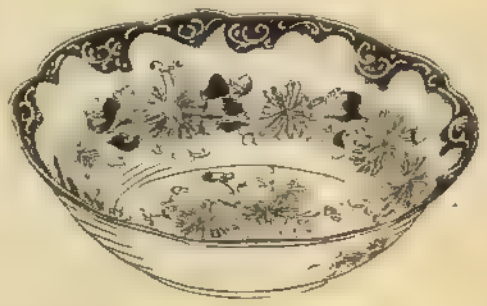
1923. Marmalade, three pieces, twisted panel, Cobalt blue borders, with relief gold scroll work, rich decoration of pink roses, and gold design on cream tinted ground. Jar 4¼ x 5¼ inches, saucer 6½ inches. 1/8 doz. in pkg ..... Doz. 13.00

1942. Berry Set, 7 pieces. Diameter of bowl 9 inches, nappy 5 inches, fancy scalloped shape, blue and gold border, decorated with pink flowers and gold line panel design. Each set in pkg ..... Doz sets $21.00



6055. Salad. Diameter 10 inches, fancy large scalloped shape, gold design on Cobalt blue border, decoration of large pink and cream roses, with gold line and scroll work. Each in pkg ..... Doz. 13.00

6056. Nappy to match Salad 6055. Diameter 5½ inches, ½ doz. in pkg ..... Doz 2.50



2618. Salad Bowl. Diameter 10 inches, fancy gold design on blue border, centre design comprising garland of pink flowers with solid gold in parts, gold scroll work on amber tinting. Each in pkg. Doz. 18.00

2620. Nappy to match above. Diameter 5½ inches, ½ doz. in pkg ..... Doz. 3.60

No. 6048½. $4.00 doz.

6045½. Teapot. Flower decoration in blue under glaze, on cover and top border body of mottled blue and white embossing, complete with inside porcelain strainer. Height 4 inches, capacity two cups, ½ doz. in pkg ..... Doz. 2.60

6048½. As above, but larger. Height 7 inches, capacity four cups, 1/8 doz. in pkg ..... Doz. 4.00

Where Package Quantity is Mentioned we cannot Supply smaller lot

Japanese China

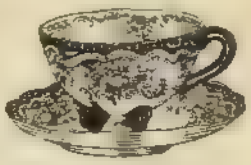
Our "R" Special Blue and Gold Decorations

Cobalt blue borders on top and bottom, with gold rococco tracing, old ivory tinted body, shaded from strong to soft tint. Relief gold rococco scrolls on body. Artistic floral decorations of roses and asters in rich coloring.

R40990 06 Teapot, Sugar and Cream, footed shape as illustrated, in our well known "R" blue and gold decoration. size of teapot 8 x 5 inches, each set in a pkg . . . . . Per set $ 2 00

R40990. Sugar and Cream, as above, but without teapot, 2 pcs. set in pkg 1 10

R33718. Chocolate Cup and Saucer, medium shape chocolate (not R4077) ½ doz. in pkg . . . . . Doz. $5.50



R36104. Cup and Saucer, 5½ x 2¼ inches, fancy footed shape, thin translucent China, ¼ doz. in pkg . . . . . Doz. $7.50

R41109 Cup and Saucer, thin translucent China, cup 3½ x 2½ in., ¼ doz. in pkg . . . . . Doz. $6.50

R41110 Cup and Saucer, Moustache, size 4 x 2½ inches, ¼ doz. in pkg. . . . . Doz. $12.00

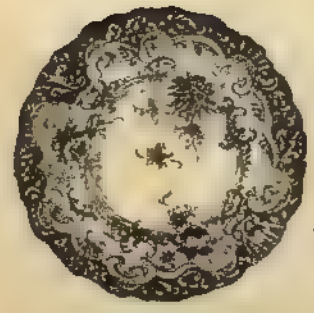
R2217. Cream Jug Height, 3¼ in., diameter at bottom 3¼ in., 1 doz. in pkg. . . . . Doz. $3.60

R2168. As above, but is 4 in. diam. 1/6 doz. in pkg. . . . . Doz. $4.50

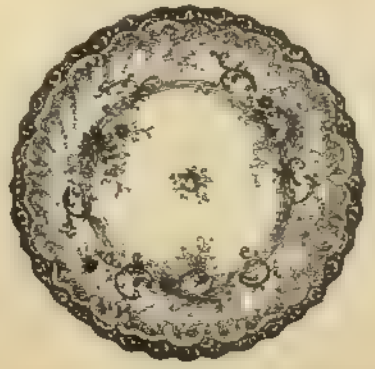
R40279. Cream Jug, 5 in. high, and 4 in. diam., 1/6 doz. in pkg. . . . . Doz. $6.50

R40279A. As above, but is 6¼ in. high, and 4¾ in. diameter, each in pkg . . . . . Doz. $12.00

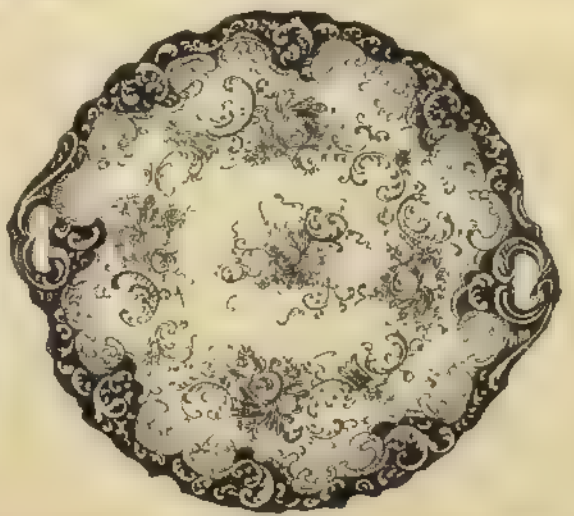
R378. Squat Jug, fancy shape, panel effect, height over all 6½ inches, diameter 5¾ inches, each in pkg . . . . . Each $2.00



R2171. Bread and Butter Plate, diameter 6 in., ½ doz. in pkg . . . . . Doz. $4.00



R2172. Tea Plate, diameter 7 in., ½ doz. in pkg . . . . . Doz. $4.50



R2455 Cake Plate, diameter 10 in., open handles, ½ doz. in pkg . . . . . Doz. $21.60

Japanese China

"R" Blue and Gold Decorations—*Continued*

No. R 919. $1 60 doz. No. R 913. $2 40 doz.

R 919. Toothpick Holder, height 2⅜ inches, 1 doz. in pkg. ..... Doz. $1 60

R 913. Celery Dip, diameter 5 inches, height 2 inches, 1 doz. in pkg. Doz. $2 40

No. R 34679/4 $2.40 doz. No. R 2059. $4.50 doz.

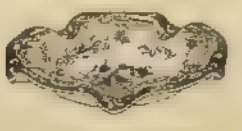
R 34679/4. Salt and Pepper, height 2½ inches ¼ doz in pkg ..... Doz. $2 40

R2059. Mustard with silver top and spoon, size of pot 2½ x 2⅝ inches, Saucer 4¼ inches ½ doz. in pkg. ..... Doz. $4 50

R 3322. Boullion Cup and Saucer, with cover, two handles, size of cup 4 x 3½ inches, saucer 5½ inches ¼ doz. in pkg. ..... Doz. $12 50

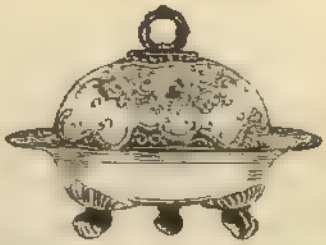
R 926. Rose Jar, fancy footed shape, cover sets inside, scalloped neck, height 5¼ inches, ¼ doz. in pkg. .. Doz. $7 50

R 927. Rose Jar, large size, separate inside cover, height 6 in., each in pkg. .. Doz. $10 50



R 3337. $4.50 doz.

R 3337. Ash Tray with five cigar rests on rim, diameter 5 inches, 1 doz. in pkg. ..... Doz. $4 00



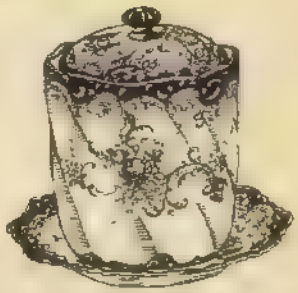
R915 Covered Butter Dish with drainer, footed shape, size 4½ x 6½ inches, each in pkg. Each $1 60

R 3324. Biscuit Jar, low shape, two handles, size 6 x 3½ inches, each in pkg. Each $2 20

R 3327. Biscuit Jar footed, tall shape, height 7 inches, diameter 5 inches, each in pkg. ..... Each $2 00

R 2170. Biscuit Jar, fancy square shape, with double handles, width 6 inches, height 7¼ inches, each in pkg Each $1 70

R 920 Candlestick, with handle, diameter 5 inches, ½ doz. in pkg. Doz. $4 00



R 18572. Marmalade Jar, three pieces, twisted panel, diameter of jar 4 inches, height 6 inches, plate 6¼ inches, ½ doz. in pkg. ..... Doz. $13 50

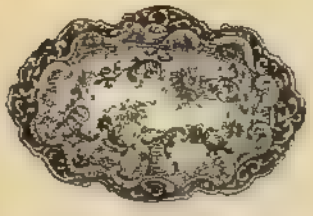
R 918. Coffee Pot, fancy shape, height 10 inches, width from outside edge of handle to tip of spout 7¼ inches, each in pkg. ..... Each $2 50

R 40770. Chocolate Pot, fancy fluted shape, height 9½ inches, diameter at base 5½ inches, each in pkg. ..... Each $2 00

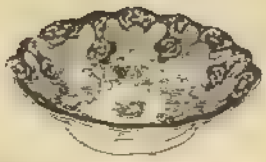
R36718 Chocolate Cup and Saucer, to match Chocolate Pot R 40770 ½ doz. in pkg ..... Doz. $5 50

Japanese China

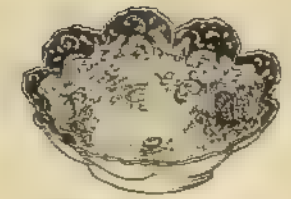
Blue and Gold "R" Decoration *Continued*



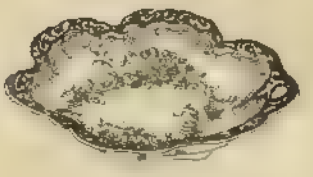
R918. Trinket Tray, oval shape, [illegible] pkg. 6, [illegible] pkg. Doz. **$4.00**



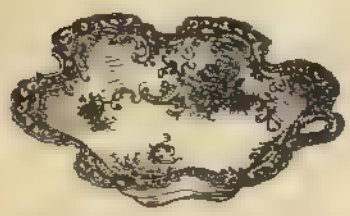
R2065. Bon Bon, fancy [illegible] work edge, [illegible] doz. in pkg. [illegible] Doz. **$4.00**



R2064. Bon Bon, fancy shape, [illegible] scalloped edge, diameter [illegible], [illegible] doz. in pkg. [illegible] Doz. **$4.00**



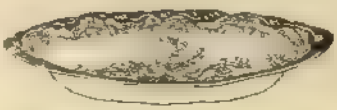
B3319. Pin Tray, diameter 6 in., ½ doz. in pkg. [illegible] Doz. **$4.00**



R3037. Bon Bon, fancy, extra deep [illegible] scalloped edge and handle, ½ doz. in pkg. [illegible] Doz. **$8.00**

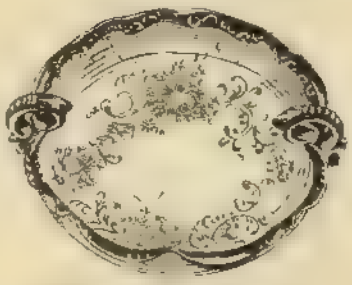
R2017. Pickle Tray, size 4½ x 7 in., open handles, 1 doz. in pkg. ...Doz. **$6.50**

R16548. Footed Bon Bon, size 4¼ x 3½ in., ½ doz. in pkg. [illegible] Doz. **$8.40**

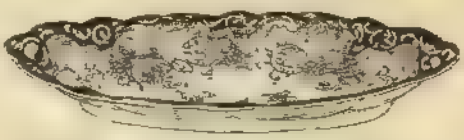


R3334. Spoon Tray, size 4 x 7 in., 1 doz. in pkg. [illegible] Doz. **$4.50**

R3332. Nut Bowl, fancy, scalloped edge, diameter 6 in., height 2½ in., ½ doz. in pkg. [illegible] Doz. **$8.46**



R3318. Handled Nut Bowl, fancy roll, scalloped edge, diameter 6 in., ½ doz. in pkg. ... Doz. **$12.00**

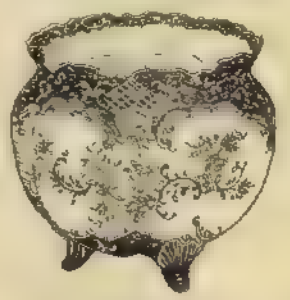


R3320. Spoon Tray, large size, open handles, size 5 x 10 in., ½ doz. in pkg. [illegible] Doz. **$12.00**
R3321. Celery Tray as above but larger, size 6 x 12 in., each in pkg. [illegible] Each **$1.80**

R10514 Footed Fern Pot, [illegible] in., diameter [illegible], [illegible] in pkg. Doz. **$7.20**

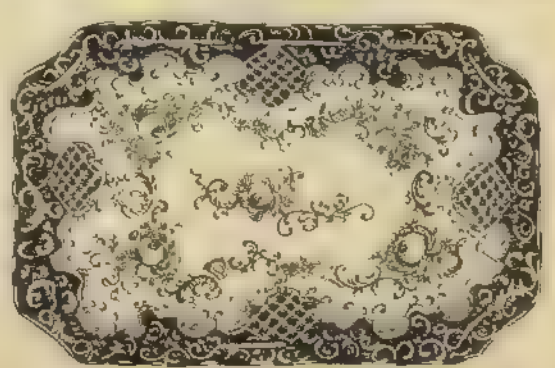
R908. Two-piece Fern Pot, diameter 3½ in., height 3 in., doz. in pkg. Doz. **$6.50**
R909. Two-Piece Fern Pot as above but larger, diameter 5 in., height 4 in., 1-6 doz. in pkg. Doz. **$12.00**

R3330. Footed Fern Pot, metal lining, diameter 6 in., height 4 in., each in pkg. [illegible] Doz. **$17.00**
R3331 Footed Fern Pot, as above but larger, diameter 8½ in., height 5 in., each in pkg. Each **$3.00**



R367. Footed Jardiniere, diameter of top 5 in., each in pkg. [illegible] Each **$1.40**
R367 L. Footed Jardiniere, as above, but larger, diameter 6¼ in., height 5½ in., each in pkg. [illegible] Each **$2.50**

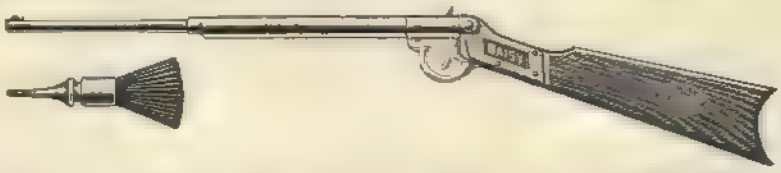
R177. Fern Pot, footed shape, with handles, separate metal lining, diameter 11½ in., height 6½ in., each in pkg. Each **$2.50**



R2486. Comb and Brush Tray, size 7½ 11 in., each in pkg. [illegible] Doz. **$21.60**

"Daisy" Air Rifles

All Daisy Air Rifles are made of steel, handsomely nickel plated All parts interchangeable. Stock of genuine black walnut, highly polished. Each Rifle carefully sighted and tested by an expert before leaving the factory. Full directions for using, as well as price list of repair parts, accompany each Rifle.

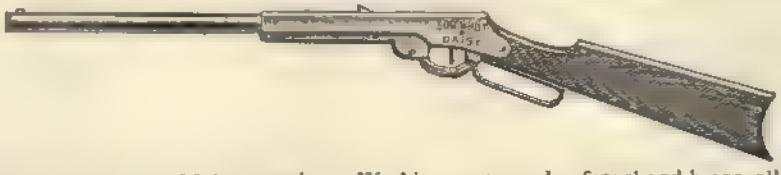


20th Century "Take Down" Daisy. A strong and accurate shooter. The shooting barrel is so arranged that either shot or darts can be used. By removing two screws the Rifle can be taken apart and packed in small space for convenience in carrying or shipping. Length 31 inches. Weight 1 lb 13 oz. Sold in any quantity.... Doz $18 00

"20th Century" Darts Extra. 1 doz. in pkg..... " 0 70

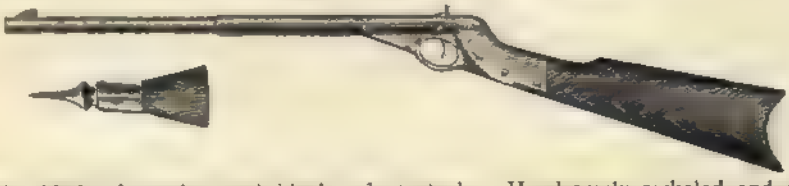
Daisy "Take Down" Repeater. Magazine holds 48 Air Rifle shot. Repeating attachment extremely simple, both the magazine and shooting barrel can be easily removed. Length 31 inches. Weight 1 lb. 14 oz.....Doz. 24 00

1000 Shot Daisy. A magazine gun with lever action. Magazine holds 1000 BB shot and loads automatically. Working parts made of steel and brass and so arranged that any one can take the gun apart and put it together. Stock of black walnut, highly polished Shoots accurately and with great force. The most gun-like Air Rifle on the market, and will satisfy the most exacting customer. Length 36 inches. Weight 3 lbs . . Doz. 40 00



500 Shot Daisy. Automatic repeater with lever action. Working parts made of steel and brass, all parts interchangeable. Black walnut stock, barrel finely nickel plated. Construction is the same as the famous 1000 Shot Daisy, but the gun is four inches shorter, and the magazine holds 500 BB shot. A strictly high grade Air Rifle and fully guaranteed. Length 32 inches. Weight 2 lbs. 10 oz... . ...Doz. 33 60

"King" Air Rifles



"King" Single Shot. Made of genuine steel, black walnut stock. Handsomely nickeled and polished, rounded stock and pistol grip, shoots BB shot or 17 darts. A sure shooter hard to break made for wear and tear from steel especially made to our order, reinforced parts wherever required Built to sell and stay sold. Sold in any quantity. .....Doz. 18 00

"King" Repeater. Genuine black walnut stock, barrel of steel, finely nickel-plated and polished, rounded stock with pistol-grip. Cannot clog with uneven shot from the magazine. Shoots BB Shot and Darts with great force and accuracy. Shoots 150 times without reloading. Perfect but simple repeating device—a favorite with boys from kindergarten to high school.....Doz. 26 40

"King" Darts. For use with Single Shot or Repeater. 1 doz. in pkg..... " 0 70

Advertising Cuts

No. 3. Advertising cut ....Each net $0 35

No. 1. With word "Toys" in panel..... ... .Each net $0 35

No 4. Advertising cut. . ...Each net $0 50

No. 2. Advertising cut .. . .Each net $0 45

No Discount from prices of Cuts

Snowshoes

Prices less regular Catalogue and Cash Discounts

Made from selected wood and gut stock in most approved models.

0 **Child's**, curved frames, wool tufted, size 30 x 9 inches ..Per pair $3 20

3 **Boys'**, curved frames, extra strong, wool tufted, size 33 x 10½ inches ... ...Per pair 4 00

23. **Ladies**, curved frames, wool tufted, size 36 x 11 inches ... .Per pair 5 00

22. **Tramping**, curved frame, size 42 x 13 ½ inches... ....Per pair 6 00

20. **Club**, curved frames, wool tufted, size 42 x 14 inches..... ... . " 6 50

30. **Shanty**, straight frames, extra strong gut and wood, size 42 x 16 inches .. . . " 6 00

Snowshoe Thongs, required with all above, $4.00 dozen pair, extra.

FALL CATALOGUE 1906

TO THE TRADE

50 per cent. Trade Discount

from this list, so that price to you will be just one-half of the printed price.

Our Regular Terms are—5 per cent. discount for cash in 30 days, but when the money accompanies order an extra 1 per cent. will be allowed.

Goods delivered to Transportation Company at our Warehouse, Toronto; cases and packing charged at actual cost. Cases not returnable.

Special Holiday Terms—To dealers of approved credit, bills for holiday goods shipped during October and November, become due January 1st, less 5 per cent.

If you are not known to us, please give names of Toronto houses with whom you do business, as references; or if ordering goods C.O.D. kindly remit with order sufficient to cover express or freight charges both ways, which amount will be deducted from your bill.

All Orders for less than Ten Dollars from dealers not having an account with us must be accompanied by remittance.

When ordering please give **name of article, number and price,** or fully describe items required if not found in catalogue.

Use order forms in back of catalogue. Order books will be supplied on request.

While we always endeavor to fill an order in strict accordance with a customer's desires, it is sometimes impossible to do so, owing to the indefinite way in which the different items are ordered. If the **name, number and price** are given, it will lessen any chance of mistake, and assure to the buyer a more certain fulfilment of his wishes.

We cannot send goods on approbation or accept return of articles filled according to order. And under no circumstances will returns be accepted where our consent has not first been secured.

ALWAYS GIVE SHIPPING INSTRUCTIONS

Order early and avoid having your selections broken by "sold outs" which cannot be avoided late in the season.

NERLICH & CO.

146-148 FRONT STREET WEST, TORONTO

Games—*Continued*

No 250 35 $2.40 Doz

Parcheesi

250 35. In red leatherette covered box with aluminum embossed cover, lithographed board, size 10½ x 10½ inches. Complete with counters and dice, ½ doz. in pkg.. Doz. $2 40

250 36. Similar to above but larger, size of board 11¼ x 11¼. Complete with dice, counters and dice cup, ½ doz. in pkg. Doz. 4 00

250/37. Large size, complete and having 2 polished dice cups. Board measures 16 x 16 inches, ¼ doz. in pkg..... .....Doz. 8 40

250/50. Assorted two kinds, "Alabama Coon" and "Frog and Sons." The object of the game is to put the celluloid balls into the open mouths of the figures, when this is done the balls roll out from small openings at the feet, each representing a different count. Size of box 11½ x 7¾ in., ½ doz. in pkg.....Doz. $4 00

250 51. Assorted. As No. 250 50 but larger size, being 14¼ x 9¾ inches, ¼ doz. assorted in pkg ..Doz. $7 50

091/12. Soldier Ten Pins, contains nine handsomely lithographed soldiers and one officer, and harmless spring gun, with wooden shells to be used in shooting down soldiers when placed in position as ten pins, handsome top, 9 x 7½ in., ½ doz. in pkg . ...Doz. $6 00

V. Pillow Dex, complete with two balloons. Size of box 5½ x 4 in. .Doz $2 40

X. Standard Home Set, complete with balloons. Size of box 6 x 4½ in.. .....Doz. 4 50

Pillow Dex Balloons .Doz 1 00

GAMES

250/46. 4 kinds assorted. "The Pig that went to Market," "Ping Ting's Pig Tail," "The Tailless Donkey," and "Dee-Dee, or Dressing the Dandy," all handsomely lithographed in full colors, large and showy, size of box 12½ x 8¼ inches, ½ doz. (4 kinds) in pkg. ..... Doz $4 00

No. 250 44. $3.70 doz.

No. 250 45. $7.20 doz.

250/44. Tidley Winks, handsome box, wood pot, and bone flips and counters, for 4 players, 1 doz. in pkg. ..... Doz 1 70

250 45. As above, but larger size, with flips and counters for 6 players and varnished pot, ½ doz. in pkg. ..... Doz. 4 00

250/54. Jackstraws. The popular old fashioned game, for any number of players, all in lithographed box, size of box 6½ x 4½ in., ½ doz. in pkg. . Doz. 3 60

091/5. Home Fish Pond. This game contains 15 fish and two poles and lines, all printed in full colors and varnished, size of box 12 x 12 in., 1 doz. in pkg. ..... Doz. $1 90

093 48. Fish Pond. Contains 8 fish on small wooden stands, also lithographed pond on which to place them, two poles, all in handsomely lithographed box, size 18 x 9 inches, ½ doz. in pkg. .. .. Doz. 3 50

091/11. Fish Pond. Is outfitted with 20 fish, two poles, and lines, all finely lithographed and put up in lithographed box, 10 x 23 in., ½ doz. in pkg. Doz. 6 00

250/55. Magnetic Fish Pond, lithographed cardboard pond, supply of fish with metal rings and two poles furnished with magnets, complete in box, size 7½ x 7½ in., 1 doz. in pkg. ..... Doz. 1 60

250 56. As above, but larger size throughout, box size 8½ x 9½ in., ½ doz. in pkg. ..... Doz 3 60

No. 250 49. $8.40 doz.

250 47. Lotto, on cardboard box, with fancy aluminum embossed label, ½ doz. cards, and 90 wooden number pieces, ½ doz. in pkg. ..... Doz. 1 60

250 48. As above, but larger, in wooden box, with 90 number pieces, and 21 glass counters, also 2 doz cards, ½ doz in pkg ..Doz. 4 00

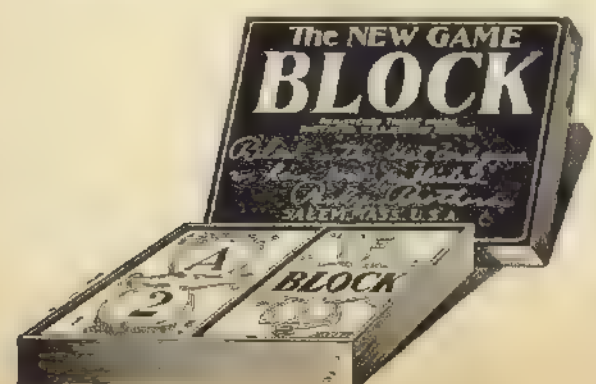
250 49. Large size set, with 2 doz. large cards and number pieces in fancy bag, also glass counters, all complete in leatherette covered wooden box, size 8 x 5 in, ½ doz. in pkg. Doz 8 40

Card Games

09315/20. Assorted Twenty-Five Cent Series. Authors, Snap, Old Maid, Dr. Busby, Peter Coddles and Jackstraws, all new editions printed in colors on good quality round cornered cards. Put up in large size box 7½ x 6 in., with attractive lithographed label in full colors. Sold assorted or separate kinds as desired.....Doz. $3 20

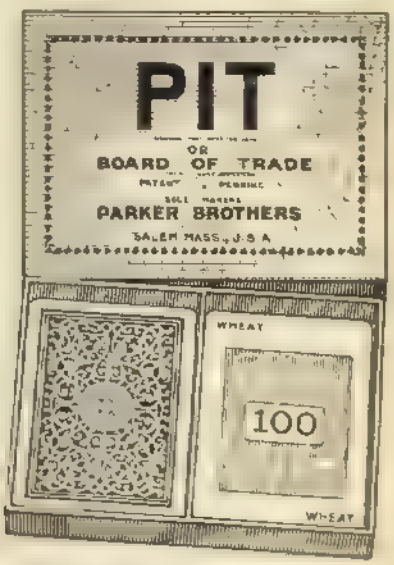
Flinch. Each pack consists of 150 cards, which are absolutely necessary to play the game successfully. The combinations resulting, while simple, are so intricate that the game has been pronounced by many to be more scientific than whist.....Doz. 3 00

Standard Trix Cards. Consisting of 72 cards numbered in sets and with extra "prize" cards. The principal games played with Standard Trix Cards are Trix, Forty-Two, Cal. Suit Forty-Two, Gyp, Hilo, Magna, Rover, Trix Football, Trix Exchange and Trix Authors.....Doz. 3 00



Block. The newest in popular card games. The game is absorbingly bright and interesting, and affords constant opportunities for good judgment in play. Considering the world-wide reputation of Parker Bros. as publishers of high class and popular selling games, certainly no higher tribute could be paid to the merits of "Block" than the autograph statement on each game. "Block is the best card game we have ever published." Send for a sample and be the first to introduce this new game in your town.....Doz. 3 00

25 **"Lost Heir." New Canadian Edition,** cards printed in four colors, showing the coats of arms of the various cities, backs in fleur-de-lis design, with Lost Heir medalion and Canadian coat of arms in one color, lithographed cover in five colors and gold, size of box 4½ x 6⅜ in., ½ doz. in pkg.....Doz. $3 60



Pit. Without doubt Pit is the most popular "Jolly Party" game ever published, and is sure to continue in large demand throughout the game season of 1907. Pit introduced in one evening party means a dozen new sales for the game.....Doz. 3 00

Sherlock Holmes. The idea of the play is to secure as many Thieves, Robbers and Burglars as you can by matching cards with your opponents and securing "sweeps" when a "Sherlock Holmes" card turns up in your playing piles. A laughable and exciting game.....Doz. 3 00

Board Games

Extra Large and Showy Goods

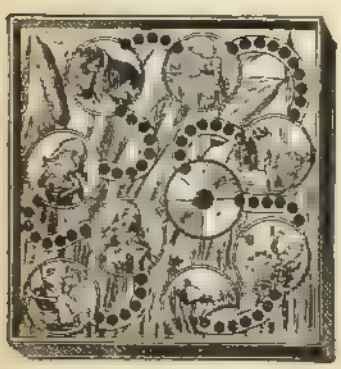
091 2. Six Kinds, consisting of Bombardment, Catch the Rabbit, Leap Frog, Spider's Web, Bear Hunters and Walking the Tight Rope. The labels are in full colors and gold and varnished, 1 doz. assorted (6 kinds), in pkg.... Doz. **$1 50**

091 3. Gem Series, size 7¾ x 15½ in. This series contains standard games. The titles are: Robbing the Miller, Catching Mice, Harlequinade, Game of Colors, The Crusaders, and Tri-Bang. The labels are in full colors and gold and varnished, 1 doz. assorted (6 kinds), in pkg.....Doz. **$1.80**

091/4. Favorite Series, size 7¾ x 15½ in. This series contains 6 simple games. The titles are: Get There, Diamonds and Hearts, Fox and Geese, Bounce, Lost Diamond, and Bagatelle. The labels are in full colors and gold and varnished, 1 doz. assorted (6 kinds), in pkg. .....Doz. **$1 80**

093/1. Mammoth Twenty-five Cent Series. Five kinds, Ben the Luggage Boy, Tattered Tom, Ragged Dick, The Fast Mail, and Golf. All handsomely lithographed in full colors, labels in full colors and gold and varnished. Extra large size, being 10¾ x 20½ inches. Extra big value for twenty-five cents retail. ½ doz. assorted in pkg. .....Doz. $3 50

091/7. Six kinds. Similar to 093/1, but different kinds: Advance and Retreat, Rival Armies, Hare and Hound, Goose Chase, and Cats and Mice, ½ doz. assorted (3 kinds), in pkg. .....Doz. 3 50



091 17 Special Assortment six kinds, each with two separate games, one on each side of board. The assortment contains Asia and Messenger Boy, Tommy Tucker and Father Christmas, Man in the Moon and Nine Men Morris, Persia and the Frog Game, Life's Mishaps and The Three Bears, Mother Goose's Christmas Party and Jack the Giant Killer. All handsomely lithographed and mounted, two games back to back in wood frame. All playing men and other implements in separate boxes. Size of board 15 x 14 in., ½ doz. assorted in pkg..... Doz. 8 00

Trade Discount on all Prices in this Catalogue. Terms: 5 . 30 days

1 gross assorted Christmas cards, $7.20.

Christmas Cards

Being frequently asked for Christmas Cards in assortments suitable for small dealers or general stores, we have had a special assortment made up containing one gross of popular priced cards in styles to retail as follows:

Size 13 x 10 x 2¼ inches.

4	dozen to sell at	2	cents
3	" "	3	"
2	" "	5	"
2	" "	10	"
1	" "	15	"

The assortment (1 gross) put up with envelopes for each card, in fancy box, with transparent celluloid cover . . . . . Per box $7 20

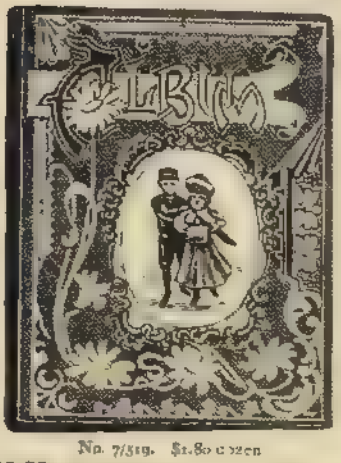
Autograph Albums

No. 7/515. $1.50 dozen.

7/513. Fancy gold embossed covers in assorted colors, fancy title page, thirty pages in different colors of paper, gold edges, size 6¼ x 4 inches, 1 doz. in pkg. . . . . Doz. $0 90

7/515. As above but size 8¼ x 5 inches and contains 38 pages, 1 doz. in pkg . . . . . Doz. 1 50

Scrap Albums



No. 7/519. $1.80 dozen

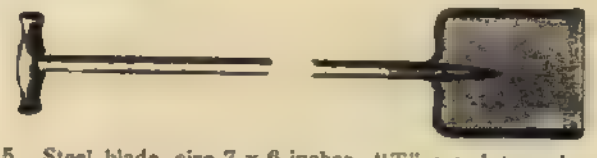
7/519. Fancy gold embossed cover in assorted colors of leatherette and assorted pictures, 16 pages, size 10¼ x 9 inches, 1 doz. in pkg. . . . . Doz. $1.80

7/522. As above but large size, 14 x 11 inches, and contains 28 pages, ½ doz. in pkg. . . . . Doz. $4.00

468/39. Extra large size, 16 x 12 inches, heavily embossed gold cover with assorted pictures, contains 88 pages, ½ doz. in pkg. Doz. $8 40

Snow Shovels

10. Black Japanned steel blade, size 8 x 6 inches, turned wood handle, length over all 30 inches, 1 doz. in pkg. . . . . Doz. $1 80



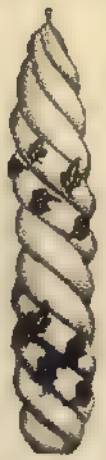
15. Steel blade, size 7 x 6 inches, "T" wood turned handle, length over all 47 inches, ½ doz. in pkg., Doz. $2 40

22. Black Japanned steel blade, 9¼ x 7¼ inches, wood handle, entire length 44 inches, ½ doz. in pkg. . . . . Doz. $2 80

Trade Discount on all Prices in this Catalogue. Terms: 5%, 30 days

Fancy Candles

No. 12. 54c. doz.



No. 470/6. 80c. doz.

12 Plain shape as cut, 6 in. long, assorted colors, 1 doz. one color in pkg.....Doz. $0 54

470/6. Twisted shape, gold decoration 6¼ in., colors salmon pink, pale blue, rose pink and canary yellow, ½ doz. one color in box.....Doz. 80

470/2. Twisted shape, with gold spray decoration, length 6¼ in., colors red, green, yellow and salmon pink, ½ doz. one color in box.....Doz. 1 20

257/16 Fancy octagon shape, gold trimmed in fancy panels, length 6 in., full range of colors, ½ doz. one color in box.....Doz. 1 80

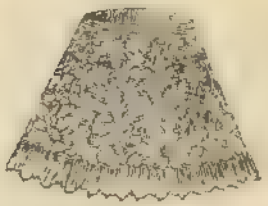
470/3. Household Candles, large size, straight ribbed shape, length 8¼ in., full range of colors, put up in ½ doz. in box, to retail at twenty-five cents the box .....Doz. 1 00

Parafine Candles

12S. Plain white parafine candles, length 5 in., 72 candles in box .....Per box 1 50

Candle Shades

Colors, Pink, Red, Yellow and Light Green



No. 61/1289. $1.60 doz.

No. 61/1350. $3.60 doz.

61/1289. Fancy stamped openwork floral design over crepe paper, with crepe fringe, 1 doz. in pkg....Doz. $1 60

61/1350. Silk finish Linen, crimped with scalloped lace bottom and fancy silk gimp around top, ½ doz. in pkg.....Doz. 3 60

61/1351. Same style as 61/1350, but white ground with pink floral decoration, ½ doz. in pkg.....Doz. 4 00

500/20. $3.00 doz.

500/25. $3.60 doz.

500/20. Fancy crepe paper, square shape, double frill top and bottom, ribbon band to match, ½ doz. in pkg. .....Doz. 3 00

500/25. Painted, round shape, pale tinted crepe, double frill top tinsel decorated cloth butterfly ornaments, ½ doz. in pkg .....Doz. 3 60

Candle Shade Holder

61/680. Brass Candle Shade Holder, with spring clip and extension arm, 1 doz. in pkg. .....Doz. $0 90

Silver Candlesticks

Heavy Metal, Silver Finished

224/1. Height 5½ in., ½ doz. in pkg. Doz. $3 70

224/2. " 6½ " ½ " " " 4 50

224/3. " 7½ " diameter of base 4 in., ½ doz. in pkg .....Doz. 6 50

Fancy Mounted Trays

Suitable for Fruit Stands or Card Trays

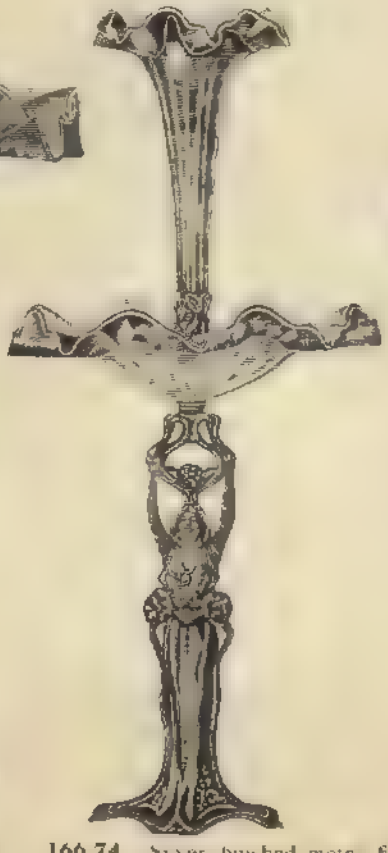
166 44. Metal Stand, finished in green bronze and gold, fluted shape tray, with diagonal optic pattern assorted ruby and white shades opal, diameter 8 inches, height 5 inches, ½ doz. assorted in pkg.....Doz. **$7.50**

166/38. Iris glass tray on bronzed tripod metal stand, height 7 inches, tray 6½ inches, ¼ doz. in pkg. .. .. .. Doz **$11.00**

166/39. As above but larger, height 8½ inches, tray 8 inches, ¼ doz. in pkg. .. .. .. Doz. **$16 80**

166/60. Bronzed double figure on ebonized base, fancy fluted tray with ruby tinted edge, diagonal optic centre, height 11½ inches, diameter of tray 10 inches, ¼ doz., two colors, in pkg. .. .. .Doz **$16.80**

166 62 Bronzed metal figure and base, fancy iris glass tray, entire height 19 inches, tray 12½ inches diameter. Each packed separately . Each **$4 50**



166 74. Silver finished metal figure, iris glass top vase in metal socket and 10 inch tray to match, entire height 21 inches. Each in pkg. . Each **$3 00**

478 2 Silver finished metal figure and base, fancy top, vase in metal socket and twelve inch tray, diagonal optic effect. Each in pkg. Each **$6.00**

Where package quantity is mentioned we cannot supply smaller lot

Fancy Glass Baskets

In assorted opalescent colorings

128/3. Assorted four shapes and four colors, opalescent tints, average size 6 x 6 inches, ½ doz. assorted in pkg.... .....Doz. $4 00

128/14 Assorted three shapes and three colors, plain and opalescent tints, average size 7½x7 inches, ½ doz. assorted three kinds in pkg .....Doz. 8 00

128/15 Assorted two shapes and colors plain and opalescent tints, average size 9½x8 inches. Each in pkg. . . . . Doz. 12 00

Epergnes

Footed Style

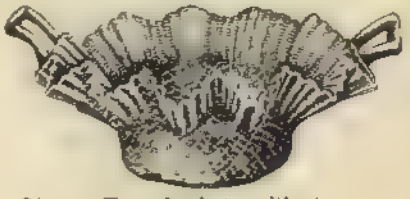
No. 375/35. $9 60 doz.

375/34. Tinted opal, height 10 inches, all over embossing, ½ doz. assorted in pkg.....Doz. $4 80

375/35. Assorted ruby and green shading into white opal, height 12 inches. Each in pkg. .Doz. 9 60

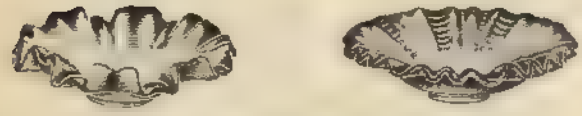
375/36. As 375/35 but larger size, height 17 inches, centre tray 9 inches, colors ruby and green, shading to white opal. Each in pkg .....Doz. 19 20

Tray Basket



128/12. Tray basket, with two handles, two shapes assorted, two colors assorted, green opalescent and blood orange red with tinted opal rim, size 10x8 in., ½ doz. 12 kinds in pkg ... ... Doz. 8 00

Fancy Glass Trays



166/54 Three shapes and three colors assorted, shaded from rim to white in centre, white opal underneath, diameter 7 inches, ½ doz. assorted (3 kinds) in pkg. .....Doz. $3 00

166/55. Three shapes and three colors assorted, edging of crystal, rim shaded from strong color at outer edge to white opal in centre, also opal underneath, ¼ doz (3 kinds) in pkg.. .. ..Doz. $1 00

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Iron Toys

Cuts of Iron Toys are not in proportion, please note size of each Toy in inches.

094 2. Ox Cart, with driver painted in four colors, length 5 inches, 1 dozen in pkg.....Doz. **$1.60**

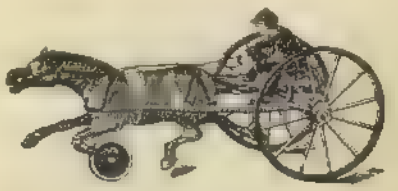
094 1. Pony Cart, painted in three colors, length 5½ inches, 1 doz. in pkg.....Doz. **$2.00**

098 3. Pony Truck Wagon, with two barrels, in colors length 8½ inches, ½ doz. in pkg .....Doz. **$2.40**

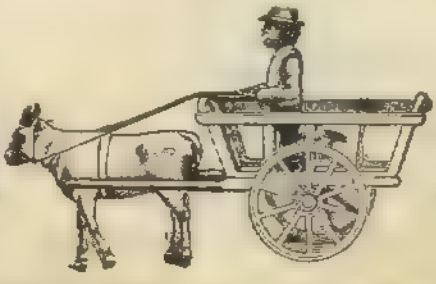
097 1. Assorted. Three kinds, coal cart, chariot and pony cart, each with driver, bodies finished in aluminum bronze, wheels painted red, average length 5½ inches. One dozen assorted in pkg .....Doz. $2 40

098 5. Milk Cart, painted in three colors, length 7 inches, 1 doz. in pkg .....Doz. $2 40

094/9. Donkey Cart, nickeled donkey, red painted wheels, black painted iron box, length 8½ inches, ½ doz. in pkg.....Doz. $3 30



094/7. Assorted. Three kinds, cab, chariot and racing sulky. Chariot and sulky with driver. Assorted styles of painting, average length about 8 inches, ½ doz. assorted in pkg.....Doz. $3 60



094/5. Assorted. Three kinds, coal cart, plantation ox cart and pony phaeton, each with driver, painted in bright colors. Average length about 7 inches, ½ doz assorted in pkg .....Doz. $3 60

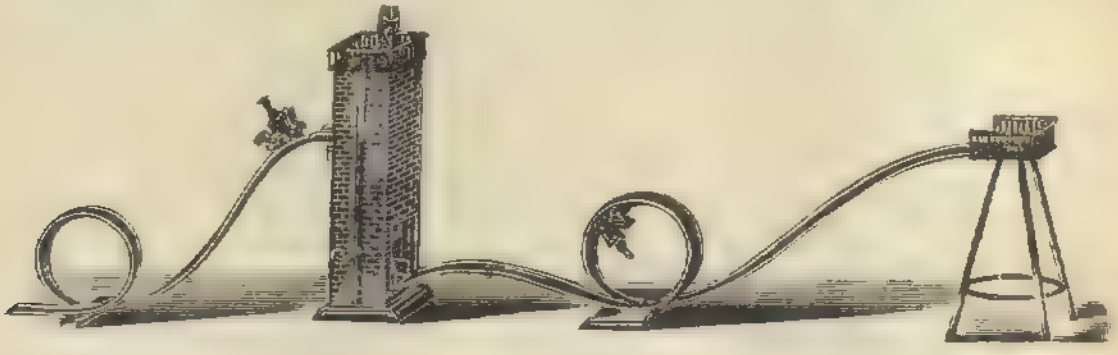
Trade Discount on all Prices in this Catalogue. Terms 5% 30 days

Gravitation Toys

"LOOP-THE-LOOP"

Perfect Working Model of this Circus Wonder

233. A track construction made of tin and painted in bright colors, with car containing one performer. When set up the structure is 9¼ inches high and 28 inches long. In designing this toy the same scientific principle and mechanical proportions have been carried out as employed in the building of the far famed "Loop-the-Loops" of the Pan American and Paris Exhibitions This toy is very fascinating and teaches a wonderful mechanical principle ½ doz. in box.. ...Doz. $4 00

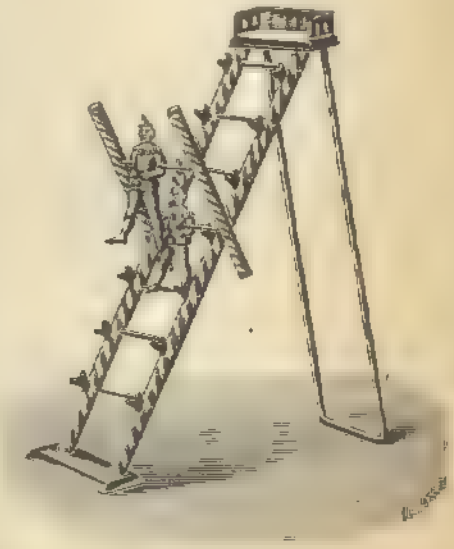


99,466. **Double Loop with Automatic Elevator.** The platform in elevator having been pressed to the bottom the car is started from the highest platform. After taking the first loop it runs into the elevator which immediately releases itself and carries the car to the top and starts it on the track for the second loop. Height of construction 13 in., length 42 in. Each in box 20.40

101.5. **Climbing Miller.** The bag is hung on hook at top, and the miller climbs up, raises the bag off the hook and descends to the bottom, the wheel all the time revolving. Painted in bright colors, height 16 in., each in box....Doz. $4.20

99 649. **Performing Clowns,** consisting of two brightly painted clowns attached to horizontal bar, which when placed at the top of structure descend with revolving motion from top to bottom, reversing motion as they proceed from side to side. Entire height 12½ in., ½ doz. in pkg., each in box.....Doz. $8.00

99,650. As above, but larger, with cloth costumed clowns .....Doz. $14.40



99 633. **Ladder Descent,** two clowns on double horizontal bars, who turn somersaults over one another as they descend from top to bottom of ladder by means of shifting gravity weights at sides, brightly painted in colors, entire height 12 in., each in box, ½ doz in pkg..... .Doz. $8.00

Violin Strings

GUT STRINGS

Sarasate, ½ bdl. in box, $6.00 bdl

E43. 1 bundle in box $4.00 bundle

"E." Sarasate, four lengths, extra finest quality, clear Italian gut, each wrapped in oil paper and tin foil, bearing trade mark and tied with silk ribbon (30 strings in bundle), ½ bundle in box. .....Per bundle $8 00
"A." Sarasate, extra fine quality, packed same style as E Sarasate, ½ bundle in box..... .. Per bundle 6 00
"D." Sarasate, extra fine quality, packed same style as A Sarasate, ½ bundle in box.....Per bundle 6 00
"E" 43. Fine quality clear gut, four lengths, each string tied with silver wire, 1 bundle in box..... Per bundle 4 00
"A" 24. Same quality as E 43, 1 bdl. in box. " 4 00
"D" 19. " " E 43, 1 " 4 00
"E" 97. Fine quality clear gut, three lengths, 1 bundle in box . . . . . Per bundle 3 00
"A" 16. Same quality as E 97, 1 bdl. in box. " 3 00
"D" 12 " " E 97, 1 " 3 00
"E" 90. Good quality gut, two and one-half lengths, 1 bundle in tin box..... . . .Per bundle 1 80
"A" 91. Same quality as E 90 . . " 1 80
"D" 92 " " E 90 . . . " 2 20

G 30 $1.00 doz

"G" STRINGS

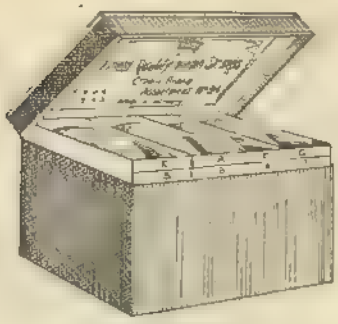
"G" 30. Extra fine quality silver wire, wound on best gut, dark yellow ends, 1 doz. in box Doz 1 00
"G" 26 Fine quality silver wire, wound on gut, dark yellow ends . Doz. 60

Steel Strings

STEEL STRINGS

E Silvered, 1 doz. in box Doz. 20
A " 1 " " 20
D. " 1 " " 20
G. " wound, 1 doz. in box. . . . . Doz. 50
Steel Set, contains one each E, A, D and G steel springs, each set in box. ..... Doz. sets 3 60

String Assortments



No. 94. $3.00 each

94. Violin Assortment, leatherette compartment box containing fine quality gut strings, wrapped in tin foil, as follows: 15 E, 8 A, 4 D and 3 G. Sold only in full box assortment.....Per box $3 00
96. Banjo Assortment, silk leatherette compartment box containing fine quality silk strings, as follows: 3 1st, 2 2nd, 1 3rd and 1 4th . . . .Per box 50
95. Banjo Assortment, gut, same as 96, but containing gut strings. . . . . Per box 70

GUITAR STRINGS

"D 33 Finest quality spun on wire silk, fancy ends, 1 dozen in box. Doz 1 10
"A" 33 As above, 1 dozen in box . . . Doz. 1 40
"E 33. As above, 1 dozen in box Doz. 1 40

Steel Set, one each 1st, 2nd, 3rd, 4th, 5th and 6th, 1 set in box, ...Doz. sets $4 00
Guitar Steel Strings, E, B or G, 1 dozen in box.....Gross 3 00

Steel Guitar

BANJO STRINGS—STEEL

1st Silvered steel wire . Doz $0 25
2nd " " " 25
3rd. " " " 25
5th " " " 25
4th Spun on steel, 36 inches long 60

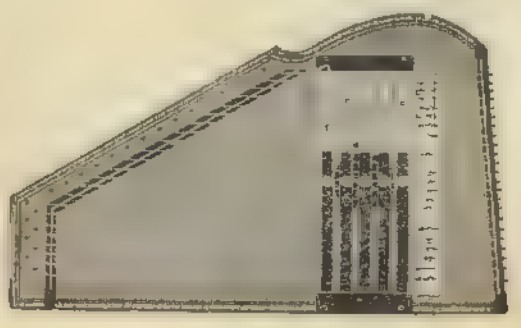
BANJO SET

Steel Set, each set in box, Doz. sets 4 00

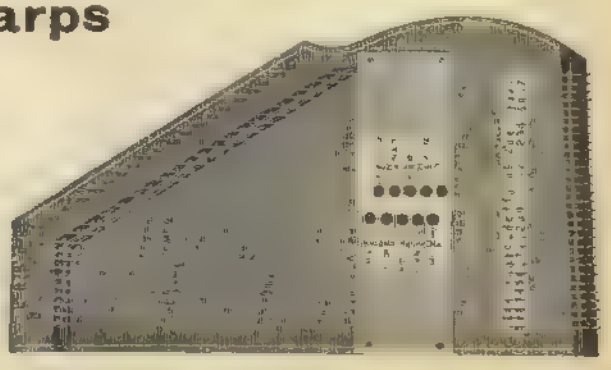
MANDOLIN STRINGS

E First and A Second..... . . . . Doz. 20
D Third and G Fourth, spun. 50
Complete sets, 1 set in box . . . . Doz. sets 4 80

Autoharps



No. 5. $3.00 each

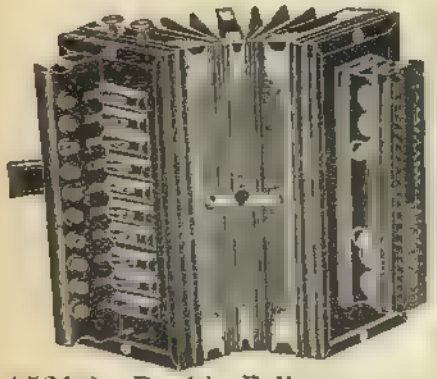


No. 10. $6.80 each

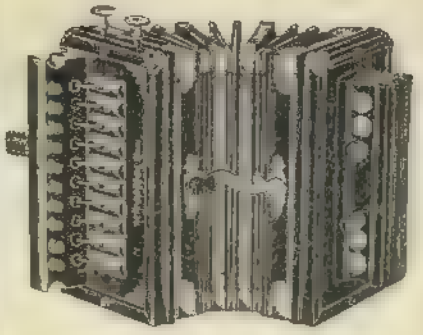
Dark polished bodies, felt cushioned bars with bone finger buttons. Each instrument packed in stained and varnished wood box, with self-instruction book, tuning wrench, two picks and wire music rest.

3 Bars, 23 strings, producing 3 chords. . Each $3 10
4 Bars, 23 " " 4 " . . . . . " 3 30
5 Bars, 23 " " 5 " . . . . . " 3 60
6. 6 Bars, 24 strings, producing 6 chords.. . Each $5 20
10. 10 Bars, improved cover bar system, 30 strings, producing 10 chords. . . . . Each 6 80

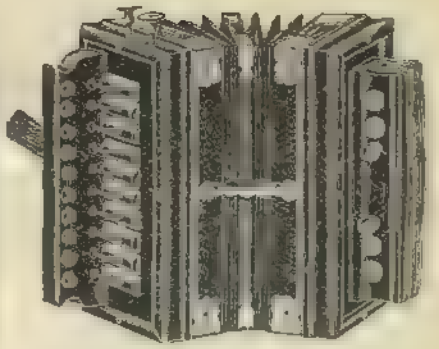
Accordions



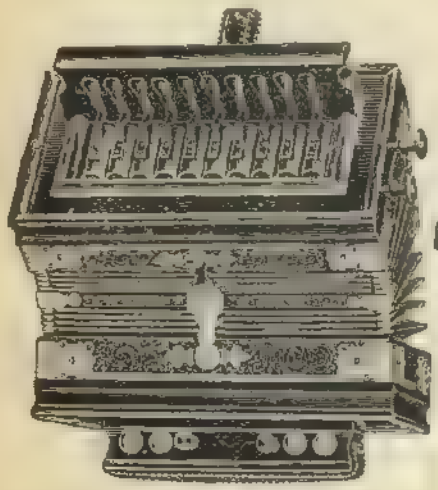
1521 2. Double Bellows, same as our No. 5211, special but double bellows. Without doubt the best value cheap double bellows accordion on the market. Each in box ..... Each **$2.00**



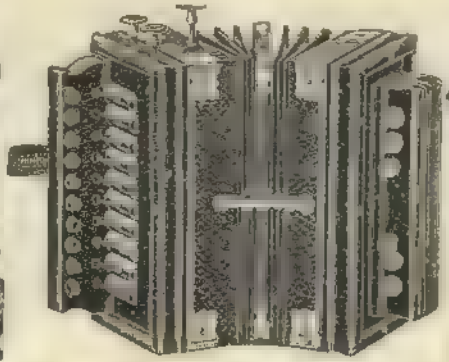
81/13. Triple Bellows, miniature, size 8¼ x 4¼ in., black polished case, four fancy crown corners on top, ten keys, two basses, nickel trimming, each in box.. .....Each **$2.70**



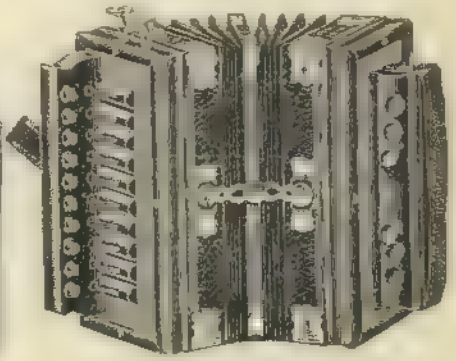
435 1. Pine Tree, miniature, size 9¼ x 4½ in., polished black genuine Russian Alder wood frames, double bellows, nickel valves, ten keys, two sets of reeds, two stops, each in box... ....Each **$3.10**



81/12. Crown Accordion, full size 10 x 5½ in., double bellows, with metal corners, black polished case, full nickel trimmed, open action with two sets of reeds .... .. Each **$3.20**

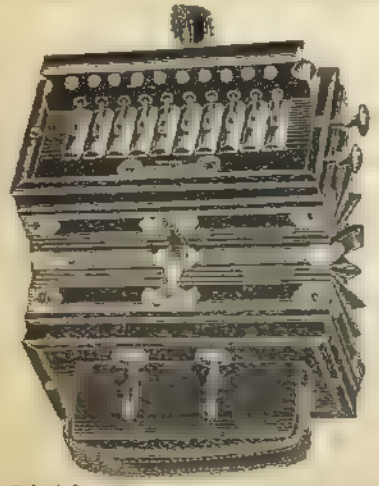


435/2. Pine Tree, miniature, size 9¼ x 4½ in., polished black genuine Russian Alder wood frames, double bellows, nickel valves, ten keys, two sets reeds, two stops, patent tremolo attachment, each in box Each **$3.60**

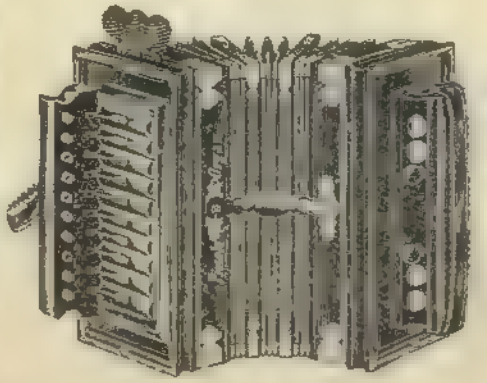


435 3. Pine Tree, miniature, size 9½ x 4½ in., bronze frame with silver panels, bright colored bellows folds, ten keys, two sets of reeds, two stops, each in box . . Each **$3.60**

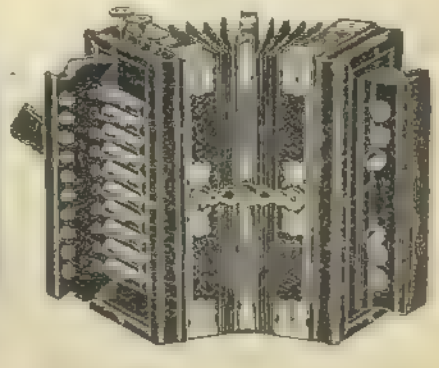
435/4. As 435/3, but with patent tremolo attachment Each **$4 10**



81 16. Empress, miniature, size 8½ x 4½ in. Polished black case, black bellows covering, nickel trimmings, double bellows, nickel valves, ten keys, two stops, two basses and two sets of reeds. Each in box... .. .. Each **$4 00**



81 14. Piccolo Organ, size 9¼ x 5 in., black polished case, full nickel trimmed, triple bellows, with metal corners, two sets of organ toned reeds, and one set piccolo tone reeds. ....Each **$4.00**

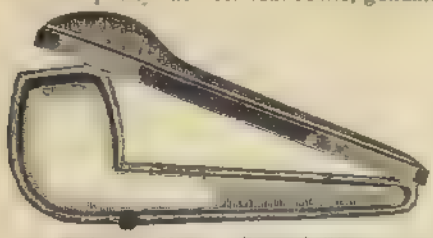


435 5. Pine Tree, miniature, size 9¼ x 5¼ in., polished black genuine Russian Alder wood frames, double bellows, nickel valves, ten keys, three sets reeds, three stops, each in box..... ....Each **$4.40**

Trade Discount on all Prices in this Catalogue. Terms 5 30 days.

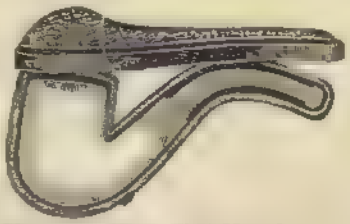
Fine Quality Meerchaums

All first quality meerschaum bowls, genuine amber mouthpieces. Cases finest quality morocco, with gold line border, plush lined



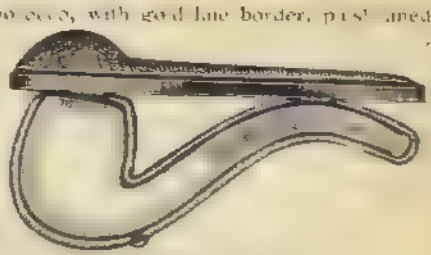
Billiard Shape Round Stem

B 7. Medium size 3 inch amber ..... Each $5 00
B 8. Large size 3¼ inch amber ..... Each 5.50
B 9. Extra large size 3½ inch amber ..... Each 6.00



Glasgow Bent, Flat Mouthpiece

G 5. Small size, 2½ inch amber ..... each $6 00
G 6. Medium size, 3 inch amber ..... Each 7.50
G 8. Large size, 3½ inch amber ..... Each 9.00



Bent Shape Round Stem

R.B.7. Medium size 3 inch amber ..... Each $6.50
R.B.8 Large size 3½ inch amber ..... Each 7 50

Leather Case Pipe Companions

S 62. "Chubby" style contains two first quality briar pipes with Hall marked sterling silver ferrules, one bent vulcanite stem and one round-straight amber mouthpiece, in plush lined morocco case. Packed snugly..... Each $4 00

395 3. Fitted with one full bulldog with engraved sterling silver rim and ferrule, with one vulcanite and one amber mouthpiece, and one straight flat stem, plain sterling silver ferrule with one amber and one polished horn mouthpiece, in grey chamois lined morocco case. . Each $8 10

Fine Amber Cigar Holders—in cases

No. 252/2. $2.00 each

252 2. Fine quality amber, 2 inches long, ¼ inch plain sterling silver band, full fine leather case ..... Each $2 00
F 6. Smaller than above but with gold band, plush lined morocco case ..... Each 2 50

No. F 16. $2.50 each

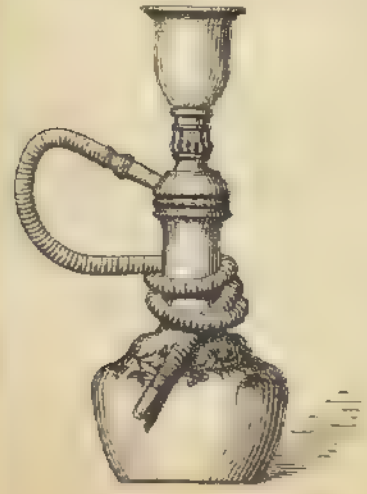
F 16. Fine quality amber, 2 inches long, narrow gold band and shield for engraving, plush lined leather case ..... Each $2 50
F 14. As above but holder is 2½ inches long ..... Each 3 00

Hookah Pipes

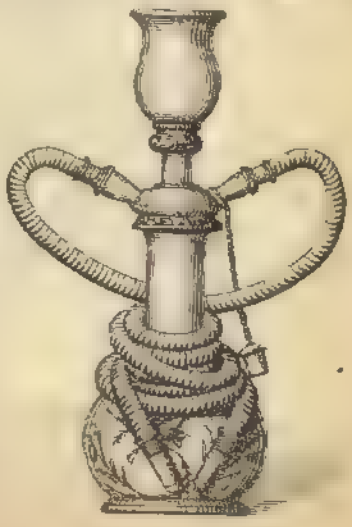
also known as Turkish Pipes

Fancy colored glass bowl with colored enamel decoration, silver plated mounting, imitation meerchaum tobacco bowl and cigar attachment, flexible tubes with amberoid mouthpiece

671 10. Height 9 in., one tube..... Each $2.50
671 11. Height 10½ in., two tubes ..... Each 4.00
671 12. Height 11½ in., three tubes ..... Each 16.00



No. 671/10. $2.50 each



No. 671/11. $4.00 each

House Pipes

No. S115. $2.70 dozen.

S115. Medium size, **imitation meerschaum bowl,** cherry stem, vulcanite mouthpiece, entire length 6 inches, 1 doz in pkg..... .....Doz. **$2.70**

S116. Large size, entire length 8¼ inches, otherwise as S115, ½ doz. in pkg ....Doz. **$4 00**

48 1. Assorted sizes, wood stem, 3 doz. in box.....Doz. **$0.40**

48 8. Sweet Cherry, assorted sizes, wood stem, 2 doz. in pkg. Doz. **$0.80**

48 3 Cherry Bowl, assorted sizes, polished wood stem, vulcanite mouthpiece, entire length 8½ inches, 1 doz in pkg.. .... Doz. **$0.80**

48/4. As 48 3, but larger size, length 12 inches, 1 doz. in pkg .... Doz **$1.50**

671/33. Large Cherry House Pipe, cherry bowl, long cherry stem, flexible connection and wood mouthpiece making stem 19 inches in length. Fancy cord and tassel, splendid house pipe, ½ doz. in pkg . . .. Doz. **$2.40**

Pipe Mounts

755A. Bent vulcanite, assorted styles and sizes, nickel ferrules, 1 doz. assorted on card.....Doz. **$1 40**

146. Flat vulcanite, small, nickel ferrules, 1 doz. on card.....Doz. **$1.30**

782. As 146, but large size " **$1.40**

130/5. Round straight vulcanite, large size, 3 in. long, nickel ferrule, 1 doz. on card..... . ..... Doz. **$1.30**

125/5. Round straight vulcanite, large size, 3 in. long, saddle mouthpiece, nickel ferrule, 1 doz. on card.....Doz. **$1.30**

No. 386/1. 80c. dozen.

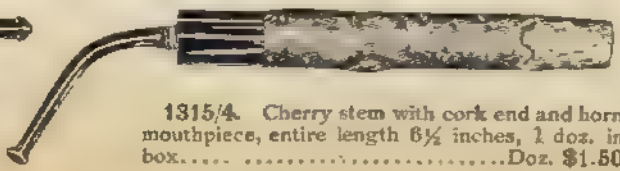
386/1. Round straight vulcanite, assorted sizes, nickel ferrule, 1 doz. on card ....Doz. **$0.80**

1674. Round straight vulcanite, small size, nickel ferrule, 1 doz. on card..... . . .. Doz. **$0.80**

1677. As 1674, but medium size, 1 doz. on card.....Doz. **$0.80**

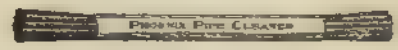
130/1. First quality hard rubber, push style, 2¾ in. long, 1 doz. on card.... ... .Doz. **$0.80**

0308. Push vulcanite, straight shape, 1 doz. assorted sizes on card .....Doz. **$0.60**



1315/4. Cherry stem with cork end and horn mouthpiece, entire length 6½ inches, 1 doz. in box..... .....Doz. **$1.50**

Pipe Cleaners



Phœnix Pipe Cleaners, best quality wool texture brush on wire, length 9 ins., 12 cleaners in pkg.....Doz. pkg. **$0.60**

"Kismet" Pipe Cleaner, vest pocket edition, size 4 x 2½ inches, 1 doz. in pkg. .....Doz. pkg. **$0.80**

542½. English amber, round and flat, nickel ferrule, 1 doz. assorted sizes on card ..... Doz. **$1.60**

591A. As 542½, but all flat shape.... .....Doz **$1 80**

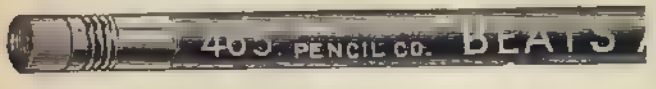
130/2. First quality hard rubber, push style, bent shape, 1 doz. on card.... . .. . Doz. **$0.80**

D308½. Push vulcanite, saddle bent pattern, 2½ in. long, 1 doz. on card.... .... Doz. **$0.60**

Lead Pencils

American Pencil Co.'s

1040. Dickens, round, cedar polish, stamped inserted rubber, 1 gross in box.. . . . . .Gross $2 00
D.O.C. Dominion of Canada, red finish, gilt stamp, nickel tip and rubber, ½ gross in pkg.. . . . Gross 2 80



465. Beats all, round, gilt stamp, nickel tip and rubber, ½ gross in box.... ... .Gross $3 60
468. Rhinoceros, Hexagon, gilt stamp, tip and rubber, ½ gross in box. .... Gross 3 60

517. Autograph, round, embossed finish, nickel tip and rubber, medium lead, 1 doz. in pkg . . . . Doz. $0 54
518. As 517, but hard lead .... Doz. 54

No. 436 SYMPHONY ROUND—No. 446 SYMPHONY HEXAGON.

436. Symphony, round, glass finish, nickel tip and rubber, silver stamp, medium lead, 1 doz. in fancy bouquet box .... Doz. 60
437. As 436, but hard lead..... .. . ... Doz. 60

446. Symphony, Hexagon shape, medium lead, 1 doz. in fancy box.....Doz. $0 67
447. As 446, but hard lead..... .....Doz. 67
1700. Assorted, four kinds, glass finished pencils, with nickel tip and rubber, 1 doz. assorted on display card . . . . . Doz. 67

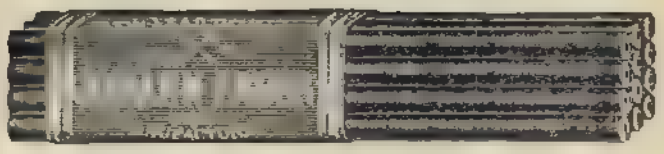
43. On the Square. square shape, assorted colors, nickel tip and rubber, 1 doz. in fancy box.....Doz. $0 70

1122. Senator. large taper shape, glass finish, silver stamp, inserted rubber, 1 doz. in box.... ...Doz $0 67

262. Diary, thin round shape, nickel tip and rubber, ½ gross in pkg... ... .Gross $3 60

1642. Gothic Assortment. contains 6 doz assorted round and hexagon pencils, with gilt tip and rubber, assorted colors, glass finish, put up 6 doz. in attractively colored "Gothic" box....Per box **$4.00**

Johann Faber's Make



2959. Bank of Montreal, round, silver stamp, assorted, 3 doz. "H.B.," 2 doz. "H." and 1 doz. "B.B." ½ gross in box ....Gross $4 00

1801/2. Assortment, contains 6 doz. assorted, round and hexagon pencils, with gilt tip and rubber, gilt stamp, assorted colors, glaze finish, put up 6 doz. in attractive display box..... .....Per box $4 20

1223 Golden Rod, highly polished, golden finish, fine quality graphite, can be had in "B.B.," "H.B," "H." and "H.H." 1 doz. of one grade in box..Doz. $0 70

1250. Appollo, Hexagon shape, dark finish, gold stamped, "warranted to contain pure graphite" "B.B.," "H.B.," "H.," "H.H.," and "H.H.H.H." . . . . . Doz. $1 40

1235. Adonis, Hexagon shape, polished golden finish, same grades as No. 1250..... Doz. $1 40

Marking Crayons

140. Black. 6 inch, pencil size. For checking or marking parcels, bundles, waybills and newspaper bulletin work, rough checking and general office work; also marks cloth, leather, tin and metals, 1 doz. in box ..... Doz. $0 50

142. Red. As above, 1 doz. in box ..... Doz. 50

141. Blue. As above, 1 doz. in box ..... Doz. 60

150. "Electric" Marking Crayon, Black. 5 inches long, ⅜ inch diameter, paper wrapped, waterproof, for marking leather, paper boxes, bundles, sacks, etc., 1 doz. in box ..... Doz. $0 54

151. Blue. As above, 1 doz. in box ..... Doz. 54

152. Red. As above, 1 doz. in box ..... Doz. 54

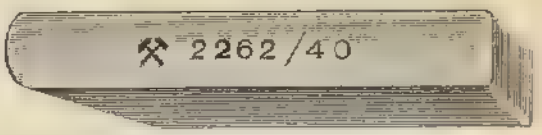
No. 1173. Lumber Crayon. 60c dozen

1173 Black Lumber Crayon. Hexagon shape, 1 doz. in box ..... Doz. $0 60

1172. Red. As above, 1 doz. in box ..... Doz. 60

1171. Blue. As above, 1 doz. in box ..... Doz. 60

Rubber Erasers



2262/120. Faber's wedge shape, small size 120 to the pound, 1 pound (120 pieces) in box ..... Per box $1 60

2262/60. As above, but medium size, 60 to the pound, 1 pound (60 pieces) in box ..... Per box 1 60

2211/40. Faber's fine quality soft rubber eraser, square shape, 40 to the pound, 1 pound (40 pieces) in box ..... Per box $2 40

Programme Pencils

495. Johann Faber's Programme Pencils, sharpened points, metal tip, silk cord and tassels to match color of pencil. Can be had in white, light blue or pink colors. 1 gross one color or assorted in box ..... Per gross $4 00

Penholders

650. Large, swell shape, black, glass finish, ½ gross in box ..... Gross $3 60

No. 673. As cut, but onyx and ivory finish 68c dozen

673. Marble, onyx and old ivory, glass finish, long taper shape, 1 doz. assorted on display card ..... Doz. 68

1777. Swell shape, red, white and blue, glass finish fancy metal holder, 1 doz in pkg ..... Doz. 68

Where package quantity is mentioned we cannot supply smaller lot

ALLIES AND MARBLES

STONE MARBLES

First quality goods, full count

	Per bag
Grey, 1000 in bag	$1 00
Colored, 1000 in bag	1.20

Marbles in full cask lots (50 bags) quoted on application.

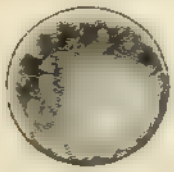
STONE BOWLERS

Size		Per 100
18.	Grey, 100 in bag	$1 50
15.	Colored, Assorted, 100 in bag	1.30
17.	Colored, Assorted, 100 in bag	1.70

BALLOT MARBLES

	Per 100
White, 100 in box	$0.30
Black, "	.80

BROWN AGATES



Size 3

Brown glaze surface.

Size			Per 100
1.	Brown Agates, 100 in box		$0.84
2.	"	"	.48
3.	"	"	.70
4.	"	"	.90
5.	"	"	1.10

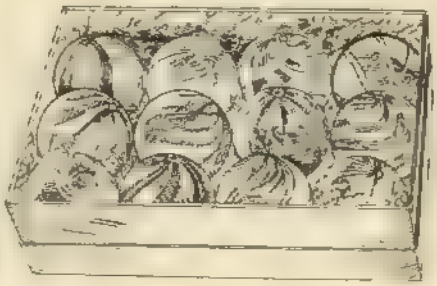
Be Sure and Specify Size Required

TWISTED ALLIES

Size 3

Pure Crystal body, beautiful surface and inner twist coloring.

Size			Per 100
0.	Twisted, 100 in box		$0.40
1.	"	"	.50
2.	"	"	.70
3.	"	"	1.00
4.	"	50 in box	1 40
5	"	"	2.00
6		25 in box	2.60



			Dozen
7.	Twisted, 1 doz. in box		$0.60
8.	"	"	.72

KLONDYKE ALLIES

Size 3

Twisted coloring, with under-surface gold brilliancy between.

Size			Per 100
0.	Klondyke, 100 in box		$0 90
1.	"	"	1 10
2.	"	25 in box	1.40
3.	"	"	2.00

SPANGLED ALLIES

Size 3

Assorted colored bodies with snowflake spangles.

Size			Per 1000
1.	Spangled, 100 in box		$0.50
2.	"	"	.70
3.	"	"	1.00
4.	"	"	1.50

OPAL AGATES

Size 3

Opal body, twisted surface

Size			Per 100
0.	Opal Agate, 100 in box		$0.80
1.	"	"	1.00
2.	"	"	1.30

RED AGATES

1.	Red Agates, 100 in box		$2 40
2.	"	50 in box	3.60

FINE ONYZ AGATES

A splendid imitation of real agates. Perfect in shape and all in assorted colorings. The finest goods of kind ever produced.

No.			Per 100
1.	(Size 2.)	100 in display box	$1 80
3.	(Size 3.)	50 "	3 00
7.	(Size 5.)	25 "	5.00

REAL AGATES

	Per 100
5, 0/2. Assorted small and medium sizes, 25 assorted in box	$8.00
5, 2/4. Assorted medium and large sizes, 25 assorted in box	18.00

FIGURED ALLIES

In Boxes

No. 6, Figured, 76c. dozen.

Size		Dozen
6.	Figured, assorted, silver animals, 1 doz. in wooden box	$0 76
9.	Figured, assorted, silver animals, 1 doz. in wooden box.	1.50

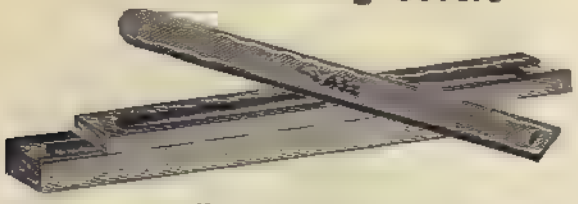
JACKSTONES

No. 0, 28c. gross. No. 3, 34c gross.

Size		
0.	Coppered finish, 2 gross in pkg	Gross $0.28
3.	Coppered finish, 1 gross in pkg	Gross .54

Pencil Boxes

Hardwood Sliding Covers



No. 299/23. 75c. dozen

299/23. Maplewood, natural finish, two sliding sections, sliding cover, with embossed border and floral transfer, size 9¼ x 1⅝ in., 1 doz. in pkg.....Doz. $0.70

299/34. White enamel finish, swing combination style, two compartments, sliding cover with flora transfer, size 9¼ x 1⅜ x 1⅜ in., 1 doz. in pkg.....Doz 1.60

No. 299/32

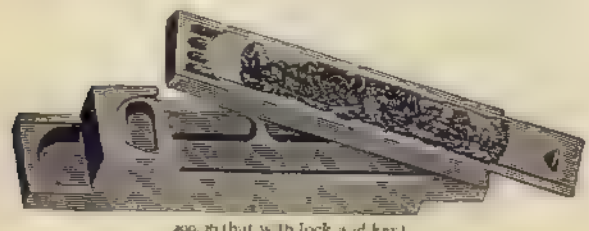
299/32. Maplewood, natural finish, sliding cover with floral transfer, one long and two short compartments, size 2¼ x 9¼ in., 1 doz. in pkg.....Doz. $0.84

299/33. Maplewood, natural finish, two compartments, floral decorated sliding cover on one, and 9 in. sliding cover rule on other, size 9⅛ x 1¾ in., 1 doz. in pkg .Doz. $0.80

299/30. Maplewood, natural finish, two large compartments, with fancy decorated cover on one and 9 in. cover rule on other, size 9¼ x 2½ x 1 in., 1 doz. in pkg. .....Doz. 1.40

439/1. Polished maple, with rich floral top, one large bottom compartment, three long and one small compartment in top, size 9¼ x 2⅜ x 1⅜ in., 1 doz. in pkg.....Doz. $1.60

Combination Style, Lock and Key



299/36 (but with lock and key)

439/2. Polished maple, with handsomely lithographed top, showing Canadian coat of arms, two separate sections, divided into compartments as illustrated in two upper sections of No. 299/36, lock and key, size 9½ x 2 x 1½ in., 1 doz. in pkg.....Doz. $2.40

299/36. Extra value 25c. line, highly polished maple, picture top, three separate sections divided into compartments as illustrated, but has lock and key, size 9¼ x 2 x 2 in., ½ doz. in pkg.....Doz. 3.30

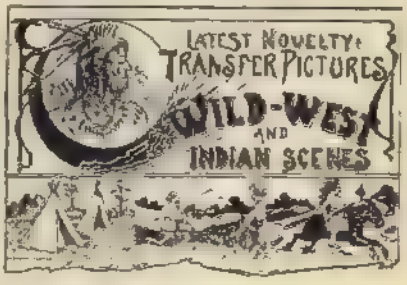
PENCIL BOXES—*Continued*

Hinge Cover with Lock and Key

493/1. Stained lithographed picture on top, three compartments, size 8¾ in. long and 2⅝ in. wide, 1 doz in pkg.....Doz. $0.66

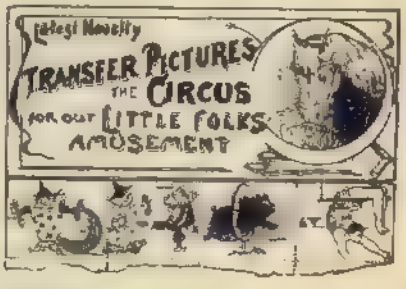
493/2. As 493/1, but fitted with metal top glass ink bottle, 1 doz. in pkg.....Doz. 0.90

TRANSFER PICTURES



99/340. Wild West Pictures, 33 pictures on sheet, 1 gross sheets in pkg.....Gross $1.90

99/326. Assorted alphabet, postage stamps, crests, girls and boys names, birds and flowers, etc., 1 gross assorted in pkg .....Gross $1.90



99/340. The Circus, 40 pictures on sheet, 1 gross sheets in pkg.....Gross $1.90

99/342. Fruits and Flowers, assorted, 72 pictures on sheet, 1 gross sheets in pkg.....Gross 1.90

School Paints

are listed with Toy Paints in Toy section of this Catalogue (see index)

School Crayons

90. "Brownie" Oil Crayons, one cent special, 7 colors, carton printed in three colors, size 2 x 1⅛ inches, 1 gross in box. Gross **$1.92**

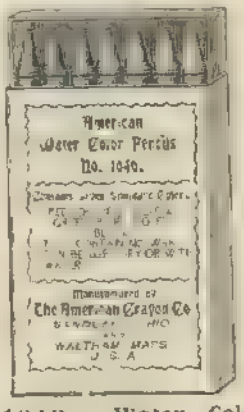
96. "Surprise" Oil Crayons, 9 oil crayons in red colored carton, ½ gross in box..... ..Gross **$2.00**

16. Colored Chalk, 6 colors, 3¼ inch chalk, paper cartons, ½ gross cartons in wood box.....Gross **$2.00**

335. "Buckeye," 12 oil crayons in round wood box with wood crayon holder, height of box 3 inches, 3 doz. in pkg....Doz. **70c**

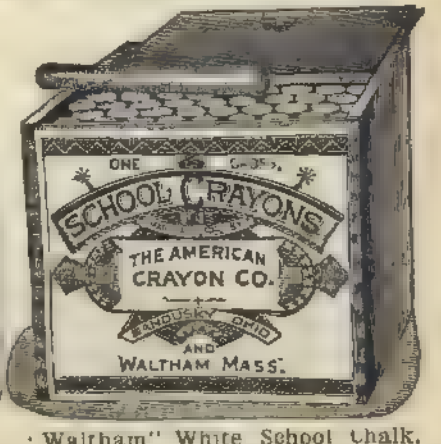
10 "Crescent," three color carton, size 2¼ x 4½ inches, 12 paper wrapped oil crayons, 1 doz. in pkg.... .....Doz **70c**

1041. "Paragon" water color pencils, may be used dry or with water, 7 paper wrapped crayons in carton box, size 2 x 3½ inches, 1 doz. in pkg ..... Doz. **80c**



1040. Water Color Pencils, 7 paper wrapped pencils in sliding telescope box, size 2¼ x 3¼ inches, 1 doz. in pkg Doz. **$1.50**

1300 Extra Special 28 oil crayons in telescope carton box, size 7 x 2¼ in. The largest and best quality of crayon box ever offered to retail at 5 cents, 1 doz. in pkg..... ..Doz **84c**



"Waltham" White School Chalk, plain finish, 1 gross in wood box . .....Doz. boxes **$3.00**

"Waltham" Enamelled, as above but enamel finish, 1 gross in wood box.. .....Doz. boxes **$3.50**

Surprise Boxes

No. 403/6, assorted. 76c. doz.

No. 281/4 assorted. $1.30 doz.

281 1. **Twins,** two figures side by side in box 4¼ x 2¼ in., 1 doz. in pkg..... Doz. $0 70

403/6. **Assorted Comic Figures,** with voice, height open 5½ in., size of box 3 x 3 in., 1 doz. assorted in pkg..... Doz. 76

281 3. As above, but larger, size open 6¼ in. high, size of box 3¼ x 3¼ in., 1 doz. assorted in pkg. ..... Doz. 1 30

403 68. **Twins,** two figures side by side in box, 5 x 2½ in., 1 doz. in pkg..... Doz. 1 20

No. 403/57, assorted. $1.60 doz.

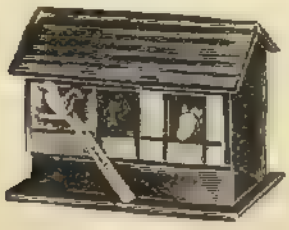
No. 281/44, assorted $3.60 doz.

403 57 **Assorted Comic Figures,** with voice assorted picture fronts, height open 7 in., size of box 4 x 4 in., extra value for ten cent line, being usual 15 cent line, 1 doz. assorted in pkg..... Doz. $1 60

281 4. Similar to above, but better quality, and finish ½ doz assorted in pkg. ..... Doz. 2 40

281 44. **Six kinds,** fine finished figures with folding hats, height open 9½ in., size of box 5 x 6 in., ½ doz. in pkg ..... Doz. 3 60

Stable



411 64. **Natural wood stable,** size 6¾ x 5 in., has horse and cow with bellows voice, worked by string from back, has also sheep pen and fowl house, ½ doz. in pkg ..... Doz. $ 5 40

Bellows Toys

6173. **Twelve kinds assorted,** papier mache animals and fowls on bellows with voice, average height 4½ in., 1 doz. assorted in pkg..... Doz. $0 76

6174 As 6173, but larger size, average height being 6½ in., 1 doz. assorted in pkg..... Doz. 1 60

156 265. **Woolly Lamb,** on bellows, size 4½ x 4 in., 2 doz. in pkg ..... Doz. 70

No. 96/5. $1.70 doz.

96/5. **Assorted Rooster and Duck,** cloth covered bellows with voice, figures cloth covered with feather tails, red flannel combs and showily decorated, height 7 in., 1 doz. in pkg..... Doz. 1 70

CRYING FACES

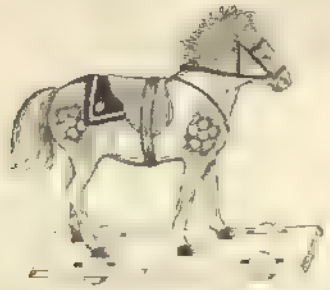
No. 99/708. 70c. doz.

No. 99/709. $1.30 doz.

99 708. Composition faces, with natural tints when squeezed, a cry proceeds from the open mouth, strong cloth bellows and gilt trimmings, diameter 2 in., 2 doz. in pkg..... Doz. 70

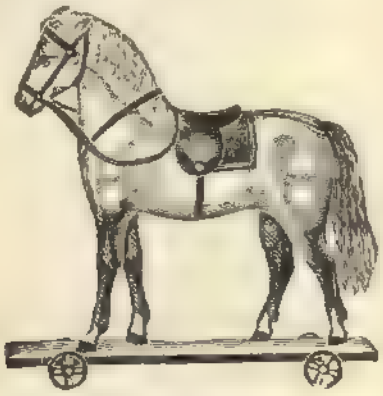
99 709. As above, but 3 in. in diameter, and a stronger voice 1 doz. in pkg..... Doz. 1 30

Papier Mache Horses



On platform with wooden wheels, well painted horses.

271/27. Height 5½ in., 1 doz. in pkg..... Doz. $0 80
271/45. Height 6 in., 1 doz. in pkg ..... Doz. 1 30
271/28. Height 6½ in., 1 doz. in pkg..... Doz. 1 50



No. 156/263. $2.00 dozen

Following have metal wheels—

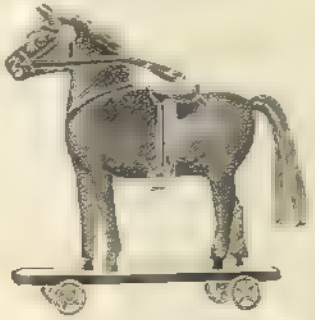
271/29½. Height 8 in., ½ doz. in pkg..... Doz. $2 40
271/30 Height 9½ in., ½ doz. in pkg..... Doz. 3 20
156/263. Height 11 in., ½ doz. in pkg..... Doz. 4 00

Wood Horses

119/00 Well shaped wood body, fast finish, in dapple gray and brown shades, varnished platform with iron wheels and tongue handle, length 12½ in., height 11 in., each wrapped separately . Doz. $8 00
119/0. As above, but is 12½ in. high and 12½ in. long, each wrapped separately ..... Doz. 11 00
119/1. As above, but is 13 in. high and 14½ in. long Doz. 14 40
119/2. As above, but is 15 in. high and 15½ in. long. Doz. 18 00
119/3. As above, but is 18 in. high and 17 in. long Doz. 24 00

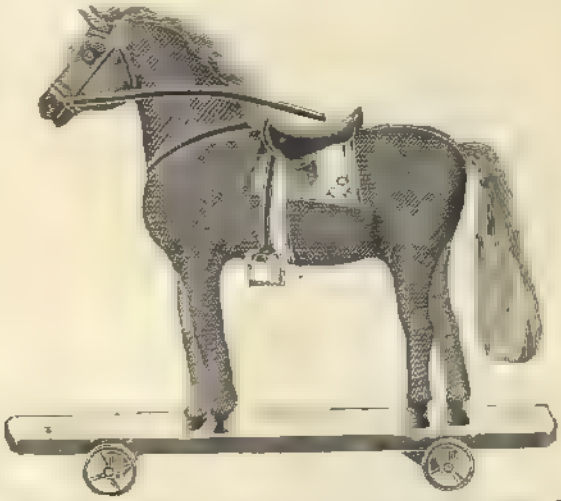
Plush Horses

Horses are covered with wool plush, have leather colored saddle and bridle, mounted on varnished platforms with iron wheels. All except 431/1 have stirrups.



No. 431/2. $8.00 dozen

431/1. Height 7½ in., ⅙ doz. in pkg ..... Doz. $4 00
431/1½. Height 9 in., ½ doz. in pkg ..... Doz. 6 00
431/2. Height 10½ in., platform 12 in., ⅙ doz. in pkg. Doz. 8 00



431/3. Height 14 in., platform 12 in., each in pkg Doz. 12 00
431/4. Height 17 in., platform 16 in., each in pkg Doz. 18 00
431/5. Height 20 in., platform 19 in., each in pkg Doz. 24 00
431/6. Height 21 in., platform 22 in., each in pkg Doz. 32 00

Leather Cows

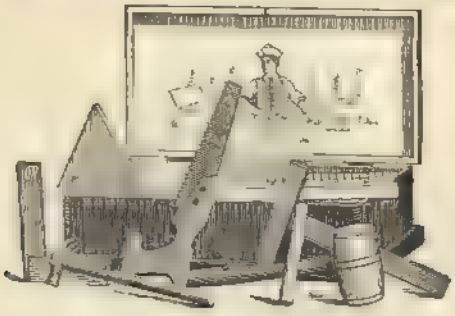
Moving Head and Voice

Leather covered body, mounted on polished wood platform, with iron wheels, has moving head and voice bellow.

281/19. 10 in. long, 8 in. high, ⅙ doz. in pkg..... Doz. $12 00
281/20. 11½ in. long, 8½ in. high, each in pkg.. Doz. 16 80
281/21. 16 in. long, 11 in. high, each in pkg Doz. 24 00

Boys' Tool Chests

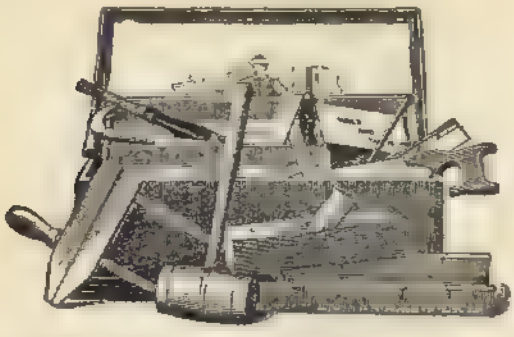
Chests are made of Hardwood, with Cherry Mouldings. All have Locked corners, are well put together and in oil and varnish finish. Hinged covers and hook fastenings.



874. Contains seven tools, size 10¾ x 5¼ x 3¼ in., packed singly . . . . . Doz. $ 5.50

878. Contains about fifteen tools, size 15 x 8 x 5½ in., packed singly . . . . . Doz. $20.40

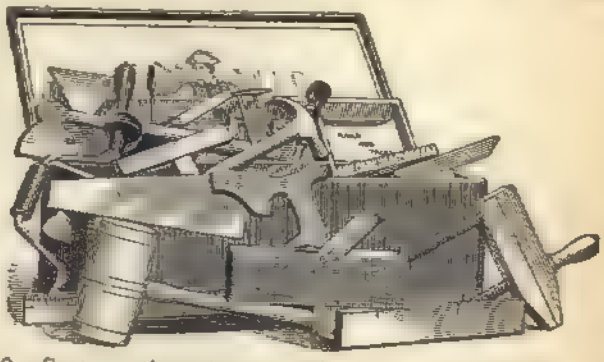
879. Contains about fifteen tools, size 16 x 8½ x 6 in., packed singly . . . . . Doz. 24.00



875. Contains about ten tools, including plane, size 12 x 6½ x 3½, packed singly . . . . . Doz. 7.50

876. Contains about ten tools, has moveable tray, size 12½ x 6¼ x 4½ in., packed singly . . Doz. 11.50

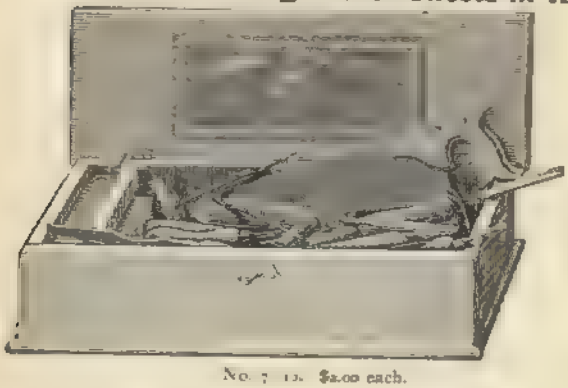
877. Contains about twelve tools, size 15 x 7 x 5½ in., packed singly. Doz. 14.40



880. Contains about twenty tools, including boring brace, size 17½ x 9 x 7 in . . . . . Doz. 28.80

Fine Quality Tool Chests

Attractive hinge cover Chests in varnished finish. Fitted with extra quality tools.



No. 71/10. $2.00 each.

71/10. Contains saw 11 in. long, hammer, beech mallet, chisel, gouge, screw driver, gimlet, 2 awls, rule, tackhitter and supply of tacks and brads, chest 13¾ by 5 in . . . . . Each $2.00

71/11. Similar to 71/10, but contains in addition a four inch iron smoothing plane and pair of steel pliers, and all cutting tools are English steel . Each 3.00

71/12. Contains saw 12 in. long, hammer, beech mallet, chisel, gouge, screw driver, spoke-shave, gimlet, rule, awl, nail punch and supply of nails, size of chest 16 x 6¾ in., with lock and key and end handles, all cutting goods are of English steel . . . . . Each 4.50

71/13. As 71/12, but contains in addition an iron plane, pair of pliers and spirit level, size of chest 17 x 7 in. . . . . Each 6.00

71/14. Gentlemen's Tool Chest, a handsome set of fine quality useful tools, as illustrated, contains saw, 13 in. long, full size hammer and hatchet, iron plane, boring brace, with 2 bits, 2 chisels, gouge, 2 gimlets, spoke-shave, marking gauge, beech mallet, handy set of small tools in hollow handle, pair of pincers, handled file, 2 ft. boxwood rule, nail punch and supply of nails, size of chest 18¼ x 11 in., with lock and key and end handles . . . . Each $10.00

Bisque Candlebra

164/26. **Single Candlestick,** rustic design, assorted boy and girl figures, in pairs. Height 8 inches, ½ doz. (three pairs) assorted in pkg..... ...Doz. $4.00

164/27 **Double Candlestick,** assorted boy and girl figures, in pairs, rustic design in colors and gold. Height 8½ inches, ½ doz. (two pairs) assorted in pkg.....Doz. $8.00

164/28. **Candlestick.** Three rustic branches, assorted boys and girls, in pairs. Height 11½ inches, decorated in colors and gold. ½ doz (one pair) in pkg. Doz. $12.00

164/38. As above, but larger. Height 14 inches, ½ doz. (one pair) in pkg .Doz 16.80

Rose Scents

Bisque China

331/1. Assorted pink and cream roses with stem handle, ground stopper and perfume bottle in centre. Size 2¼ x 4 inches, ½ doz. in pkg .. .. Doz. $3.20

331/2. Similar to 331/1, but larger size rose, and has green leaf spray. Size 3 x 5 ins., ½ doz in pkg. Doz. 4.00

331/3. One large and one small rose, perfume bottle at stem. Size 3 x 5 inches, ½ doz. in pkg.....Doz. 6.00

331/4. One pink and one cream rose, stem handle in centre with tinted leaf stand, two perfume bottles, ½ doz. in pkg ...Doz. 8.00

Dutch Figures—Dutch Costume

30/78 Assorted boys and girls in sitting position. Size 4½ x 5 inches. ½ doz. (three pairs) in pkg. Doz $4.00

30/79. As above, but larger. Size 5 x 6½ inches, ½ doz. (two pairs) in pkg .. .. Doz. 8.40

30/80. As above, but larger. Size 6½ x 7½ inches, ½ doz (one pair) in pkg. .. .. .. Doz. 16.80

30/85. Assorted double figures, two styles, "The Quarrel" and "The make up Kiss." Height 5¼ inches, ½ doz. (three pairs) in pkg .. Doz. $4.00

30/86. As above, but larger. Height 6½ inches, ½ doz. (two pairs) in pkg .. .. .. Doz. 8.00

30/87. As above, but larger. Height 8½ inches, ½ doz. (one pair) in pkg.....Doz. 16.00

China Toys and Novelties

9/13. Assorted Animals, twelve kinds tame and wild animals, made of china and painted in natural colors, size about 3 x 2½ inches, 1 doz. (12 kinds) in pkg.....Doz. $0 70

No 18/4. 60c. doz

S 124 Cuckoo Whistle, embossed and finished in color-glaze, large size 4½ x 4 inches, 1 doz. in pkg. .....Doz. 1 60

No. 443. 80c. doz

443/1. Assorted Bird Whistles, brightly colored birds, canaries, parrots etc., average size 4 inches high, 1 doz. assorted in pkg ... Doz 80

443/2 As above, but larger size, average height 4½ inches, 1 doz. assorted in pkg . . .Doz 1 50

No. 443/4. $2.60 doz.

443/4. Santa Claus Bank, with whistle, assorted painted colors, height 5¼ inches, 1 doz. in pkg. .. . .Doz. 1 00

No. 720/117 $1.50 doz.

720 117. Comic Head Banks, six styles, assorted, Brownies, Happy Hooligan, etc., colored glaze finish, average size 3½ x 3 inches 1 doz. asst. in pkg Doz 1 50

424 1. Pig Bank, glazed china, 4½ inches long, brown mottled finish, 1 doz in pkg .. Doz. 70

424/2. As above but is 6 in. long, 3½ in. high, 1 doz. assorted in pkg.. . . . .Doz. 1 60

378/1. Assorted Banks, turkey, cat and elephant, colored glaze finish, height 3¼ inches, 1 doz. assorted in pkg..... .....Doz. 80

No. 30/120. $1 60 dozen.

30 120. Babies in Bath, six positions assorted, flesh colored bisque baby, green glaze tub. Size 3 x 2¾ inches, 1 doz. assorted in pkg .. Doz $1 70

30,121 As 30,120 but larger size, 4¼ x 3½ inches, ½ doz. (6 kinds) in pkg.. .....Doz. 4 00

30/122. As 30/120 but larger size, 5 x 4 inches ½ doz (4 kinds) in pkg. . . . . Doz 8 40

125 1. Assorted Vases, six shapes assorted, coral blue body with large gold panel on front showing figures in white relief against gold background, average size about 4 inches, 1 dozen assorted (6 shapes) in pkg.....Doz. 1 70

9/3. 60c. doz. 9/55. $1.60 doz. 164/36. $4.00 doz

9/3. Toy Chamber, gold line on top and assorted gold mottoes, "Morning Exercise," and "Evening Exercise," 1 doz. assorted in pkg.. ....Doz. 60

9/55. Double Figures on Chambers, one black and one white baby, 1 doz. in pkg.....Doz. 1 60

164/36. Double Figures on Chambers, black and white baby with wording "Get Way Back," ½ doz. in pkg..... Doz. 4 00

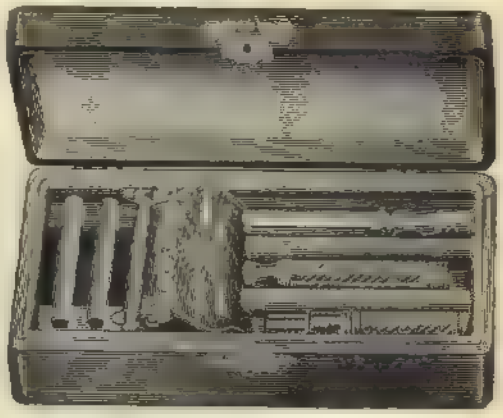
16/106. Novelty Toilet, two little niggers, one inside and the other at the open door. Formerly a 25c. article but by placing a very large order we are enabled to quote a price which makes it a 10c. possibility, assorted appropriate mottoes on front, size 2½ x 2 inches, 1 doz in pkg. . . .Doz 1 00

Boker's "Aristos" Safety Razor

The construction of the **"Aristos"** embodies all the features necessary to the perfect working of a Safety Razor and fills a long felt want for an article in this class bearing a reliable trade mark.

Showing compact packing

"Aristos" Frame and blade complete in tin box..Doz. $30 00
Extra Blades (Trade marked H. Boker & Co.)..Doz. 10 80
4819. "Aristos" Automatic Stropping Machine, Doz. 26 40



No. 2989. Outfit $5.70 each.

2989. Outfit in chamois lined cloth covered case, consisting of razor complete and two extra blades .....Each $5 70

3857 4111. Complete Outfit Containing Safety Razor Strop, Stropping Machine and tin case with frame and blade .....Each $5 30

"Gem Junior" (complete as shown) $28 80 doz

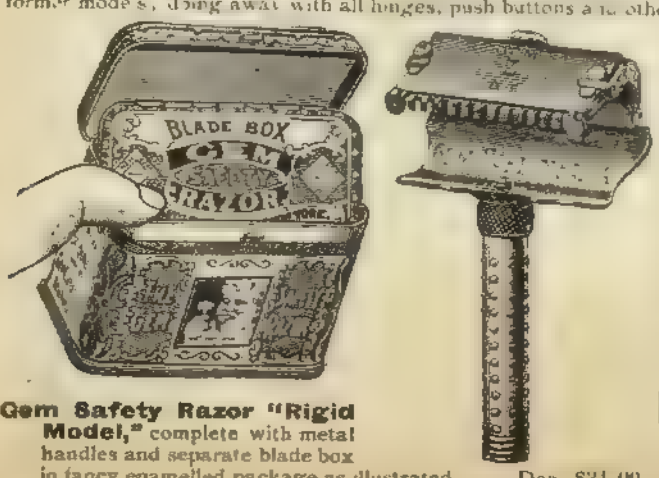
The New "Gem Junior"

Seven Blade Safety Razor

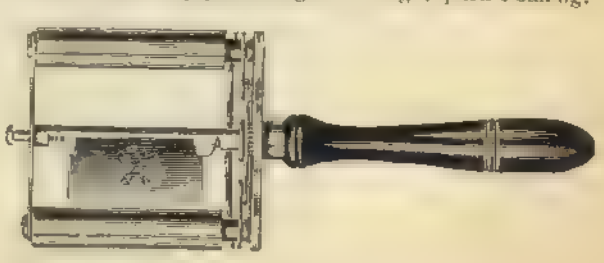
"Gem Junior." The construction of the frame is simplicity itself and insures sanitary conditions at all times. It is strong and durable and will last a lifetime. The **"Gem Junior"** blades are made from the best razor steel, hardened and tempered by special process, and have a very keen and lasting edge. Every blade gives a good number of comfortable shaves without honing or stropping and when dull can readily be revived by stropping with handle furnished in outfit for this purpose. Each **"Gem Junior"** is packed complete in fancy box, with seven blades..... Doz. $28 80

Gem Safety Razor "Rigid Model"

The **"Gem"** Safety Razor, "Rigid Model" embodies a simple combination of the many valuable improved features of all former models, doing away with all hinges, push buttons and other obstructions, thereby permitting a thorough, quick cleaning.



Gem Safety Razor "Rigid Model," complete with metal handles and separate blade box in fancy enamelled package as illustrated. Doz. $31 00
Extra blades..... Doz. 22 00



Gem Double Roller Stropping Machine, is positively the best, the only perfect double roll stropper ever invented. A strong bar across the top of same holds both the roller and blade holder in perfect alignment, and in such a position that they cannot possibly get loose or out of order. This is a feature contained in absolutely no other stropping machine.
..... Doz. $34 00

CRUMB TRAYS

01. **Nickel Finish,** size 8¼ x 9 in., with embossed rim and engraved fancy pattern, scraper 12 in. long, to match, 1 doz. in pkg.....Doz. $2 50

41. Similar to above, but better quality, and has nickel scraper with enameled handle, 1 doz. in pkg.....Doz. $3 20

No. 1N 12 to doz.

101. **Nickel Plated,** fancy embossed tray, 8¾ x 8½ in., with 12 in. red handle brush, ½ doz. in pkg.....Doz. $3 60

290. **Nickel Plated,** fancy embossed tray, 8¾ x 8½ in. with 11 in. wood handle, ½ doz. in pkg. .....Doz. $5.50

1N. **Heavy Nickel,** fancy embossed tray 9½ x 9 in., with 12 in. brush to match, packed loose .....Doz. $12 00

EGG TIMERS

61/930. Natural wood finish, open style, height 3½ in., 1 doz. in pkg....Doz. $1.60

61/931. Polished wood finish, with button to hang on wall, open on one side, height 3½ in....Doz. $4.00

SALT BOX

597 5. Made of hardwood in two colors, alternating ribs, hinge cover, size of box proper 5½ x 4½ in. .....Doz. $2 50

TOOTH PICKS

T.B. Hardwood, large package 3 x 2 x 2 in. ..... Doz. pkgs. 80c.

Full case 100 pkgs. ..Case $6 00

Ideal. Hardwood, 2½ in. flat wedge shape pick, smooth finish, size of pkg. 2 x 2 x 1½ in., 1 doz. pkgs. in carton. ..... Doz. pkgs. 84c.

Crown Imperial, attractive pkg. in green and gold, containing 750 smooth-finished sliverless picks Doz. pkgs. 90c.

Crown Imperial, in boxes containing 50 pkgs ..... per box $3.50

"**Banquet**" White, fine polish and finish, first quality, hardened, 1,500 picks in each box, 2 doz. pkgs. in carton. ..... Doz. $1.70

865 Crystal flat fluted tumbler shape toothpick holder, filled with hardwood picks, height 2½ in. 1 doz. in pkg.. Doz. 80c.

TEA BELLS

No. 10 No. 14 No. 46

10. **Nickel Plated Bell,** with black enameled handle, size 2¼ in. diameter, 4½ in. high, 1 doz. in pkg..... Doz. $1 30

110. As No. 10, but larger size, 1 doz. in pkg ..... Doz. $2.20

14. **Nickel Plated Bell** fancy metal handle, size 2¼ in. diamete , 4 in high, 1 doz. in pkg..... Doz. $1.30

46. **Cast Bell Metal,** fancy metal handle, fine polished nickel plating, size 2 in. diameter, 3 in. high, 1 doz. in pkg. ..... Doz. $3 30

50. **Table Bell,** gilt bronze base, finely nickel plated dome, diameter of base 3¼ in., ½ doz. pkg Doz. $3 30

BONE SPOONS

61 654 61/626 61 1078

61 654. **Salt,** 3½ in., 1 doz. in pkg. ..... Doz. 60c

61 626. **Mustard,** 3½ in., 1 doz. in pkg ..... Doz. 60c.

61 1078. **Mustard,** 4¼ in., 1 doz. in pkg ..... Doz. 70c.

61 653. **Mustard,** 4¼ in., 1 doz. in pkg ..... Doz. 70c.

302. **Egg Spoon,** 4½ in., 1 doz. in pkg ..... Doz. 80c

SALAD SETS

No. 1297. $6.00 dozen sets

1297. Boxwood, polished fork and spoon, length 10 in., packed singly ..... Doz. Sets $6.00

634. Scissors style as above " 7.50

Where Package Quantity is Mentioned we cannot Supply smaller lot

Dean's Patent Rag Books

PRINTED ON STRONG COTTON CLOTH IN FULL COLOURS

HYGIENIC. WASHABLE. UNTEARABLE.

Dean's Patent Rag Books, as well as being indestructible, are beautifully clear in type and colour printing, and may be safely put into the hands of the youngest child, as no harm can come from sucking them.

They can be exposed to the weather without injury, and when dirty can be washed and dried like a garment.

No. **D10** Series
(12 kinds assorted)
$2.00 dozen

D10 SERIES. 12 KINDS.

EACH BOOK CONTAINS TWELVE PAGES OF DESIGNS IN FULL COLOURS. SIZE 6¼ INCHES

TITLES ARE:

A B C (An Object Alphabet Book).
Bow Wow (A Book of Domestic Animals).
The Zoo A Book of Wild Animals
Goosey Gander (A Book of Favourite Nursery Rhymes)
Pets (A Book of Domestic Animals and Children..
What is it? (An Object Book)
Red Riding Hood
Dollies A B C (An Alphabet of Toys)
Three Little Kittens
Jack Tar Rhymes (A Book of Nursery Rhymes
Farm A B C
Toddles' A B C (A Toy Alphabet Book).

Packed one dozen (one of each title) in package. Doz. **$2.00.**

DEAN'S RAG BOOKS ARE DECLARED HYGIENIC BY THE BRITISH INSTITUTE OF HYGIENE.

D11 SERIES. 10 KINDS.

EACH BOOK CONTAINS 12 PAGES OF DESIGNS IN FULL COLOURS. SIZE 8¼×6 INCHES. **Titles are:**

What is this? What is that? (A Book of Objects).
Gee-Gee (A Book of Domestic Animals).
Dame Hubbard and Her Dog.
Baby's Object Book.
Animal A B C.
There was an Old Woman.
Puffing Billy (A Train Book)
Mother Goose A B C
Rock a Bye (Old Nursery Rhymes)
Pickaninny A B C.

Packed (ten assorted titles) in package..... Doz. **$4.00.**

Regular Catalogue Discount from Prices on this insert.

Dean's Patent Rag Books

[illegible]

D12 SERIES. 5 KINDS.

EACH BOOK CONTAINS 16 PAGES OF DESIGNS IN FULL COLOURS, PRINTED ON EXTRA STRONG COTTON CLOTH. SIZE 9x8 INCHES.

TITLES ARE:

Noah's Ark ABC (An Alphabet Book of Toy Animals)

Mother Goose (A Book of Nursery Rhymes)

Puff! Puff! (A Train Book)

Nursery ABC

Friends from the Farm (A Book of Farmyard Favourites)

Five titles packed assorted ..... Doz. **$12.00.**

[illegible]

No. **D12** Series (5 kinds). **$12.00** dozen.

The London Times.—"We have amused ourselves by trying these books in the bath, and can vouch for their [illegible]

D13 SERIES. 4 KINDS.

EACH BOOK CONTAINS 18 PAGES OF DESIGNS IN FULL COLOURS, PRINTED ON EXTRA STRONG COTTON CLOTH. SIZE 11½x8 INCHES.

TITLES ARE:

Ding! Dong! Dell! (A Grand Book of Nursery Rhymes)

Cock-a-Doodle-Doo (A Book of Domestic Animals)

A was an Archer (An Alphabet Book).

"The English Struwwelpeter." With Doctor HEINRICH HOFFMANN'S Original Designs

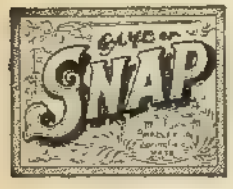
Four titles packed assorted ..... Doz. **$16.80**

London Daily Chronicle.—"Highly coloured and untearable [illegible] most prized in a nursery book.

No. **D13** Series (4 kinds). **$16.80** dozen

Regular Catalogue Discount from Prices on this insert.

Card Games



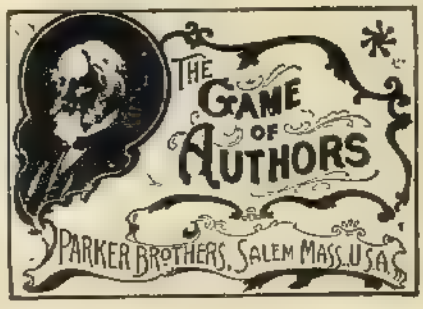
1502. 5c. Assortment, 12 kinds, Peter Coddle, Old Maid, Authors, Snap, Santa Claus, Mary Ann, Funny Fellows, Heads and Tails, Captain Jinks, Quack, Merry Goblin, Lotto. All have attractive lithographed label, 4¼ x 3½ in., 1 doz (12 kinds) in pkg....Doz. $0 80

093'22. Assortment, 10 kinds, 2 Peter Coddles, 2 Old Maid, 1 each Snap, Lotto, Dr. Busby, Authors, Little Merchant, Wild Flowers, Toy Shop and Races. All with fine lithographed labels, size 1⅞ x 8¼ in., 1 doz. (10 kinds) in pkg.....Doz. 90

093/21. 10c Assortment, 12 kinds, extra value 10c. games. Contains Old Maid, Words and Sentences, Birds, Authors, Animals, Drawing Teacher, Peter Coddles, Dickens, Æsop, Donkey Race, Steeplechase and Longfellow, handsomely lithographed labels and improved quality of contents, size 5¼ x 4¼ in., 1 doz. (12 kinds) in pkg.....Doz. $1 60

No. 176. $1 60 dozen.

No. 10. $1.70 dozen



No. 150. $1.60 dozen

POPULAR TEN CENT EDITIONS

Packed 1 doz. one kind in pkg. All are splendid large and showy editions, and offer big value at ten cents retail. Average size of boxes 5½ x 4 in. Order by numbers. **Price $1.60 doz.**

153.	Peter Coddles	**193.**	Snap	**179.**	Cinderella
150.	Authors	**176.**	Old Maid	**180.**	Cock Robin
182.	Jackstraws	**178.**	Robinson Crusoe	**181.**	Little Bo-Peep

10. Lost Heir, Canadian Edition, 48 cards. A low-priced edition of this popular game that will meet with a large sale. Cards are lithographed and backs have fancy design, size of box 5 x 4 in., 1 doz. in pkg...Doz. $1 70

1. Nations, a fine 10c. edition of this old favorite, a complete set of 52 full sized cards in box, 5 x 4 in., ½ doz. in pkg.....Doz. $1 50

Air Bulb Toys

Perform by Pressure of Bulb Attached to Rubber Tube

No. 393/121. $4.00 dozen

393/121. Jumping Rabbit, fur covered, size 6 x 4½ inches, jumps forward and moves ears by air bulb action, ½ dozen in package. . ...Doz. $4 00

No. 393/122. $4.00 dozen

393/122. Jumping Dog, fur poodle dog, size 7 x 5 in., jumps forward and barks when bulb is pressed, 1 doz. in pkg.....Doz. 4 00

393/169. Cat, similar style to dog, height 7 in., 1 dozen in package.....Doz. 4 00

Woolly Sheep

Moving Head and Voice

No. 96/2. $8.00 dozen.

Wool covered body on wood platform with iron wheels, ribbon band around neck and bow on tail, moving head and voice.

96/1.	Size 7 x 6½ inches,	⅛ doz. in pkg.....	Doz.	$4 00
96/2.	" 9 x 8 "	⅛ "	"	8 00
96/3.	" 11 x 10½ "	each "	"	15 00
96/4.	" 12 x 11½ "	" "	"	20 40

Fur Dogs

No. 178/1. $4 00 dozen

No. 178/2. $10.80 dozen

Assorted, black, grey and brown, fur covered body, wood wheel castors, ribbon neck band and fancy draw cord attached.

178/0.	Size 7 x 6½ inches,	⅛ doz. in pkg.....	Doz.	$3 30
178/1.	" 8 x 7½ "	⅛ "	"	4 20
178/2.	" 9 x 8½ "	⅛ "	"	6 50

Same as above, but have iron feet and castors.

178/3½.	Size 9½ x 9 inches,	⅛ doz. in pkg ..	Doz.	10 80
178/4.	" 12 x 11 "	each "	"	16 80
178/5.	" 14 x 13½ "	" " ...	"	24 00

178/17. Poodle Dog, assorted black and grey, in sitting position on platform with wheels, real fur covered, size 8 x 7 in., ½ doz. in pkg., very special value. Doz. $4 00

178/18. As above but larger, size 11 x 10 in., on iron wheels, ⅓ doz. in pkg . . ..Doz. 8 00

Fur Bears

With Nodding Heads

411/65. Imitation fur covered bear, nodding head up and down and from side to side, length 7 in., height 3½ in., ½ doz. in pkg. ....Doz. $4 00

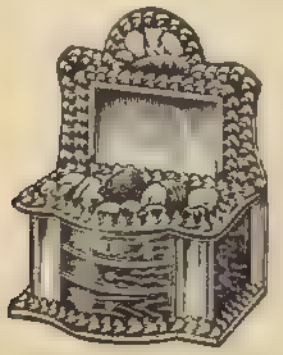
411/66. As 411/65 but larger, length 8 in., height 5 in., ⅓ doz. in pkg..... .....Doz. 8 00

Sea Shell Novelties – *Continued*

599. Photo Frame, cabinet size, glass front, heart shape opening, ½ doz. in pkg..... .....Doz. **$4.00**

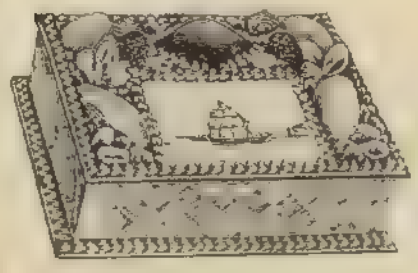
548. Menagerie Chiffonier, animals, rockwork, etc., behind glass, bottom compartment, size 6½ in. high, 5 in. long, ½ doz. in box.....Doz. **$4.00**

538. Consul Table, mirror back, 1 front drawer, 2 side boxes with cushion tops size 6¼ in. high, 5¼ in. long, ½ doz. in box . . . .Doz. **$4.00**

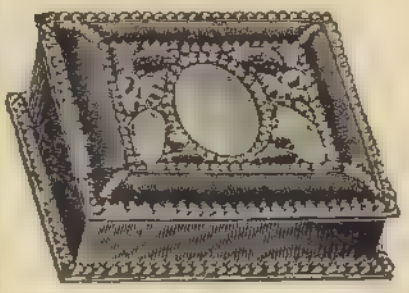


156A. Chiffonier, mirror back, fancy front with two mirrors, opening top, size 6 in. high, 4¼ in. long ½ doz. in box.... . . . . Doz **$4.00**

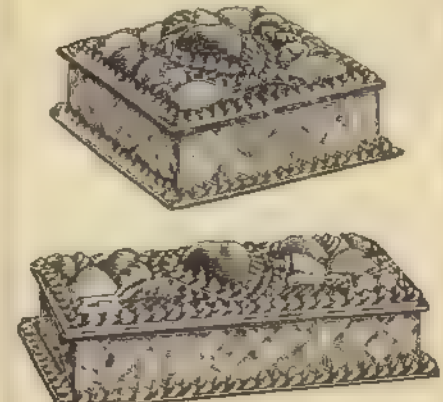
567. Work Box, footed, lined with fancy silver paper, two pincushions, and trinket compartment, full size mirror in lid, size 6 x 4½ x 4 in., each in box. Doz. **$8.00**



641. Work Box, four compartments, pincushion and large colored medallion on cover marbleized sides, size 9 x 6½ x 3 in., 1 doz. in pkg..... .....Doz. **$8.00**

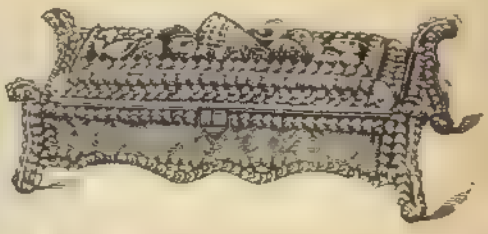


624. Photo Box, with velvet frame panel on top, and glass covered opening to receive photo, size 8¼ x 7½ in., ½ doz. in pkg . . . . . Doz **$8.00**

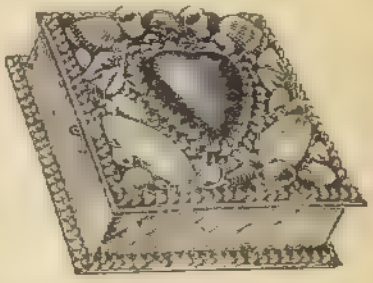


607. Glove and Handkerchief Set, size of glove 8¼ x 4 in, handkerchief 5¼ x 5¼ in. marbleized sides, heart pincushion on lids, each set in box...Doz. sets **$8.00**

544. Footed Handkerchief Box, rococo legs, imitation pearl paper sides, size 7 x 7 in., each in a box...Doz. **$8.00**



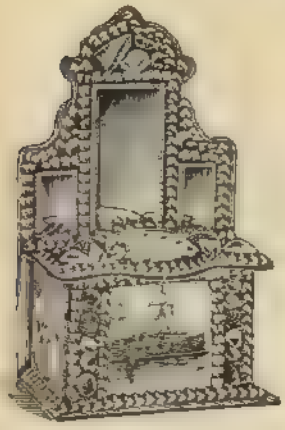
543. Footed Glove Box, rococo legs, imitation pearl paper sides, size 10½ x 5 in., each in box..... ....Doz. **$8.00**



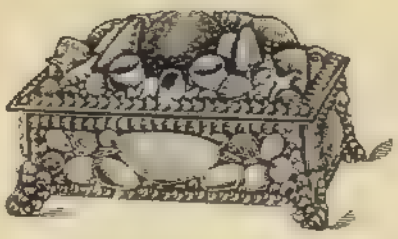
640. Handkerchief Box, size 7¼ x 7¼ x 3 in., heart shaped cushion on cover, marbleized sides, floral design on inside of cover, ½ doz. in pkg.... ...Doz. **$8.00**

535. Consul Table, large front drawer, 2 side boxes, size 9¾ in. high, 7 in. wide, each in box.....Doz. **$8.00**

Sea Shell Novelties—*Continued*



638. Large Bureau, one large and two small mirrors, colored medallion front, drop lid, height 10 inches, ½ doz. in pkg. ..... Doz. **$8.00**



568. Work Box, footed, inside lined with embossed silvered paper, has two pincushions and inside compartment, size 8 x 5 x 4½ in., each in box..... ..... Doz. **$10.80**

536. Heart Plaque, with shaped glass front, interior with lithographed picture of warship, real shells, seaweed, etc., size 9 x 8½ in., each in box. .... Doz. **$12.00**

The following lines can be had with name of your town or the inscription "Merry Christmas" without extra charge

No. 100/7. $3.00 doz.

No. 100/16. $3.70 doz.

100/6. Square shape mother-of-pearl, flower decoration, no chain, size 1¾ x 1¾ in. ..... Doz. **$2.50**

100/7. Purse, mother-of-pearl and floral front divided by metal chain work, size 2¼ x 2 in. ..... Doz. **$3.60**

100/16. Purse, same as above, but has better floral decoration and chain..... Doz. **$3.70**

4751/225. Large Purse, mother-of-pearl finish, double silk cord, nickel strap ornaments, bellows edges, size 3 x 3 in., each in box..... Doz. **$8.00**

475A. Paperweight, marble base, regular font, size 2¾ x 2¾ in., glass globe filled with fancy shells, plain or inscribed same price . . Doz. **$4.00**

100/70. Large Purse, nickel hinged back frame, both sides mother-of-pearl finish, bellows centre, size 3 x 2 in., each in box..... Doz. **$8.00**

No. 100/76. $3.20 doz.

No. 100/35. $4.50 doz

100/76. Napkin Ring, being section of shell in mother-of-pearl finish, regular size for napkin..... Doz. **$3.20**

100/35. Napkin Ring, similar to above, but with carved Indian Head .. Doz. **$4.50**

No. 475/34. $3.60 doz

No. 475/234. $4.00 doz

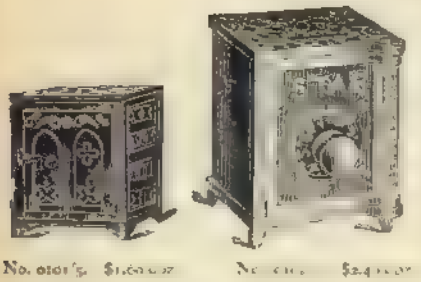
475/34. Thimble Purse, containing aluminum thimble, nickel frame and chain, colored floral front, wording in black, size 3 x 1½ in ..... Doz. **$3.60**

475/234. Heart Shape Purse, metal frame and chain, maple leaf in autumn tints on front, size 2¼ x 2½ in..... Doz. **$4.00**

100/126. Pocket Mirror, round bevel mirror, leather back, floral shell front, size 2½ x 2 in... ..... Doz. **$3.60**

100/84. Trinket Tray, fancy fish shape, size 5 x 3 in..... Doz. **$2.40**

Iron Banks and Safes



No. 0101/5. $1.60 doz. No. 0102/1. $2.40 doz.

0101/5. With Lock and Key, bronze body, striped with gold, size 2 x 2 x 2¼ in., ½ doz. in pkg.....Doz. **$1 60**

0102/1. Combination. White nickel, polished nickel trimmings, perfect working **two-figure combination lock,** size 3½ in. high, 2¼ in. wide, 1 doz. in box .....Doz. **$2 40**

0102 2. Combination Lock, embossed sides and back, nickel plated, polished door, size 3½ x 3¼ x 5 in., each in box .....Doz. **$8.00**

0102/3. Combination Lock, polished nickel trimmings, coin slot, handle cover, three-figure combination, embossed, size 3 x 2¾ x 4 in., ¼ doz. in pkg Doz. **$6.50**

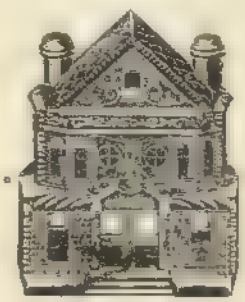
0102/5. As No. 0102/3 but larger, 4 x 3½ x 5 in., each in pkg. ....Doz. **$13.00**

0102/10. As above but size 6½ x 5½ x 4½ in.....Doz. **$27.00**

0101/1. House Bank, lacquered body, decorated in silver, size 1¾ x 2¼ x 4⅛ in., ½ doz. in pkg Doz. **$2.40**

0101/2. House Bank, similar to 0101/1, but is 3¾ x 3 x 5½ in., ½ doz. in pkg. Doz. **$4.00**

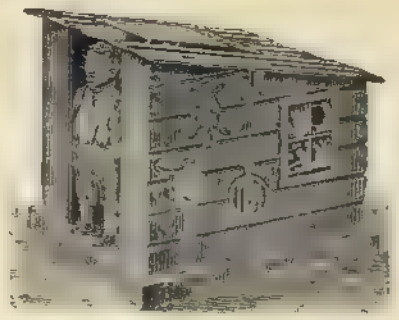
0101/3. House Bank, lettered "State Bank," as above but larger, size 6¼ x 4½ x 3½ in., has lock and key door, ½ doz. in pkg.....Doz. **$5 50**



0103/2. House Bank. New design, white nickel finish, size 4½ x 3⅝ in., ½ doz. in pkg.....Doz. **$3.30**

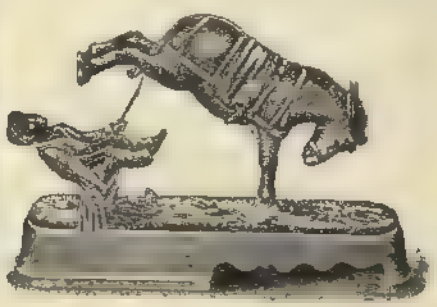
Rolled Steel Banks

"Home" Savings Bank. Finely polished steel bank, oxidized finish, with handle and patent device for preventing the coins from falling out or being taken out. Lock and key. Size 2½ x 3¼ x 4¼ in. Each in neat cardboard box. .....Doz. **$16.80**



275. Cabin Bank. All iron. Place the coin upon the roof above the negro's head, move the handle of the whitewash brush, and the negro will be made to stand on his head and kick the coin into the bank. Length 4¾ in., height 3⅝ in., width 3 in., ¼ doz., in pkg...Doz. **$11 00**

220. Owl Bank. All iron. Place a coin on the top of the branch and press the thumb-piece at the back, when the head of the owl turns, and the coin is deposited below, after which the head moves back to its former position. Height 7½ in., width 4 in., depth 3 in., each in pkg. Doz. **$14.40**

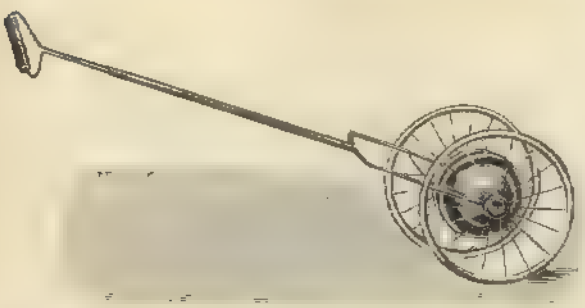


329. Kicking Mule Bank. All iron. Place the coin under the seat. When the mule and boy are brought into position a slight touch on the knob at the base causes the mule to turn around and kick the boy over, throwing the coin from the seat to the receptacle below. Length 10 in., height 6¼ in. Each in wooden box with sliding cover .....Doz. **$26.40**

Floor Chimes

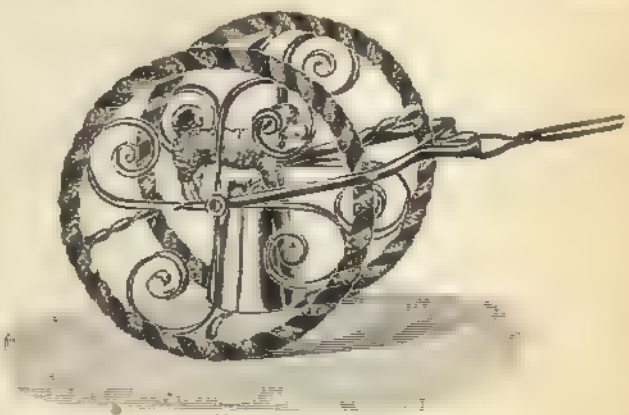
6. Telephone Chime Bells, nickel plated, wheels 2½ in., handle 18 in., 1 doz. in box . . . . . Doz. $1.80

99 607 Assorted colors, wool covered metal wheels, 4 in. in diameter, 2 in. nickel plated bells, ½ doz. in pkg . . . . . Doz. $4.00



99 524. Floor Chime, with rubber tires, wheels 3¼ in. in diameter, finely nickel plated bells, double spoke bronzed wheels, length of handle 24 in., ½ doz. in pkg. . . . . Doz. $4.50

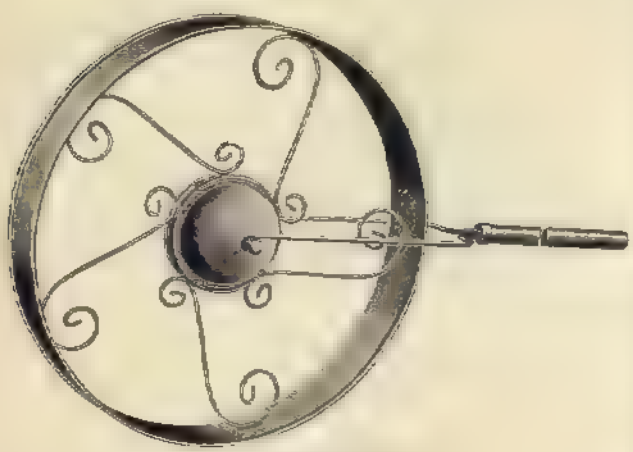
99 525. As above, but larger size, diameter of wheels 4 in., gongs 2½ in., each in box, ¼ doz. in pkg Doz 8.40



No. 99/608. $8.00 a dozen

99/608. Assorted, alternate two-color, wool covered metal wheels, 5 in. in diameter, bronzed metal scroll-work spokes and braces, assorted animals on axle over finely plated nickel bell, each in box, ¼ doz. in pkg. . . . . Doz. $8.00

99/609. As above, but larger size and with 2 in. diameter finely plated nickel bell, diameter of wheels 7 in., each in box. . . . . Doz. 15.60



No. 237/1554. $4.00 dozen

237/1554. Brightly painted tin tire and circular wire spokes, nickel bell on each side, diameter 6½ in., length with handle 30½ in., ½ doz. in pkg. . . . . Doz. $4.00

237 1555. As above, but has heavier bells and fancy shaped spokes, diameter is 9¼ in., and with handle is 36 in. long, ½ doz. in pkg. . . . . Doz. 7.50

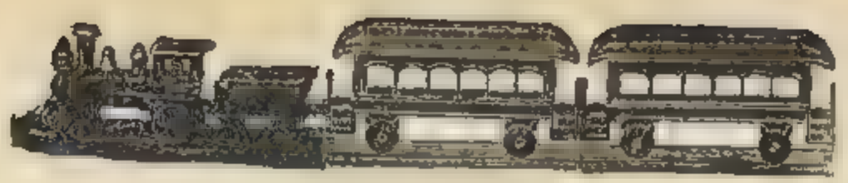
99 699. Length 16½ in., wire handle with wood grip, colored band around centre of roller, diameter of roller 4 in., 1 doz. in pkg. . . . . Doz. $2.50

99/698. Similar to above, but larger, spiral rainbow colored, wide shape roller, 7 in. wide, diameter 3½ in., length with handle 18 in., ½ doz. in pkg. . . . Doz. $3.60

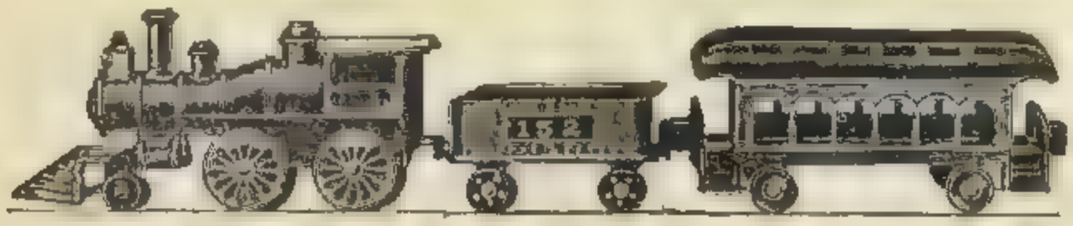
Where package quantity is mentioned we cannot supply smaller lot

Iron Trains

094 3. Locomotive with tender, length 6½ inches, 1 doz. in pkg., Doz. $ 1 70
0100 13. Locomotive, tender and one steel coach, painted in red and blue, length 10½ inches, 1 doz. in pkg.... ....Doz. 2 50
094 49. Locomotive, tender and one iron coach, length 12 inches, ½ doz. in pkg .. ... Doz. 3 00



094 50. Locomotive, tender and two iron coaches, one red, one blue; length 17 inches, ¼ doz. in pkg . . .Doz. $ 1 00



094/4. Locomotive with tender attached, length 8 inches, ⅛ doz. in pkg.....Doz. $ 3 30
094 51. Locomotive, tender and one iron coach, length 18 inches, each train in box Doz. 7 50

General Description

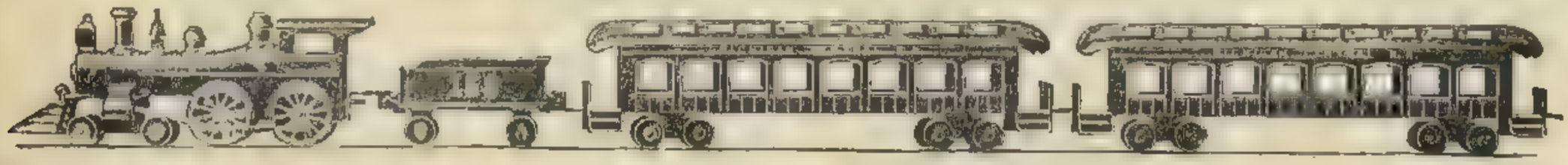
Locomotives are all jet black with gilt bronze ornamentation.

Coaches are bright enamel paint with gilt bronze ornamentation.

All Wheels from cheapest to best lines are made to turn easily

094 52. Locomotive, tender and two iron coaches, length 26 inches each in box . . . .Doz. $12 00

094 53. Locomotive tender, one red coach, one blue coach, one white coach and red caboose, length 38 inches, each in box . . . . . Doz. $14 40



094 55. Locomotive, tender two red coaches, length 40 inches, piston rods on engine, each train in box . . . Doz. $31 20

Trade Discount on all Prices in this Catalogue. Terms 5 30 days.

Iron Fire Department

No. 094/25. $4.30 dozen

0100 1. Fire Engine, with one horse and driver, painted, 7 inches long, 1 doz. in pkg..... Doz. $2 40

094 25 As above but larger size, length 8½ inches, ½ doz. in pkg..... Doz. 3 30

0100/17. Fire Engine, two horses and driver, painted, length 8½ inches, ½ doz. in pkg Doz 4 00

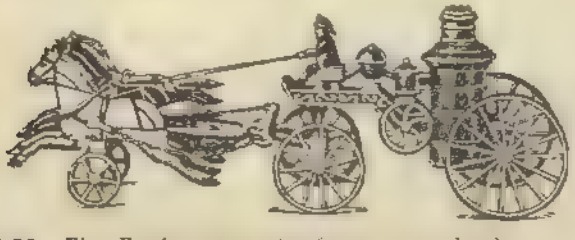
0100 3. Fire Engine, painted and trimmed in gold with three horses and driver, length 11 inches, ¼ doz. in a box..... Doz. 6 50

No. 094/5. $4.30 dozen

0100/5. Fire Engine. Handsomely finished in four colors of painting and boxes finished in gold and aluminum bronze, length 15 inches, height 6 inches, each in box..... Doz. 12 00

0100/9. Fire Engine, as 0100/5 but larger size, length 16 inches, height 7 inches, each in box. Doz. 20 40

0100/11. Fire Engine, painted in four colors, length 18 inches, height 7 inches, each in box..... Doz. 26 40

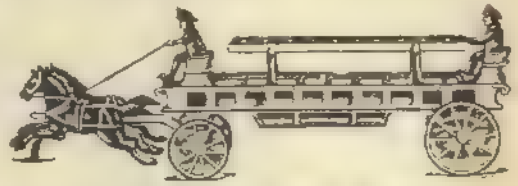


094 30. Fire Engine, painted in four colors and gold, three horses and driver, horses have galloping motion, automatic going, length 26 inches, height 7 inches, each in box..... Doz. 31 20

0100/2. Hook and Ladder, with horse and driver, painted, 7½ inches long, 1 doz. in pkg. ..... Doz. $2 40

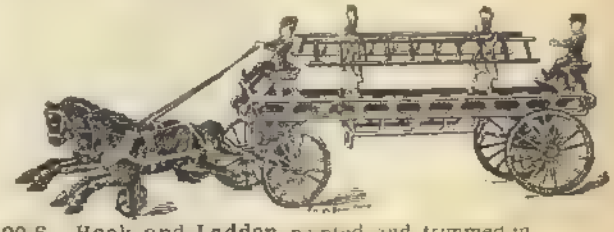
094/26 As above but larger and has loose ladder, 8 inches long, ½ doz. in pkg..... Doz. 3 30

0100/16 Hook and Ladder with two horses and driver, painted, length 9 inches, ½ doz. in pkg Doz. 4 00

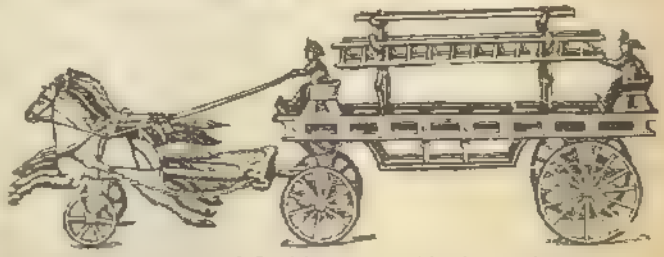


No. 094/4. (But a trifle smaller.) $4.30 dozen

0100 4. Hook and Ladder, painted and trimmed in gold, with three horses and two men, is 15 inches long, ¼ doz. in pkg..... Doz. 6 50



0100/6. Hook and Ladder, painted and trimmed in gold, two ladders and two men, two horses. Full length 21 inches, each in box. Doz. 12 00



0100 10. Hook and Ladder, painted in four colors, three horses with galloping motion, two men and three ladders, length 22 inches, each in box... Doz. 20 40

0100/12. Hook and Ladder, painted in four colors, length 25 inches, each in box..... Doz. 26 40

094 31 Hook and Ladder painted in four colors trimmed in gold, three horses galloping motion, two men, three iron ladders, automatic ringing going length 27 inches, each in box..... Doz. 31 20

Where package quantity is mentioned we cannot supply smaller lot

Our Doll Department

Our complete range of Dolls comprises more than twice as many lines as appear in our Catalogue, but the line here listed has been selected with the greatest care as offering the very best values and most saleable popular priced lines

CHINA LIMB DOLLS

Standard quality, strong cloth bodies, glazed china head with painted features and hair, china hands and feet, painted shoes. Assorted.

33/10. 3½ in. long, 6 doz. in pkg. Doz. $0 30
33/11. 4¼ in. long, 3 doz. in pkg. Doz. 50
33/12. 7 in. long, 1 doz. in pkg. Doz. 64
33/13. 8 in. long, 1 doz. in pkg. Doz. 70
33/14. 8½ in. long, 1 doz. in pkg. Doz. 80

33/14. 80c. doz.

As above, but better proportioned bodies and heads

33/15. 9¾ in. long, 1 doz. in pkg. Doz. $1 30
33/16. 11 in. long, 1 doz. in pkg. Doz. 1 60
33/17. 12 in. long, special value for a 10c. leader, 1 doz. in pkg. Doz. 1 70

33/18. $1.60 doz.

As above, but stouter shaped bodies, double stitched at hips, glazed hands and feet, fancy painted garter bows.

33/18. 13½ in. long, ½ doz. in pkg. Doz. $2 40
33/19. 14½ in. long, ½ doz. in pkg. Doz. 3 20
33/20. 16 in. long, ½ doz. in pkg. Doz. 3 60
33/21. 17¼ in. long, with 4 in. head. A splendid line to run as a quarter leader, ½ doz. in pkg. Doz. 4 50

33/20. $3.60 doz.

PINK LINEN DOLLS

291/2. 10 in., Bisque head with flowing hair, glass eyes, pink linen sitting body, with oversewn seams, paste arms, imitation stockings and real shoes, 1 doz. in pkg. Doz. $1 80
291/3. As above, but 11 in. high, 1 doz. in pkg. Doz. 2 50
291/41. As above, but 14 in. high, 1 doz. in pkg. Doz. 3 20
291/42. As above, but 17 in. high, 1 doz. in pkg. Doz. 4 00
291/4. 11 in. as above, but stouter shape and **sleeping eyes**, 1 doz. in pkg. Doz. 3 20
291/5. 11½ in., similar to 291/2, but with linen extending over shoulders, hair stuffed bodies, and has flowing mohair curls, 1 doz. in pkg. Doz. 3 20
291/6. As above, but with **sleeping eyes**, 1 doz. in pkg. Doz. 4 00

No. 291/3 $2.50 doz

291/7. 13½ in., otherwise as 291/5, an extra large size for the price, 1 doz. in pkg. Doz. 4 00

IMITATION KID

291/11. 10½ in., Bisque head, flowing hair, glass eyes, imitation kid, **sitting body**, with fancy oversewn seams, imitation stockings and real shoes, 1 doz. in pkg. Doz. $2 50

291/14. 15 in., **metal rivet joints** at hips, bisque head with flowing hair, covering extends over shoulders, imitation stockings and real shoes, 1 doz. in pkg. Doz. 4 00

No. 291/11 $2.50 doz

RED FLANNEL

558/200. 13½ in., red flannel body with cut joints at knee, bisque head with glass eyes and flowing hair, bisque hands, openwork stockings and real shoes, 1 doz. in pkg. Doz. 4 50
558/201 M.E. 14½ in. as 558/200, but **sleeping eyes** and curly hair and rivet jointed hip, 1 doz. in pkg. Doz. 6 50
558/202 M.E. As 558/201 but larger, length 16 inches, ½ doz. in pkg. Doz. 8 40
558/203 M.E. As 558/201 but larger, length 18 inches, ½ doz. in pkg. Doz. 12 00
558/204 M.E. As 558/201 but larger, length 22 inches, each in box. Doz. 16 80

No. 558/202. $8.40 doz.

Mechanical Show Figures

ALL WITH MUSIC

No. 61/1346. $24.00 each.

61/1346. Bubble Blower. Beautifully costumed Bisque head boy figure, on plush covered music box base. Moves head and arm and blows real soap bubbles, dipping the tube from time to time into the basin in which the water is placed. Height 22 inches. Runs about 4 minutes .. Each **$24.00**

No. 61/1347. $54.00 each.

61 1347. Cigarette Smoker. Fancy burlesque costume. Head, both arms, hat and eyes move and actually smokes a real cigarette after one has been placed in holder and lighted. Plush covered music box base. Entire height 26 inches. Runs about 6 minutes ... .Each **$54 00**

No. 61/1345. $60.00 each.

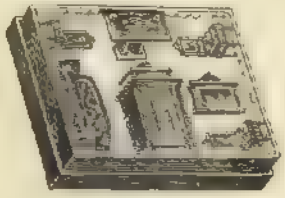
61 1345. Moon Clown. Music box base in form of a moon. The tongue in the moon moves as does also the clown's head, hair, hands and foot as he makes comical actions and pretends to be playing an instrument. Runs about 6 minutes.. .... Each **$60.00**

No. 61/1348. $77.00 each.

61/1348. Cairo Dancer. A most elaborately silk costumed figure. Plush covered music box base with imitation marble top. The whole body moves from waist, the head and eyes move and the arms move opening and shutting the fan as she gives a most real sinuous muscle dance performance. Entire height 32 inches. Runs about 6 minutes....Each **$77.00**

Doll Furniture

The Wood parts of this Furniture are highly polished throughout and present a very attractive effect



No. 438/25. $3.00 dozen

438/25. **Parlor Suite,** seven pieces, sofa and chairs colored in fancy pattern, with fringe to imitate upholstering, cabinet and table in mahogany polish, size of box 11½ x 8 inches, ¼ doz. in pkg. . Doz. sets $3 30

438/1 **Assorted Parlor and Bedroom Suites,** finished in polished white wood with blue floral ill egraining and blue upholstering, size 11½ x 8 inches, ¼ dozen assorted in package ..... Doz. sets 4 00

438/26. As 438/1, assorted Parlor and Bedroom Suites, but larger size, in box 12 x 8½ inches, ½ doz. assorted in package..... Doz. 4 50

No. 438/3. $8.00 dozen

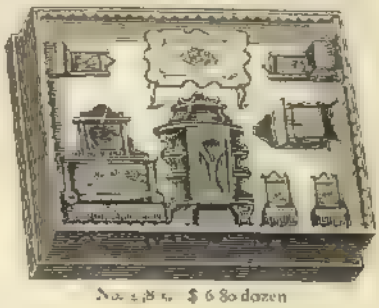
438/2. **Parlor Suite,** seven pieces sofa and three chairs upholstered in embossed plush, fringe to match, cabinet 6¼ inches high by 4 inches wide, with mirror, fancy top table and mantel with mirror, in box 13 x 9½ inches ..... Doz. sets 6 50

438/3. **Parlor Suite,** as 438/2, but has five chairs, nine pieces, in box 15¼ x 9½ inches..... Doz. sets 8 00

438/4. **Parlor Suite,** seven pieces, fancy carved high back mantel sofa with mirror, sofa and chairs upholstered in flowered sateen with fringe, decorated table, cabinet 8 inches high with mirror top in box 15 x 10½ inches . ..... Doz. sets 12 00

No. 438/4B. $12.00 dozen

438/4B **Bedroom Suite,** six pieces, bed has quilted pillow cover and fancy sateen spread, dresser and cabinet both with mirrors, upholstered chair, table and washstand, in box 15 x 11½ inches.. . Doz. sets $12 00



No. 438/5. $6.80 dozen

438/5. **Parlor Suite,** eight pieces, as 438/4, but has fancy scroll, swing door cabinet, in box 16 inches wide x 11½ inches..... Doz. sets 16 80

438/5B. **Bedroom Suite,** seven pieces, bed has quilted lace pillow and sateen spread upholstered chair, two drawer bureau with high back mirror top, cabinet with mirror in front, washstand and dresser. Doz. sets 16 80

438/6 **Parlor Suite,** seven pieces, extra fine suite, has large mantel sofa 7 inches high with 3 mirrors in top and 4 chairs upholstered in floral silk, decorated table and two compartment cabinet 8¾ inches high, in box 17¾ x 11¼ inches..... Doz. sets 24 00

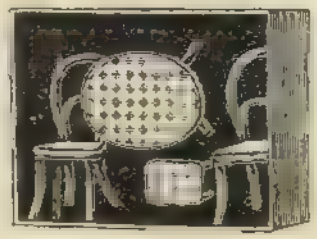
438/7. **Combination Suite,** ten pieces, six chairs and sofa upholstered in fancy furniture cloth with high, fancy backs, sideboard 6½ inches high with mirror back, drawer and two doors one large table 5½ inches long, one small table and one wallstand with high back mirror, in box 18 x 13 inches..... Doz. 26 40

BAMBOO FURNITURE

1037. **Six piece Japanese Bamboo Doll Set,** as illustrated, tops of table and chair seats in woven matting, table 3¼ x 3¼ inches, chairs 3½ inches high, each set in a box ½ dozen in package. . .. Doz. sets 2 50

569. Large set, table 5 x 5 inches four arm chairs 5 inches high and rocking chair, each set in box, ½ dozen in package.. .. . .Doz. 3 00

RATTAN FURNITURE



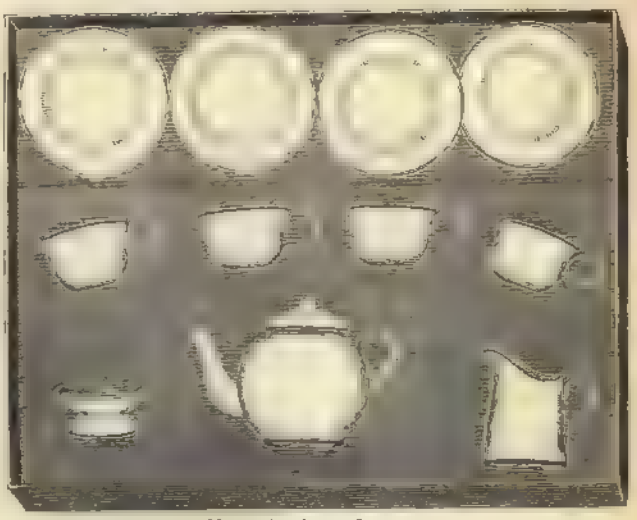
No. 411/61. $1.60 dozen

411/61. Natural finish rattan frames, with top of table and chairs covered with fancy dotted cloth, size of box 7 x 5 inches, ½ doz. sets in pkg.....Doz. 1 60

411/63. Red stained rattan frames, cloth covered seats and table top with deep fancy fringe, five pieces, settee, table and three chairs, box 8 x 8 inches, ½ dozen in package..... .....Doz. 4 00

Blue Enamel Granite Sets

449/5. Granite Tea Set, consisting of teapot, two cups and saucers, each set in box .... ..Doz. sets $8 00



No. 449/6. $13.00 doz. sets.

449/6. Granite Tea Set, consisting of teapot and stand, jug and four cups and saucers, each set in box.... .. ..Doz. sets $13 00

449/7. As 449/6 but larger containing teapot and stand, jug, six cups and saucers, each set in box. Doz. sets 16 80

No. 449/1. $7.50 doz. sets

449/1. Granite Kitchen Set, containing five blue enamel granite kitchen utensils in box. Size of box 8 x 6½ in. ½ doz. sets in pkg. ....Doz. sets $4 00

449/2. As 449/1 but larger consisting of seven kitchen utensils in box. Size of box 8¼ x 10½ inches. ½ doz. sets in pkg. .... Doz. sets 7 50

449/3. As above but larger containing eleven pieces. Each set in box 10½ x 11½ inches .... Doz. sets 14 40

DOLL BATH SETS

No. 99/456. $4.00 dozen

99/456. Doll Bath Set contains one bisque doll in sitting posture, blue enamel metal bath tub on stand 3 x 3½ inches, chair 3½ inches high and gilt finished furnished bed 2¼ x 2½ x 3 inches, soap and sponge. Each set in box 7½ x 8½ inches, ½ doz. sets in pkg. .. . .Doz. sets $4 00

99/457. As 99/456 but larger size doll and furnishings, chair with gilt wheels and shafts. Each set in fancy box 10 x 10 inches, ⅓ doz. sets in pkg..... .....Doz. sets 7 50

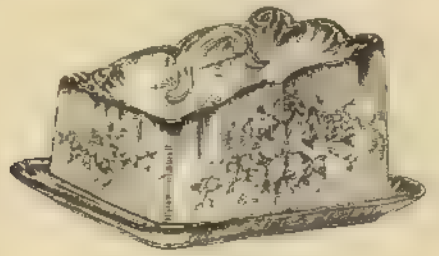
Where package quantity is mentioned we cannot supply smaller lot

Cheese Dishes

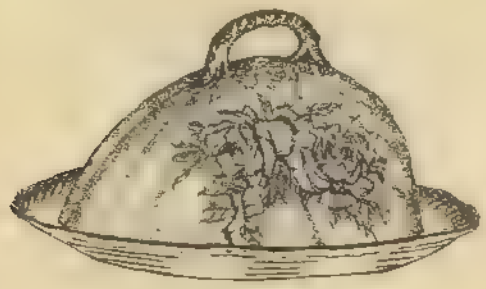
English Porcelain

Daisy. Neatly embossed cover with conventional flower design in Cobalt blue and maroon, embossed and tinted rim and handle, size of bottom, 6½ x 7½ x 5 inches.....Doz. $4 50

Berlin. Assorted maroon and green tints, large flower decorations, gold line on edge and handle, size of bottom 6½ x 8 inches, height 6 inches..Doz. $7 20



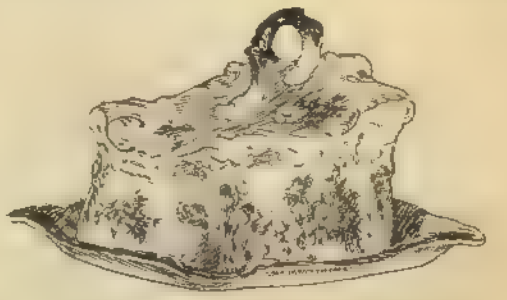
62/2. Two shapes and three colors, assorted, blue, green and pink tints, assorted flower decorations, size of bottom 7 x 9 inches .....Doz. $12 00



225,19. Shell shape, green tinted shading to white at top towards centre, embossed and clouded gold rim and handle, large pink rose decoration, size 6 x 8 x 10½ inches.....Doz. $12 00

225,16. Fancy shape, green tinted at bottom shaded to pale pink towards centre and top, green tinted handle, gold traced embossing on cover and gold line on edge, size of bottom 8 x 10 inches, height 6 inches.....Doz. $16 00

505,72. Fancy shape, assorted amber and green tints, embossed cover and rim, solid gold handle and clouded gold rim, assorted flower decorations, size of bottom 7 x 10 inches, height 8 inches, ...Doz. $16 80



225,18. Fancy shape, amber tinted, neatly embossed cover and embossed and scalloped rim, gold line on edge and scroll-work design in gold on cover, pink flower decoration, size of bottom 8 x 10 inches, height 5 inches.....Doz. $19 20

Porcelain Bowls

343/9. Diameter 5¼ inches, one wide blue band and six narrow stripes.....Doz. $0 80

343,8. As above but larger, diameter 6 inches Doz. $1 10

343,7. As above but larger, diameter 6½ inches Doz. $1 30

Where Package Quantity is Mentioned we cannot Supply smaller lot

Bisque China Figures

No. 164/2. 80c. Doz.

164/1. Assorted six kinds, child subjects in colors, height 5 inches, 2 doz. assorted in pkg. ..... Doz. 60c

164/2. Six kinds assorted, child subjects in 4 colors, height 6 inches, 2 doz. assorted in pkg. ..... Doz. 80c.

9/136. Assorted Belles and Beaux, colored lustre finish, height 7½ inches, 1 doz., assorted in pkg. ... Doz. $1.00

164/5. Assorted, three pairs of Boys and Girls, 4 colors and gold, bisque finish, height 8 inches, 1 doz., assorted in pkg. ... Doz. $2.40

No. 18/25. $4.00 Doz.

18/25. Assorted pairs of Boys and Girls, bisque finish, height 9½ inches, decorated in colors and gold, ½ doz. assorted, in pkg. ..... Doz $4.00

No. 164/10. $8.00 Doz.

164/9. Three pairs assorted Belles and Beaux, decorated in colors and gold, bisque finish, height 9½ inches, ½ doz. assorted ... Doz. $4.50

164/10. As above, but larger, height 11 inches, ½ doz., 2 pairs, assorted, in pkg. ..... Doz. $8.00

164/13. Finely modelled figures, richly decorated in colors and gold, height 12 inches, ½ doz. assorted (two pairs) in pkg. ..... Doz. $12.00

164/14. Assorted Musicians, in pairs, finely modelled, artistically decorated in colors and gold, height 13 inches, ⅙ doz. (1 pair) in pkg. ... Doz. $16.80

18/19. Match Holder Assorted boys and girls in colors and gold, height 1½ in., 1 doz. assorted in pkg. ... Doz. 80c.

9/135. Match Holder, assorted boys and girls in colored lustre finish, height 5½ inches, 1 doz. assorted in pkg. Doz. 80c.

30/115. Dancing Girls, two kinds, assorted Dancer and Guitar player, finely modelled, decorated in delicate colors height 6¼ inches, 2 doz. assorted in pkg. ... Doz. $4.00

30/116. As above, but larger, height 7 inches, ½ doz. assorted in pkg. Doz. $8.40

30/117. As above, but larger, height 9 inches, ½ doz. assorted in pkg. Doz. $13.00

164/25. Nodding Heads, two kinds assorted monks in colors, height 7½ inches, ½ doz. assorted in pkg., Doz. $4.00

Sutherland Art Ware

Hand Painted with Canadian Coat-of-Arms and Maple Leaf Garlands in Colors on White Body

Creams

597/85 Height 3 inches .....Doz. $5.50

597/88 – Height 3¼ inches ..... Doz. $6.50

Teapots

597/83 — Height 4½ inches .. .. Doz. $14.40

597/86—Height 5¾ inches .....Doz. $16.80

Sugars

597/84 Height 4 inches ... . Doz. $12.00

597/87—Height 4½ inches ... . Doz. $13.20

Upright Jugs

597/77—Height 3¼ inches ..... Doz $4.00

597/89 Height 4 inches ... . . Doz. $6.00

597/90—Height 5 inches .... Doz. $8.00

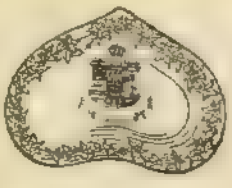
597/91—Height 6 inches ....Doz. $9.60

597/74—Cup and Saucer A. D. size, straight shape, cup 2⅛ x 2¼ inches, saucer 5 inches.....Doz. $4.00

597/73—Cup and Saucer. Tea size, cup 2½ x 3 inches, saucer 5½ inches...Doz. $4.00

597/78—Slop Bowl, size 4½ x 2¾ inches ..... Doz. $4.00

597/76—Tumbler, height 3½ inches..... Doz. $4.00

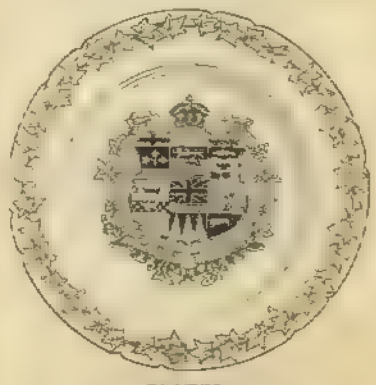


597/79 — Heart Shaped Tray, 3½ x 4¼ inches..... .....Doz. $4.00

597/75—Ash Tray, size 4½ inches square, with cigar rest at corners.. .. ... Doz. $4.00

597/94 — Tobacco Jar, height 6 inches, diameter 4½ inches, with white enamel inside pressure cover..... ... . Doz. $19 20

597/98—Match Ball, height 2¾ ins., diameter 3½ ins.. scratcher top....Doz. $7.50



PLATES
With large size Coat-of-Arms

597/71—B. & B. size, 6¼ inch diameter..... .....Doz. $4.00

597/72—Tea size, 7¼ inch diameter ....Doz. $4.50

597/70. Cake plate or plaque 9 inch diameter..... .Doz $8.00

597/80 - Vase. Height 4½ inches ....Doz $4.00

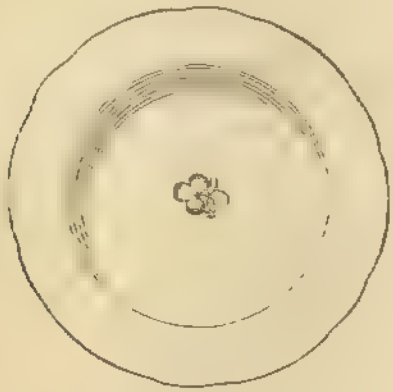
597/81—Vase, height 5¼ inches ... .. .Doz $8.00

597/82—Vase, height 5¾ inches Doz $8.00

Semi-Porcelain Ware

Gold Edge, Line and Sprig

226 1—Tea Cup and Saucer Pa[illegible] shape, full size, first quality goods.....Doz. $1 50

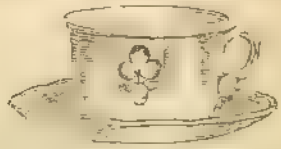


No. 226/3 Tea Plate $1.10 doz.

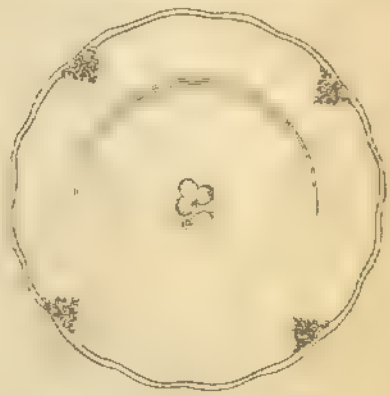
226 2 Plate, B. & B. size, (called 5 inch) actual diameter from edge to edge 6¼ inches, embossed rim.....Doz. 90

226 3 Tea Plate, (called 6 inch) actual diameter from edge to edge 8 inches, embossed rim....Doz. 1 10

Gold Line, Scroll and Sprig



226 31 Tea Cup and Saucer, low shape, flare top, size 3½ inch diameter, embossed edges.....Doz. $1 60



No. 226/33 Tea Plate $1.20 doz.

226/32—Plate, B. & B size, (called 5 inch) actual diameter from edge to edge 6¼ inches, embossed rim.....Doz. 1 00

226/33 Tea Plate, (called 6 inch) actual diameter from edge to edge 8 inches, embossed rim....Doz. 1 20

226 35 - Dinner Plate, (called 8 inch) actual diameter from edge to edge 9¼ inches, embossed rim.....Doz. 2 00

Blue Willow Plates and Platters

Semi-Porcelain

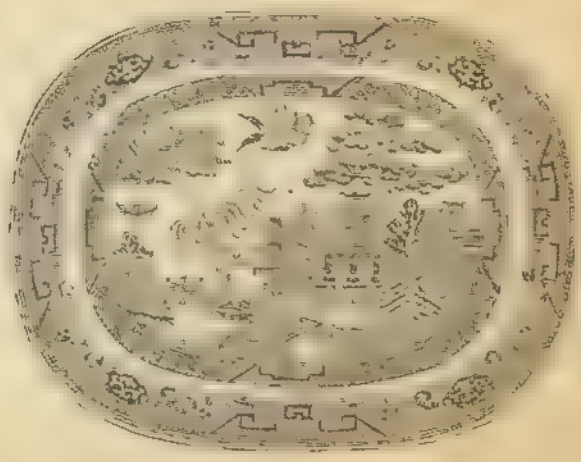
No. 3434 Tea Plate $1.00 doz.

343 3—B. & B. Plate, (called 5 inch) actual diameter from edge to edge, 8¼ inches.....Doz. 80

343 4—Tea Plate, (called 6 inch) actual diameter from edge to edge 7½ inches.....Doz. 1 00

343 5—Breakfast Plate, (called 7 inch) actual diameter from edge to edge 8½ inches.....Doz. 1 20

343 6 Dinner Plate, (called 8 inch) actual diameter from edge to edge 9½ inches.....Doz. 1 60



343/1—Meat Platter, (called 10 inch) actual size 12 x 9¼ inches.....Doz. 3 00

343/2 Meat Platter, (called 12 inch) actual size 14½ x 11½ inches.....Doz. [illegible]

Where Package Quantity is Mentioned we cannot Supply smaller lot

Basaltine Ware

Hand-painted, with Canadian Coat of Arms in colors on dull black body.

Creams

597/54—Height 3 inches ..... Doz. $7 20

597/57 Height 3¾ inches .. .. Doz $8.00

Sugars

597/53 -Height 4 inches .. ..Doz $12 00

597 56—Height 5 inches, ...Doz $14.40

Teapots

597 52—Height 4 ¼ inches . . . .Doz. $16.80

597 55—Height 5½ inches .. . .Doz. $19 20

Upright Jugs

597 42—Height 3¼ inches. . . . . Doz $4 00

597,58 Height 4 inches .. . . . Doz. $6.50

597/59 Height 4¾ nches .... Doz. $8.40

597,50 Cup and Saucer. A D size, cup 2½x2¼ inches; saucer 5 inches..Doz. $6.50

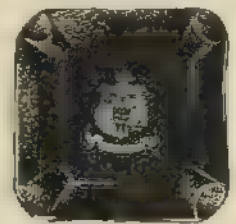
Plates

597 44—B. and B size, diameter 6¼ inches . Doz $4 00

597 45—Tea size, diameter 7¼ inches. ... Doz. $4.50

597/61—Cup and Saucer. Tea size, cup 2½x3 inches, saucer 5¼ inches Doz.. $8 00

597/61—Match Ball. Size 3½x3 inches, with scratcher top.....Doz. $8 00



597/40—Ash Tray. Size 4½x4½ inches, with four cigar rests ....Doz. $4 00

597/46 Heart-Shaped Tray. Size 1⅜x3½ inches. . ... Doz. $4.00

597 41—Tumbler Height 3½ inches. .....Doz. $4.00

597 48 Vase. Height 5½ inches.. . ..Doz. $8 00

597,47—Vase. Height 4 inches ..Doz. $4.00

597 49 -Vase. Height 5¾ inches.....Doz. $8.00

No. 597 63 $16 00 doz.

The following two pieces have extra large Coat-of-Arms as illustrated :—

597/63—Large Globe Jug. Height 5½ inches, full diameter 5¼ inches.... . ... Doz. $16.00

597,60—Cake Plate. 5¼ inches diameter ....Doz. $12.00

No. 597/60. $12.00 doz.

Earthenware Jugs

Barrel Shape Majolica glaze, amber shading to green at top.

Barrel 6s,	height 5 inches	....	Doz.	$1 60
Barrel 30s,	" 6 "	....	"	2 40
Barrel 24s,	" 6¾ "	....	"	3 00
Barrel 12s,	" 7¼ "	....	"	3 30

No. 505/69 $3.60 dozen

505 69—Cobalt blue at top and bottom shading to white at centre, clouded gold on edge, bottom and handle, large pink rose decoration, height 6½ inches... Doz $3 60

505 70 **Set of Three,** same decoration as above but consisting of three jugs, one 5½ inches high, one 7½ inches high, one 8¾ inches high Per set $1.20

Amberine Jugs Set of Three, one 5½ inches high, one 6¾ inches high, one 7 inches high, amber tinted glazed shading to black at top with assorted country scenes in black under glaze. Per set $1 00

Majolica finish, assorted colorings, embossed flower designs.

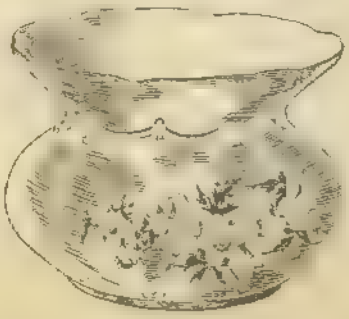
69/1—Height 6½ inches			Doz.	$2 00
69/2	" 7 "		"	2 50
69/3	" 7¼ "		"	3 00

505 39—**Set of Three,** one 7 inches high, one 7¾ inches high and one 8¼ inches high, neatly embossed in panels, clouded gold edges, crown derby style decoration, sold only in sets. Per set $1 70

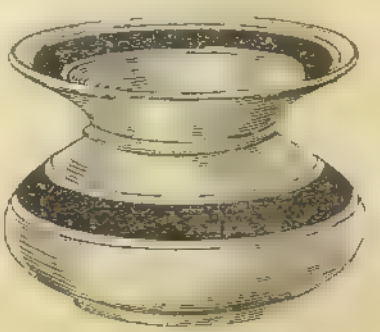
397/58—**Set of Three,** one 6 inches high, one 7 inches high, one 8 inches high, black glazed body with pink enamelled flower decorations, gold line on handle, two gold lines on top and bottom..... Per set $2 00

Cuspidors

Acme Majolica glaze, two colors assorted with embossed floral design, diameter 7½ inches .....Doz. $4 50



479 47—Diameter 7½ inches, neatly embossed rim, green and maroon tinted in parts and decorated with small flower design in gold, gold line on edge and around centre pink and cream rose decoration .....Doz. $8 40



147/136—**Hotel,** extra heavy with wide pink band inside top and outside, and narrow gold lines, diameter 7¾ inches, height 5½ inches Doz $16.80

Felt and Velvet Covered Animals

No. 93/224. $4.00 doz.

93/224. Assorted, felt covered Cats and Dogs, neck ribbon, glass eyes, average size 4 in., 1 doz. assorted in pkg ..... Doz. $1 60

93/225. Assorted, Cats, Dogs and Rabbits, with voice, neck ribbon and bell, glass eyes, average length 6½ in ½ doz. in pkg..... Doz 4 00

93/226. Cats, assorted positions, glass eyes, hair whiskers, neck ribbon and bell, average size 6½ in. ½ doz. assorted in pkg..... Doz 4 00

93/136. Rabbit, white wool, with glass eyes and silk ribbon on neck, pink lined ears, length 6 in., ½ doz. in pkg..... Doz. 4 00

No. 93/139. $4.00 doz.

No. 93/52. $4.00 doz.

93/139. Lamb, thick woolly covering all over, neck ribbon with bell, glass eyes, very natural shape, length 6½ in., height 5 in., ½ doz. in pkg..... Doz. 4 00

93/52 Dog assorted colors, head and front, half with curly wool fur, hind quarters "clipped," neck ribbon and tassel, size 7 x 7 in., ½ doz. assorted in pkg Doz. 4 00

93/182. Velvet Rabbit, strongly sewn, velvet color in natural colors, glass eyes, ribbon around neck, wool stuffed, size 5 x 3 in., 1 doz. in pkg..... Doz. 2 50

93/133. As above, but size 6½ x 4 in., ½ doz. in pkg. Doz. 4 00

99/259. Cat, made of velvet strongly sewn, crouching position, glass eyes, ribbon collar with bell, size 7 x 3½ in., assorted colors, ½ doz. assorted in pkg. Doz. 4 00

99/260. Similar to above, but in sitting position, size 5 x 6 in., assorted colors, ½ doz. assorted in pkg... Doz. 4 00

411/74. Assorted, Dog, Cat and Rabbit, strongly made felt covered animals, each on green baize covered platform with wheels, length 4 in., ½ doz. (3 kinds) assorted in neat display box, 1 doz. to a pkg.... Doz. $2 40

411/75. Assorted, Dog, Cat and Rabbit, each on green baize covered platform with wheels, figures strongly made with glass eyes and bell and ribbon, length 6 in., ¼ doz. in display box (one of each kind), ½ doz. in pkg..... Doz 4 00

411/76. As above but larger, length 8 in., ¼ doz. (3 kinds) in display box, ¼ doz. to a pkg.. Doz. 8 00

Iris Glass Bakets

Iris Glass Fancy Basket, with crystal handle joined to basket with fancy crystal rosettes.

166 68. Entire height 13 inches . Doz. $14 40
166 69. " 16 " " " 24 00
166,70. " 19 " " " 30 00

LITHOGRAPHED CLOTH TOYS

112. Stuffed Pug Puppy, height 6½ in., 1 doz. in pkg.. ....Doz. $0 90

115. Stuffed Dolls, assorted boys and girls, length 12 in., lithographed in bright colors, 1 doz. assorted in pkg.....Doz. 2 40

DOLL'S TROUSSEAU

No. 671 16. $3.00 each

671/18. Consisting of dressed bisque doll 5 in. high, with seven pieces of extra clothing in fancy plaid covered trunk with handles and pull out drawer, size of trunk 6½ x 4¾ x 4½ in.....Doz. 19 20

671/16. Contains dressed doll 5½ in. high, two extra dresses, hat, and eight extra pieces of underclothing, each set in basket work trunk with canvas covered top, removable tray, polished nickel handles, and lock and key, size 7¾ x 5½ x 4¾ in.....Each 3 00

671/17. Similar to 671/16, but larger doll, 6½ in. high, more elaborate costumes and ten extra pieces of underclothing, size of trunk 9 x 6¼ x 5½ in..Each 4 00

671/18. Similar to 671/16, but doll 9 in. high, fine quality lace trimmed dresses and hat, nine extra pieces of fancy underclothing, size of trunk 11 x 7½ x 6 in.....Each 5 00

DOLL PARASOLS

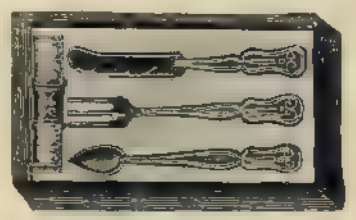
70. Flowered percale, assorted colors, assorted handles with colored pompoms, length 13 in., 1 doz. in pkg. .....Doz. $4 00

71. Three kinds assorted colors, striped and flowered sateen frilled border, metal tip and ferrule, assorted metal and enamelled finish handles with colored pompoms, length 13 inches, 1 doz. in pkg ....Doz. 7 50

72. Flowered sateen, assorted colors, deep frilled lace border, assorted imitation agate handles with assorted colored pompoms, metal tip and ferrule, length 13½ in., 1 doz. in pkg.....Doz. 10 80

DOLL CUTLERY SETS

615/1. Silver finish, decorated china handles, size of card 4¼ x 2 in., 1 doz. sets in pkg.....Doz. sets $1 20

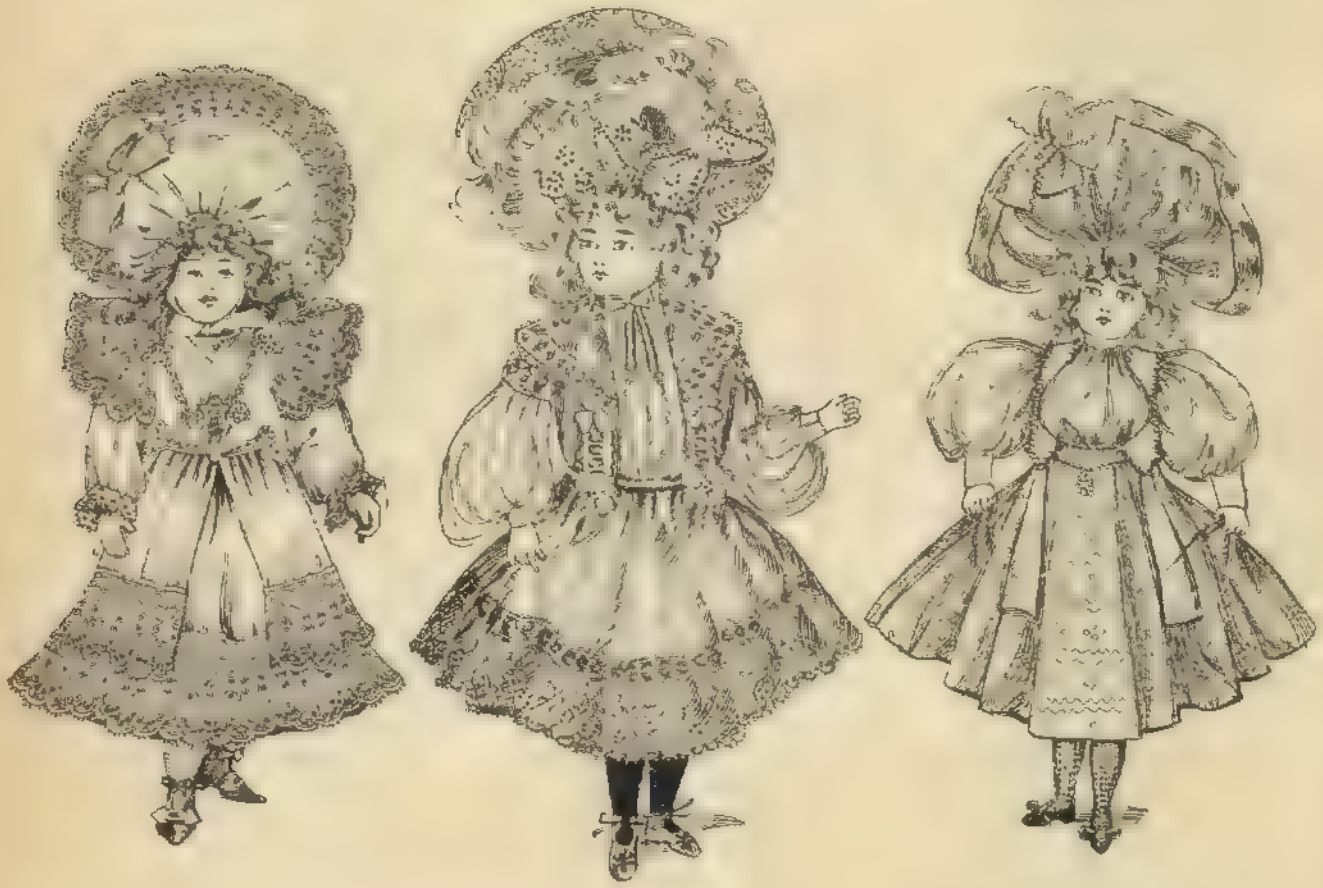


99/239. Pewter knife, fork, spoon and napkin ring, with napkin, each set in box 4½ x 1¾ in., 1 doz. sets in pkg.....Doz. sets 1 60

99 80. Set, as illustrated, containing three each, knives, forks, spoons, knife rests, napkin rings with napkins, fancy embossed pewter, each set in box 5¼ x 4½ in., ½ doz. sets in pkg.. .....Doz. sets 4 00

Fine Large Dressed Dolls

All have Full Jointed Bodies, Fine Bisque Heads with Rich Curls and Sleeping Eyes. Dresses, Underwear, Hat, Stockings and Shoes are all made detachable so that the Doll can be dressed and undressed.



421 10. Three kinds. Satin dresses in three distinct styles, elaborately trimmed with lace, ribbons and fancy braid. One style has straw hat trimmed with feathers and ribbon and another style has shirred hat in material to match dress. Can be had in pale blue, salmon pink or red colors. Each in box .. ..Doz. $24 00

561 36. 20 inch. A gorgeous lace dress, with silk embroidered feather stitched stripes running up and down, fancy pleated panel down front, with eight silk frills shading from dark to light, large lace sleeves and collar, straw hat with chiffon trimming, colored shoes and stockings to match costume. Each in box ....Each 2 80

561 37. Similar to 561 36, but has French style child costume with transparent muslin over colored under dress, lace yoke blouse, deep lace frill at top of skirt and four silk ribbon frills around bottom, chiffon trimmed hat, white shoes and stockings. Each in box . ...Each 2 80

Trade Discount on all Prices in this Catalogue. Terms: 5 , 30 days

Dressed Dolls—*Continued*

421/6. 16 inch, **six kinds assorted,** all with **sleeping eyes.** Six entirely different styles of dresses, all different materials and three different colors assorted, red, pink and blue. All elaborately trimmed with laces, braids and ribbon, large straw and muslin summer hats trimmed with flowers. Shoes and stockings either in white or color to match dress. Fine quality bisque heads with pretty faces and rich curls, each in box, ½ doz. assorted styles in pkg. .Doz. $8 50

421/7. 17 inch, **six kinds assorted, sleeping eyes,** similar styles to 421/6, but more elaborate costumes, each in box..... .....Doz. $12 00

421/8. **Six kinds, A., B., C., D., E. and F.** 18 inches high, fine bisque heads with **sleeping eyes,** each has colored stockings and shoes to match dress, packed each in box.

Six different costumes as follows:—

A. Silk skirt, pleated muslin blouse, lace trimmed silk collar, white muslin hat with ribbon bow.

B. French style child's dress, made throughout of satin with large lace collar, hat same material as dress.

C. Satin skirt revers, muslin blouse, lace hat.

D. Similar to B, but has feather trimmed hat.

E. Silk dress, French style with ribbon belt tied in front, fancy lace trimmed revers and white yoke, hat same color as dress, trimmed with white ostrich spray.

F. Mother Hubbard style satin dress with fancy lace and braid trimmed bertha

421/8. A., B., C., D., E. or F. ..... .Doz. $16 80

609/2. **Three kinds, A., B. and C.,** 20 inches high, **sleeping eyes,** three styles of costumes, each in assorted colors.

A. Accordeon pleated organdie overdress in pale shades, over colored underdress, double revers with ribbon edge, ribbon edge on skirt and large bow of ribbon at waist, colored muslin hat trimmed with flowers and foliage.

B. Silk costume, made in Mother Hubbard style, large lace bertha, flowing silk streamers down front with tassel ends, white lace hat.

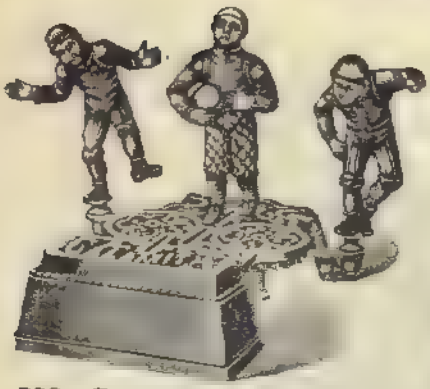
C. Fancy silk dress with all-over lace vest, elaborately trimmed revers, flowing streamers with pearl bead ornaments, pleated muslin hat same color as dress, carnation flowers.

609/2. A., B. or C..... ....Doz. 19 20

Where package quantity is mentioned we cannot supply smaller lot

Mechanical Iron Banks

All are painted in Bright Colors

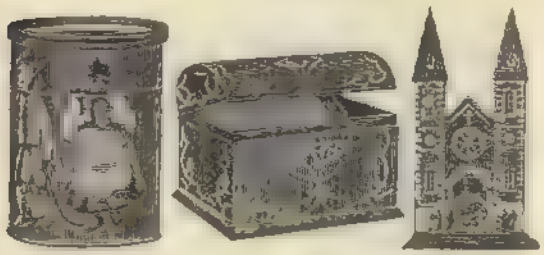


338. Football Bank. Move the right and left tacklers back, position, place a coin in slot in front of ball back and press lever, as the players come into position the coin drops into receptacle. Each in box..... ..... Doz. **$26.40**

302. Ball Game Bank. Place a coin at the hand of the pitcher, press the lever and the coin is swiftly pitched. As the batter misses, it is safely deposited by the catcher. In box. Length 10 inches, height 7¼ inches.... Doz. **$26.40**

332. Clown Bank. When the lever is released the globe and clown whirl around and a key is missing in the globe. By pressing the knob, the clown will change position and stand on his head. Height 9 in., dia. 5 in. ....Doz. **$26.40**

TIN BANKS



No. 356/43 No. 356/80 No. 356/44

356/43. Cylinder shape, lithographed figures with heads on separate band so that comical effects can be had by turning the heads from one figure to another. Size 3 x 2¼ in., 1 doz. in pkg.. ..... Doz. $0 60

355/80. Trunk shape, hinge cover and coin slot in top, colored and embossed. Size 2¾ x 2 in., 1 doz. in pkg ....Doz. 60

356/44. Church shape, with hinge top cover, lithographed in colors. Size 2½ in. long, 3¼ in. high. 1 doz. in pkg .. Doz. 76

No. 102 No. 356/51 Nos. 717/24 Nos. 717/24 $4.00 dozen

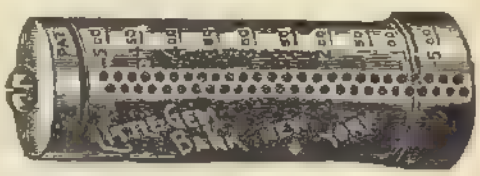
102. With alphabet and assorted mottos "For a Good Girl," "For a Good Boy." Size 2 x 2¾ in. 1 doz. in pkg ..... Doz. $0 70

356/51. The two views "Before" and "After Feeding" illustrate this bank. Lithographed tin negro with tongue and eyes that make grimaces when coin is dropped in. A wonderful five cent toy. Height 3½ in. 1 doz. in pkg . . . Doz. 70

Gothic. Gothic shape, panelled and bronzed. Size 4 x 2¼ in. 1 doz. in pkg. Doz. 80

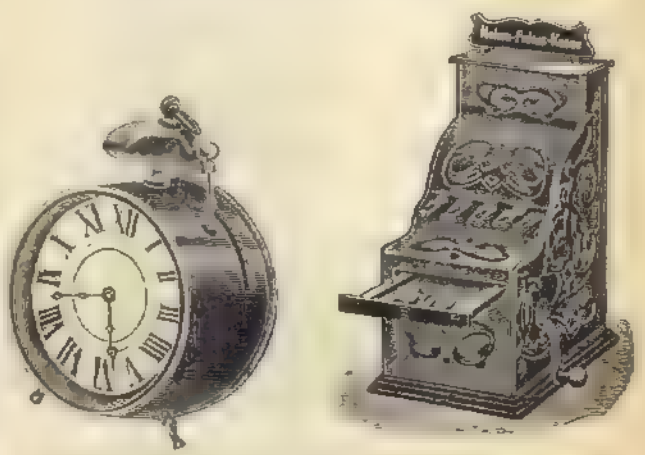
717/24. Drum shape, silver nickel plated, lock and key, size 2¼ x 2 in. 1 doz. in pkg Doz. 84

GEM POCKET BANK



"Little Gem" dime savings bank, fine nickel plated, 1 doz. in pkg ....Doz. $1 60

ALARM CLOCK BANK



No. 717/29. $4.00 dozen No. 356/52. $4.00 dozen

717/29. An exact reproduction of nickel alarm clock, with lock and key back. When coin is dropped in slot the bell rings. Height 4½ in., dia. of dial 3 in., 1 doz. in pkg . . Doz. $4 00

CASH REGISTER BANK

356/52. Miniature model of cash register, a fine nickel finish. Coin is placed in open drawer and the handle turned. This causes drawer to spring shut, bell rings and coin is deposited in section of the bank. Lock and key back. Size 5x4 in. 1 doz. in pkg Doz. 4 00

Hockey Pucks

"Crown Official." Finest quality.... Doz. $7 20

2. Regulation Size and weight 4 00

Boys' Puck, under regulation size and weight, but a lively well-proportioned puck for boys play 2 40

Hockey Goals

Complete with iron frame work, full regulation size and regulation style. Per set of two complete.....$27 00

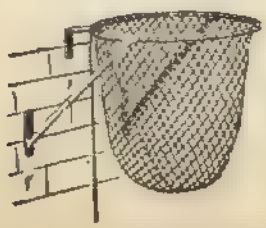
Hockey Gloves

70. Hockey Glove. Tan leather fingers are padded back to wrist, and wrist and lower part of forearm is protected by cane covered with leather; finger face of chrome tan leather and all open palm, each put up in strong cardboard box.....Per pair $4 50

Basket Balls.

7. "Official" Basket Ball. Highest quality material and workmanship throughout, each complete in box with bladder .....Each $5 50

Basket Ball Goals



Iron frames and nets complets..... .....Per pair $7 20

Shin and Leg Guards

For Football or Hockey, all with Flexible Cane Splints

No. 25. $4.00 doz. pairs

No. 50. $8.00 doz. pairs

25. Boys' Size. Heavy brown duck bound top, webbing straps and buckles. ½ doz. pairs in pkg....Doz. pairs $4 00

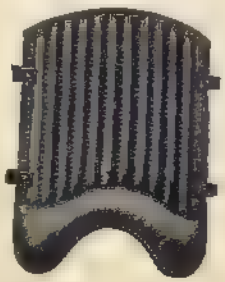
50. Boys' Size. Leather front and leather bound top, canvas backs, ankle pads, solid leather straps and harness buckles. ¼ doz pairs in pkg..... Doz. pairs $8 00

No. 52. $8.00 doz. pairs

No. 53. $12.00 doz. pairs

52. Youths' Size. Leather front and leather bound top, canvas backs, solid leather straps and harness buckles, ¼ doz. pairs in pkg.....Doz. pairs $8 00

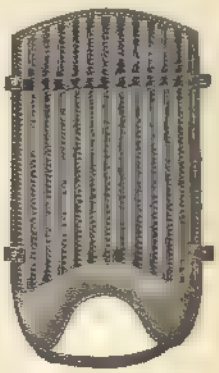
53. Full Size. High tops leather bound, three solid leather straps with harness buckles and ankle pads, ⅛ doz. pairs in pkg.....Doz pairs $12 00



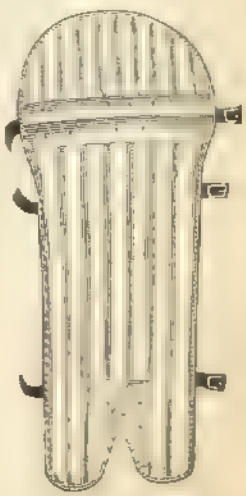
175. Full Size. Extra wide shape, with ankle and pad extending over instep. Specially tanned soft leather, leather bound top, canvas back, solid leather straps and harness buckles, ⅛ doz. pairs in pkg.....Doz. pairs $13 00

200. Our Special. Fronts are made of stock specially tanned for the purpose, leather binding and leather backs, two straps extending across fronts and extra strap at ankle, extra size pad for outside ankle. Each pair in pkg. Doz pairs $16 80

225. Same as our No. 200 but extra high shape, each pair in pkg.. .....Doz. pairs $20 40



250. A highshape pad made with extra close fitting ankle pads, sole strap and three extra pads or rolls across inside of pad which gives extra protection and ventilation.. Doz. pairs $24 00



No. 22½. $2.25 pair.

22½. Men's stout linen over strong cane, leather straps... ...Per pair $2 25

25. Good quality White Buck, seven bars, strongly sewn straps and nickel plated .....Per pair $3 30

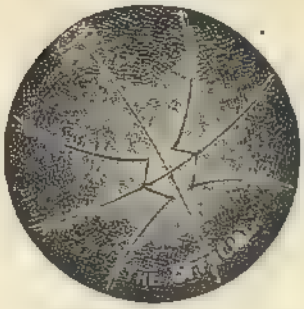
26. Similar to No. 25, but better quality buck, and is eight bars wide ....Per pair $4 00

Footballs

Scotch King

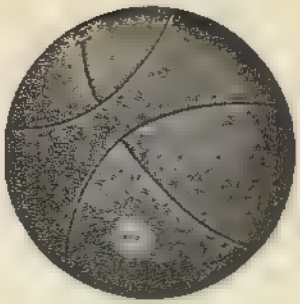
5A **Scotch King,** six piece, highest grade oak tanned leather, hand sewn, lock stitched, fully guaranteed against ripping or losing shape, each in box with red rubber bladder . . . . Each $5.50

Official



5-O. **"Official Association,"** six piece, highest quality hand-sewn ball, welted seams, packed each in a separate box complete with best quality red bladder, fully guaranteed. . . . . Each $5.00

Varsity



5. **"Varsity," Tomlinson Pattern,** first quality cover and bladder, welted seams, every ball guaranteed perfect and warranted to retain shape, each in box with red bladder . . . . . Each $4.20

Strathcona

5 **"Strathcona"** six-piece pattern, selected stock, hand sewn. First quality red rubber bladder. Each in box. . . . . Each $4.20

Glasgow

5 **"Glasgow" Match,** six piece ball good quality material and workmanship throughout, each in box complete with red bladder. . . . . Each $3.60

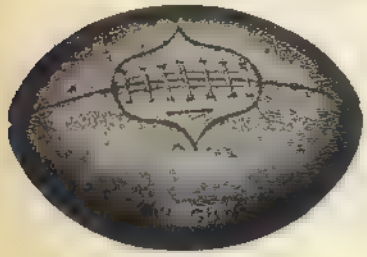
4 **Glasgow Match,** red bladder . . . . . Each $3.20

Practice

5. **Practice,** a good serviceable ball for boys, complete with No. 5 red bladder . . . . . Each $2.80

4. **Practice,** complete. . . . " $2.50

Rugby Footballs



5OR. **"Official" Rugby,** highest quality hand-sewn ball, packed each in separate box, complete with best quality red bladder, fully guaranteed. . . . . Each $5.00

5R. **Regulation Rugby,** a guaranteed first quality ball and grey bladder, each in box . . . . Each 3.60

Rubber Footballs

Made of heavy black rubber, extra strong. Six-piece body with strongly re-enforced, protected seams. Impervious to all kinds of weather, is just the thing for wet grounds or winter play. Fitted with patent safety valve.

Size 1.	Complete with inflating tube		Each	$0 60
Size 2.	"	"	"	70
Size 3.	"	"	"	1 00
Size 4.	"	"	"	1 20
Size 5.	"	"	"	1 40

FOOTBALL BLADDERS

The following are **Full Size.** Compare them side by side with other lines on the market.

Association

Best quality red rubber. Seams are all made with extra care and each bladder is tested before leaving factory.

4.	Association	Doz.	$13 20
5.	"	"	14 40
6.	"	"	15 60

Striking Bag Bladder

8. Red rubber, extra heavy . . . . . Doz. $21 60

Rugby

Made of the same high class quality rubber as the Association rubbers.

5R. To fit either 5R or 5OR Rugby balls. . . . . Doz. $14.40

Football Pump or Inflator

2. Brass cylinder, nozzle end . . . . . Doz. $6 00
1. Black enamel, large club size, nozzle end . . Each 1 50

German China Cups and Saucers

A Few of the Most Saleable Lines From Our Immense Range

No. 486/70 $1.40 doz.

No. 152/201 $1.60 doz.

486/70—Large child's size, cup 2¼ x 2¼ inches, twist panel shape, gold line on edge and handle, assorted flower decorations, saucer 4¼ inches with two gold lines, 1 doz. assorted in pkg.....Doz. $1 40

152/201—Child's motto cup and saucer, cup 2¾ x 2½ inches, pink lustre band on top of cup and rim of saucer, neatly embossed, assorted flowers and mottoes, 1 doz. in pkg.....Doz. 1 60

152/205—As 152/201 but larger size, cup 2¾ x 2¼ inches, saucer 5½ inches, 1 doz. assorted flowers and mottoes in pkg .....Doz. 1 80

No. 152/204 $1.60 doz.

No. 152/203 $1.60 doz. (Picture Decoration)

152/204—Cup 2¼ x 2½ inches, lower half pink lustre tint, upper part with gold flower decoration, 1 doz. in pkg .....Doz. 1 60

152/203—Cup 2¾ x 2½ inches, neatly embossed, assorted picture decorations in colors, Christmas subjects, 1 doz. in pkg .....Doz. 1 60

No. 212/1 $1.60 doz.

No. 212/3 $1.70 doz.

212/1—Cup 2½ x 2 inches, three assorted heavy raised gold decorations, gold line edges, 1 doz. assorted in pkg.....Doz. 1 60

12/3—Same shape and size as 212/1, assorted pink, green and yellow lustre tints, and assorted heavy raised decorations, 1 doz. assorted in pkg....Doz. 1 70

No. 22/150 $2.40 doz.

No. 212/6 $2.50 doz.

22/150—Full lustre tinted cup and saucer, assorted pink and green, assorted mottoes in raised gold panel, raised gold flowers, cup 2½ x 2½ inches, saucer 4½ inches, ½ doz. in pkg.....Doz. 2 40

212/6—Large child's size, cup 2⅞ x 2½ inches, three kinds assorted, heavy raised decorations in gold and colors, gold line edges, 1 doz. assorted in pkg .....Doz. 2 50

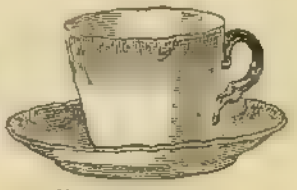
No. 152/208 $2.00 doz.

No. 152/206 $2.00 doz.

152/208—Fancy shape, full size tea, cup 3¼ x 3 inches, saucer 6 inches, neatly embossed and has garland flower decoration of roses and forget-me-nots extending all around cup, 1 doz. in pkg..Doz. $2 00

152/206—Full size tea, cup 3⅛ x 2¾ inches, lower half of cup and centre of saucer pink lustre tint, upper part gold floral decoration on white, gold line edges, 1 doz. in pkg.....Doz. 2 00

No. 152/211 $2.50 doz.



No. 152/263 $2.00 doz.

152/210—Tea size, motto cup and saucer, cup 3¼ x 3 inches, assorted color tints on edges and handle, assorted gold mottoes in assorted flower panels, 1 doz. in pkg.....Doz. 2 00

152/211—Coffee size, motto cup and saucer, cup 3½ x 3¼ inches, otherwise as 152/210, ½ doz. in pkg.Doz. 2 50

152/212—As 152/211 but **Moustache,** ½ doz. in pkg.....Doz. 3 00

152/263—Tea size, cup 3 x 2⅜ inches, neatly embossed, pink lustre tint shading from top, gold line on edge and handle, ½ doz. in pkg .....Doz. 2 00

152/265—Coffee size, cup 3¼ x 3 inches, otherwise as 152/263, ½ doz. in pkg .....Doz. 3 20

152/266—As 152/265 but **Moustache,** ½ doz. in pkg .....Doz. 3 60

No. 152/229 $3.60 doz.

No. 152/221 $4.00 doz.

152 229—Large coffee size, decoration in high relief gold, assorted wording, "Wife," "Husband," "Father," "Mother," "Sister," "Brother," in relief gold, gold edge on cup and saucer, cup 8¾ x 3¼ inches, saucer 6½ inches, ½ doz. assorted in pkg .....Doz. 3 60

152/230—As above, but **Moustache,** and all men's mottoes, ½ doz. assorted in pkg.....Doz. 4 00

152 221—**Jumbo.** Extra large coffee cup, with fat man head and motto, "I am not greedy, but I like a lot," neatly embossed and gold edge on edges and handle, cup size 4 x 3¾ inches, saucer 6¾ inches, ½ doz. in pkg.....Doz. 4 00

152/222—As above, but **Moustache,** ½ doz. in pkg.....Doz. 4 50

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Catalogue No. 19

FALL AND HOLIDAY TRADE

Season 1906-7

Our Main Warehouse, 146-148 Front St. West (opposite Union Station) Toronto, connected with large premises and bridges with our new Wellington Street Annex, giving a total of over 75,000 feet of floor space devoted to our stock business

NERLICH & CO.

146-148 Front St. West, TORONTO

(Opposite Union Station)

MONTREAL SAMPLE ROOM:
301 St. James St. Cor. Victoria Sq.

QUEBEC SAMPLE ROOM: 76 Bridge St.
Maurice Fregeau, Representative

BUYING OFFICE: Berlin, Germany

Glass Night Lamps

All are furnished complete with burners and wicks, and also with chimneys, where illustration shows same. Where no chimney is shown, the lamps are intended to be used without chimneys.

"Virginia."

No. 2.

"Virginia." Assorted ruby and green fonts, with embossed gold decoration, crystal chimney, height 7⅛ inches. Each lamp complete in carton. . . . . Doz **$3.20**

2. Assorted. Crystal, green and blue tinted bodies, with assorted enamel decorations, combination globe-chimney, height, 6 inches. Each in carton box ....Doz **$3.20**

166/51. Ruby, with optic panels, globe ground and polished on top, height 8½ inches ½ doz. in pkg Doz. **$4.80**

"Gypsy" Assorted green and red panels, alternating with cut crystal panels, height 8 inches. Each complete in separate carton..... Doz. **$6.00**

"Cricket." Assorted ruby and green, solid color font and globe, decorated with gold embossed Fleur-de-Lis, height 7¼ inches. Each lamp complete in separate carton.. . . ..Doz. **$6.50**

"Empress." Assorted ruby and green, solid color font and shade, with panels formed by embossed gold lines, entire height 7¾ inches. Each lamp complete in separate carton.....Doz. **$6.50**

"Maude." Assorted ruby and green, solid color body, embossed floral design, three-arm brass finished shade frame. Entire height of lamp 8½ inches. Each lamp complete in separate carton . . . . . Doz. **$7.20**

"Crown." With lift-out metal font, set in glass base. Assorted ruby and green colors, with heavy gold decoration. . . . . Doz. **$7.20**

500 Assorted. Green, pink and blue, decorated in colors and gold, height 9¼ inches. Each in separate carton. .. Doz **$7.20**

166/64. Marbelized Effect in assorted colors, cut and pressed top globe, crystal chimney, height 8½ inches ½ doz. assorted in pkg. Doz. **$8.40**

We cannot sell smaller lots than quantity mentioned in package

Glass Salts and Peppers

All are packed assorted half Salts and half Peppers.

628/4 Railroad Empress 0117/74 0112/15

628 4—Blown crystal, embossed pattern, aluminum top, height 3¼ inches, 1 doz. in package ....Doz. $0 66

"Railroad"—Blown crystal, with nickel top, height 2¾ inches, 1 doz. in package .....Doz. 0 80

"Empress"—Blown crystal, dome nickel top, new feather panel pattern, height 3½ inches, 1 doz. in package .....Doz. 0 80

0117/74—Blown crystal, large new shape, nickel top, height 3½ inches, 1 doz. in package.... .....Doz. 0 80

0112/15—Pressed crystal, cut glass pattern, fancy nickel top, height 3¼ inches, 1 doz. in pkg....Doz. 1 20

0119/4 3½ 0117/75 110 61

0119/4—Pressed crystal, colonial pattern, star bottom, nickel top, height 3¼ inches, 1 doz. in pkg....Doz. $1 20

3½—Pressed crystal; square shape, bevel corners, Britannia metal top, height 3½ inches, assorted salts and peppers, 1 doz. in package .....Doz. 1 50

0117/75—Colonial pattern with concaved diamond base, cast nickel top, 1 doz. in package .... Doz. 1 60

110—Large square shape, slightly tapered, non corosive white metal top, height 4 inches, 1 doz. in package .....Doz. 2 00

61—Footed colonial shape, fine clear crystal, cast nickel top, 1 doz. in package..... ....Doz. 2 40

Toy Glass Table Set

A splendid twenty-five cent article that offers a good profit.

"Brilliant" Toy Table Set, consisting of covered butter dish, 3½ inch diameter, covered sugar bowl 3¾ inches high, cream jug and spoon holder, neat pressed pattern. Assorted crystal, green and blue colors. Each set in carton. ½ doz. assorted (3 colors) in pkg .....Doz. sets $3 00

Sugar Shakers

22—Ruby body with optic spots, dome nickel top, ½ doz. in pkg. .....Doz. $3 00

0 1138—Pressed crystal, tall shape, colonial spiral pattern, fancy frosted snowflake bottom, silver plated top.....Doz. 4 00

Glass Castors

No. 0120/4, $2.80 Doz.

No. 0120/4, $5.50 Doz.

No. 0120/5, $12.00 Doz.

0120/3—Glass base and handle, two glass bottles, salt and pepper, height 5½ ins. Each in carton .....Doz. $2 80

0120 4—As above but three-bottle size, salt, pepper & mustard, height 6½ ins. Each in carton.....Doz. 5 50

0120 5—Large footed style, with detachable screw handle, four bottles, salt, pepper, vinegar and mustard Entire height 9½ inches. Each packed complete in separate carton .....Doz. 12 00

Oil and Vinegar Bottles

No. 0120/1, $2.40 Doz. "Juno," $2.40 Doz. No. 0120/2, $3.50 Doz.

0120 1—Pressed crystal, fluted design, full fire finished large neck, 4 oz. capacity, height 6½ inches, open stock .....Doz. $2 40

"Juno"—Pressed crystal, tall shape, cut glass pattern, 4 oz. capacity, height 6¼ inches, open stock .....Doz. 2 40

0120 2—Pressed crystal, large size, 8 oz. capacity, attractive cut glass pattern, height 6½ ins....Doz. 3 50

Doll Heads

NOTE - Sizes given are: First, the height, then width across shoulders.

GLAZED CHINA

Painted Hair and Eyes.

236½0.	Size 2¼ x 2½ inches,	1 doz. in pkg.		Doz.	$0 80
236/0.	" 2¾ x 2½ "	1	"	"	1 00
236/1.	" 3¼ x 3 "	1	"	"	1 30
236/2.	" 3¼ x 3 "	1	"	"	1 60
236/4.	" 3¾ x 3½ "	½	"	"	2 40
236 6.	" 4¼ x 4 "	½	"	"	3 60
236/7.	" 5¼ x 4¼ "	½	"	"	4 00

BISQUE CHINA

Mohair Curls, Fine Glass Eyes.

30.	Size 2½ x 1¾ inches,	2 doz. in pkg.		Doz.	$0 90
1/5.	" 3½ x 3 "	½	"	"	1 60
1/7.	" 4 x 3¼ "	½	"	"	2 50
1/13.	" 5 x 4 "	½	"	"	4 00

AS ABOVE, BUT SLEEPING EYES

31.	Size 3 x 2½ inches,	1 doz. in pkg		Doz	$1 80
2 5.	" 3¼ x 3 "	½	"	"	2 50
2 8.	" 4¼ x 3½ "	½	"	"	3 20
2/11.	" 5 x 4 "	½	"	"	4 00
2 15.	" 5¾ x 4¼ "	¼	"	"	6 50

BISQUE CHINA

Mohair Curls with two Ribbon Bows

3/2.	Size 3¼ x 2½ inches,	½ doz. in pkg		Doz.	$1 70
3 6.	" 3¾ x 3 "	½	"	"	2 50
3 8.	" 4 x 3½ "	½	"	"	3 00
3/11.	" 4¼ x 4 "	½	"	"	4 00

As above, but Sleeping Eyes

4/2.	Size 3¼ x 2½ inches,	½ doz. in pkg		Doz.	2 50
4/6.	" 4 x 3 "	½	"	"	3 20
4/9.	" 4½ x 3½ "	½	"	"	4 00
4/11.	" 4¾ x 3¾ "	½	"	"	4 50
4/16.	" 5½ x 4½ "	¼	"	"	8 00

METAL HEADS

Made of metal, but colored and finished so that they look like Bisque China

614/0.	Size 3 x 2 inches,	½ doz. in pkg.		Doz.	$2 40
614/1.	" 3¼ x 2¼ "	½	"	"	3 00
614/2.	" 3½ x 2½ "	½	"	"	4 00
614/4.	" 4½ x 3 "	each in box		"	6 00

Metal Head with Mohair Curls, Painted Features

614 11.	Size 4½ x 2½ inches,	each in box.		Doz.	$5 50
614/13.	" 5 x 3¼ "	"	"	"	9 00
614/14.	" 5½ x 3½ "	"	"	"	11 00
614/15.	" 5¾ x 3¾ "	"	"	"	13 50

Rubber Dolls

Naked rubber

Naked Style

Grey rubber, painted features, embossed shoes and stockings, embossed hair, all with whistle.

703/2.	5	in.	1 doz. in pkg.	Doz.	$2 50
703 3.	6½	"	1 "	"	3 40
703 4.	7	"	½ "	"	3 80
703 5	8	"	½ "	"	6 00
703.6.	9¼	"	½ "	"	7 50

Similar to above but red rubber

426/16a. 4½ in., 1 doz. in pkg. Doz. 3 60

With Knitted Dresses

Grey rubber, painted features, embossed shoes, and stockings, embossed hair, knitted wool dresses and hats in assorted colors with whistle.

703/8.	6	in.,	1 doz. in pkg	Doz.	$3 20
703 10.	7½	"	½ "	"	4 00

Dressed rubber

Rubber Toys

Grey rubber, painted features, embossed clothing and hair, all with whistle.

426/2. $2.40 doz. 703/17. $2.50 doz. 426/65. $3.20 doz. 703/20. $4.00 doz.

426 2	Assorted, 3 kinds, 6 in., 1 doz. assorted in pkg			Doz.	$2 40
703/17.	Red Riding Hood, 4½ in., 1 doz. in pkg.			"	2 50
703 18.	Sailor Boy, 5½ in., 1 doz. in pkg.			"	2 50
426/65.	Fat Boy, 6 in., 1 doz. in pkg.			"	3 20
426/64.	Assorted, 3 kinds, Highlander, Santa Claus and Bathing Girl, 6½ in., ½ doz. assorted in pkg.			Doz.	3 60
703 20.	Whistling Charlie, 7 in., ½ doz. in pkg			"	4 00
703 22.	Fat Boy large size 5½ in., ½ doz. in pkg.			"	4 00

Rubber Animals

703 31.	Assorted grey rubber, cats, dog, horses, donkeys, etc., average size 5 x 3¼ in., 1 doz. assorted in pkg.			Doz.	$4 00
426 47.	Assorted, red rubber, horses, donkeys, goats, dogs and cats, average size 4½ x 4 in., ½ doz assorted in pkg.			Doz.	8 00

Doll Stockings

Fancy knitted openwork stockings, assorted white, black, pink and blue, packed 1 doz. assorted sizes and colors in box.

626 1. Twelve sizes, assorted 4 to 15, assorted colors..... Doz. pairs $0 60

626/3. Four large sizes, 9 to 12, assorted colors, ... Doz. pairs 1 00

626/4. Four extra large sizes, 13 to 16, assorted colors.. ...Doz. pairs 1 30

Doll Shoes

No. 52/16. 70c. doz. pairs

No. 52/17. 80c. doz. pairs

52/16. Assorted colors, kid finish, cloth bound edges, slipper style, fancy buckle and tie, assorted sizes from 0 to 5, 1 doz. pair assorted in pkg ..... Doz. pairs $0 70

52/17. Assorted colors, sateen finish, cloth edges, rosette front string tie, sizes 0 to 5, 1 doz. pair assorted in pkg. .. .. Doz. pairs 80

52/18. As 52/17, but sizes 5 to 10, 1 doz. pair assorted in pkg. .. ..Doz. pairs 1 50

No. 52/19. $1.60 doz. pairs

No. 52/20. $2.40 doz. pairs

52/19. Oilcloth patent leather finish, lace and wool pompom, all black, sizes 2 to 7, 1 doz. pairs in pkg. .. . . .Doz. pairs $1 60

52/20. Oilcloth, patent leather finish, assorted white and colored kid uppers with laces to match, sizes 2 to 7, 1 doz. pairs assorted in pkg.....Doz. pairs 2 40

No. 52/21. $2.40 doz. pairs

No. 52/22. $3.00 doz. pairs

52/21. Oilcloth, patent leather finish, cloth bound edges slipper style with bow and laces, sizes 2 to 7, 1 doz. pairs in pkg. . ...Doz pairs 2 40

52/22. Laced leather tan shoes with fancy scalloped edge, sizes, 2 to 7, 1 doz. pairs in pkg..... Doz. pairs 3 00

Dressed Dolls

All have bisque heads with glass eyes, painted lashes and brows, parted lips showing teeth, flowing hair, are jointed at neck shoulder and hip.

No. 90/20 25.

292/7. 8-inch assorted blue, red and pink muslin dresses with gold cord girdle and lace neck, painted shoes, ½ doz. assorted in display box, 1 doz. in pkg.. . .Doz. $1 80

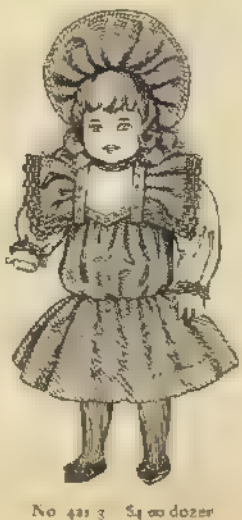
90/20 25. Assorted, six different styles of dresses in assorted colors, each doll in fancy individual box, length 6 inches, 1 doz. in pkg. ....Doz. 2 00

No. 90/41/46. $2.30 doz

90/41/46. Assorted fancy Summer and Winter costumes, all well trimmed, crimped hair, painted shoes, each in box, ½ doz assorted in pkg.. . Doz. $2 50

No. 363/103 $3.30 doz.

363/103. 11½ inch, 3 kinds assorted, lace and tinsel trimmed costume, muslin underwear, real shoes and stockings, ½ doz assorted styles and colors in pkg. . . .... Doz. $3 30



No 421 3 $4 00 dozen

421 3. 12 inch. French style, child's frock made of basket weave silkoline, white yoke paneled in fancy trimming, full shirred revers with lace trimming, hat same material as dress, black stockings and shoes, each in box, ½ doz, assorted colors in pkg. ..... Doz. $4 00

No. 421/4. $4 00 doz.

421/4. 12 inch. Blouse suit, made of fancy colored silkoline, fancy trimming on skirt, sailor collar with braid trimming and deep lace frill, ribbon bow and streamers, white muslin hat edged with lace, black stockings and shoes, each in box, ½ doz. assorted colors in pkg..... Doz. $4 00

No. 421/5. $4.00 doz

421/5. 12 inch. Smart fancy dress of colored with full blouse, white insertion work bertha and white sleeves, straw hat with ribbon bow, black shoes and stockings, each in box, ½ doz. in pkg.. .. .Doz. $4 00

No. 90/36. $4 00 doz.

90/36. 11 inch. Fancy costume, with pleated gauze over skirt and jacket trimmed with buttons and braid, beaver hat to match coat, with white ribbon bows and white edging, real shoes and stockings, each in box, ½ doz. assorted in pkg . Doz. $4 00

No. 90/38. $6.50 doz.

90 38. 13½ inches. Sleeping eyes. Four distinct kinds of fancy summer child costumes, Mother Hubbard and blouse styles, all lace trimmed muslin hats to match, colored stockings and shoes to match dresses, each in box, ¼ doz. assorted in pkg... Doz. $6 50

Jointed Dolls

Single Jointed

No. 292/5. 80c. doz.

No. 292/1. $1.30 doz.

No. 20. $1.70 doz.

292/5. Special Five Cent value, 4½ in., bisque head, glass eyes, rolled kid cloth sewed body, jointed at neck, shoulders and hips, paper shoes and stockings, lace trimmed shirt, 3 doz. in pkg.....Doz. $0 80

863 52 6 in., otherwise as 292/5, 2 doz. in pkg Doz. 90

292/1. 7½ in., bisque head, glass eyes, crimped flowing hair, lace neck shirt, 1 doz. in pkg.....Doz 1 30

292/2. As 292/1, but larger size, 9½ in. high, 1 doz. in pkg.....Doz. 1 70

292/3 M E As 292/1 but larger size, 8½ in. high and sleeping eyes, 1 doz. in pkg.....Doz 1 70

No. 292/4. $2.50 doz.

292/4. 11 in., good quality bisque head, glass eyes, painted lashes and brows, white muslin shirt with fancy neck and lace trimmed sleeves, painted shoes and stockings, 1 doz. in pkg.....Doz 2 50

Full Jointed

No. 234/101. $4.00 doz.

234/101. 12 in. fine bisque head, with mohair curls, painted brows and lashes, strong stout shape, patent body jointed at shoulder, elbow, hip, knee and neck, fancy chemise, naked limbs, ½ doz. in pkg.....Doz. 4 00

363 37. Similar to 234 101 but **sleeping eyes,** ½ doz. in pkg.....Doz. 4 00

234/104 M.E. 15 in., as 234 101, but larger size and **sleeping eyes,** ½ doz. in pkg Doz. 8 40

234 105 M.E. 17 in., otherwise as 234 104, **sleeping eyes,** ½ doz. in pkg .....Doz. 13 00

No. 234/106. $16.80 doz.

Large Size Jointed

234 106. 18 in., extra quality throughout, fine bisque head, with rich mohair curls, sleeping eyes, jointed at neck, shoulder, elbow, wrist, hip and knee, fancy muslin chemise, pleated and with wide lace collars and ribbon bows and girdle, shoes and openwork stockings, each in box Doz $16 80

234 107 As 234 106, but larger size 22 in. high each in box .Doz 24 00

"HANDWERCK" DOLLS

Double Jointed

Finest quality bisque head, sleeping eyes, parted lips, and pearly teeth, double sewn wig, with rich flowing mohair curls, jointed at neck, shoulder, elbow, wrist, hip and knee, real stockings and shoes, fancy chemise with lace trimmed yoke, neck and sleeves, all with sleeping eyes.

420/81. 20 in. each in box.....Doz. $26 40

As above, but finer quality and with extra long curls reaching to waist.

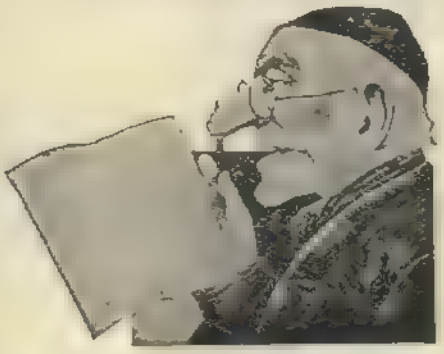
420/50.	20 in., each in box.....	Each	$3 30
420 51.	21½ in., each in box.	Each	4 30
420 52.	22 in., each in box.....	Each	4 00
420 56.	28 in., each in box.....	Each	7 50
420 58	30 in., each in box	Each	10 00
420/60.	33 in., each in box	Each	12 50
420/62.	36 in., each in box .....Each		20 00
420 63.	42 in., each in box	Each.	30 00

Nos 420 58 420 60 420 62 and 420 63 have silk stockings and satin shoes.

Mechancial Window Attractions

Finely Lithographed Subjects in Full Colors. All have Reliable Key-wind Clockwork Mechanism

252 11. **Laughing Boy** Moves head and eyes and points with right arm to space left for advertising. Runs about 4 hours. Size 15½ x 18 in. Each **$5.00**



252 8. **The Schoolmaster.** Figure moves chin and right hand with pencil, while in the left hand he holds a book with blank space for advertisement. Runs about 4 hours. Size 12½ x 15 in. Each **$6.00**

252 7. **Boy with Jointed Doll.** Runs about 3 hours. As boy lifts and drops the doll its arms and legs move in a quivering motion. Size 19½ x 18½ in. Each **$8.00**

No. 252/10. $5.00 each.

252/10. **The Contented Smoker.** Moves head from side to side, rolls eyes and moves fore fingers with expression of perfect contentment. Runs about 4 hours. Size 17 x 11½ in. Each **$6.00**

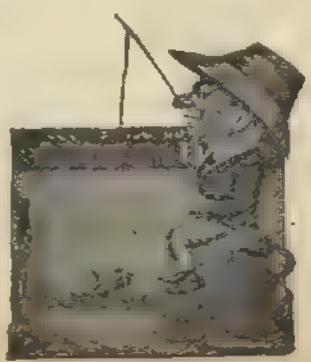
252/0. **Santa Claus.** Figure moves eyes and head from side to side. Runs about 10 hours. Size 18 x 12 in. Each **$6.00**

No. 252/0. $6.00 each

No. 252/9. $6.50 each.

252 9. **Two Nigger Boys.** Runs about 4 hours. Both figures with moving heads, one smoking cigarette. Size 13 x 15 in. Each **$6.50**

252 1. **Fisherman.** Keeps raising his line up and down as the "bites" come and talks away to himself. At last he straightens up quickly and pulls up his line and when he discovers he has hooked an old boot he throws back his head and laughs heartily. Keeps repeating the action without attention. Size 16 x 17 in. Each **$9.00**

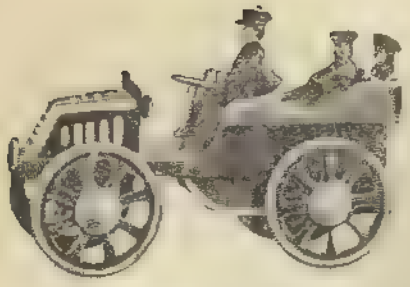


No. 252/1. $9.00 each

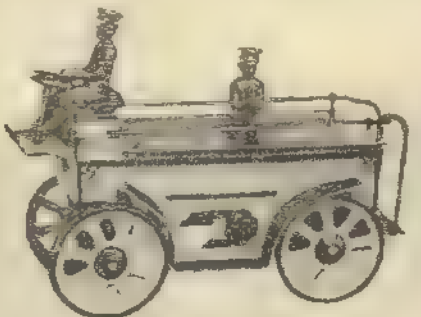
The Famous "Hill Climbers"

The Finest Friction Toys Made

1906 Line Sizes larger—Finish more attractive—Improved mechanism.



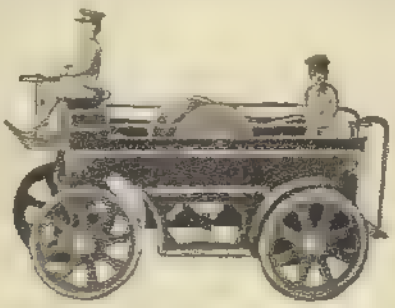
25 Auto Racer. Equipped with new internal gear propeller movement with steel pinion, can be run either backwards or forward or in a circle Size 9 x 6 x 4½ inches. Each packed in separate carton. ... .Doz. $12.00



20. Police Patrol. A popular design for boys new with us, modelled after the familiar open police vehicle commonly seen in large as well as small cities. Equipped with full friction movement Size 10 x 7¼ x 4 inches.....Doz. $12.00

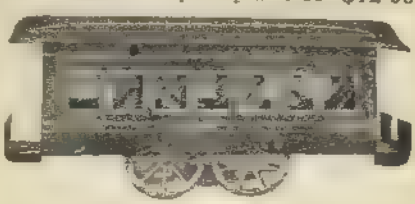
96. Auto Racer. An exact reproduction in miniature of the latest styles on the market, equipped with patent International Gear movement, and has the steel pinion which is guaranteed as serviceable and durable. May be run forward or backward. Contains painted chaffeur. Each packed in separate carton. ....Doz. $26.40

10. Auto. Modelled after one of the newest racing machines and a very fast runner itself. Brightly painted and carrying two neatly painted figures, the chaffeur and passenger. Equipped with full friction movement. Size 8 x 7½ inches. Each packed in separate carton. ....Doz. $12.00

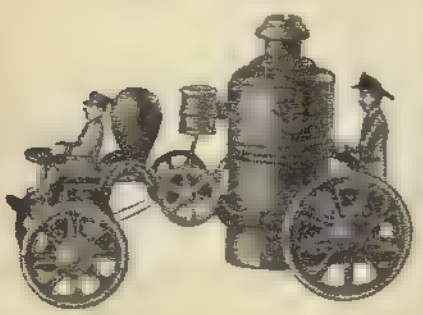


30. Fire Hose Wagon. This combination or hose wagon is a reproduction in miniature of the latest hose wagons used in the principal cities. Same has a reel adjusted so as to reel the hose automatically while the wagon is in motion. Brightly painted and contains two figures. Equipped with full friction power movement. Size 11 x 7½ x 4½ ins Doz $12 00

2. Auto. An entirely new model with handsome canopy patterned after the latest and most fashionable styles in automobiles. Equipped with full friction power movement. Contains painted chaffeur and passenger. Each in separate carton..... .....Doz. $26 40

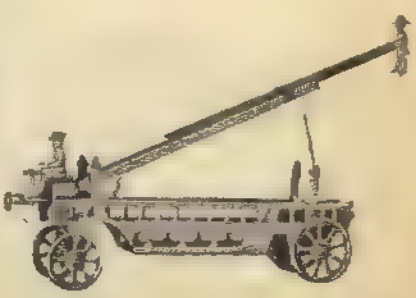


15. Passenger Car. Strongly made and attractively finished. It carries eight passengers, the forms being stamped out of the side of the car. It has coupling attachments. Equipped with full friction power movement. Size 13 x 6¼ x 4½ inches.. .Doz. $12.00



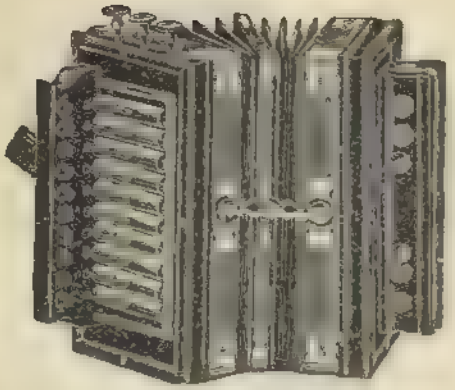
3. Fire Engine. Equipped with new internal gear-propellor movement, with steel pinion, and carrying an automatic gong which rings when toy is run either backward or forward or in a circle. Size 12 x 8 x 4½ inches. Each packed in separate carton.....Doz. $26.40

1. Locomotive. An exact representation of a large locomotive, has steel tender and cab, double action reversible piston rods and an automatic gong which rings when the engine is run either backward or forward. Size 18½ x 5 x 7 inches.....Doz. $26.40

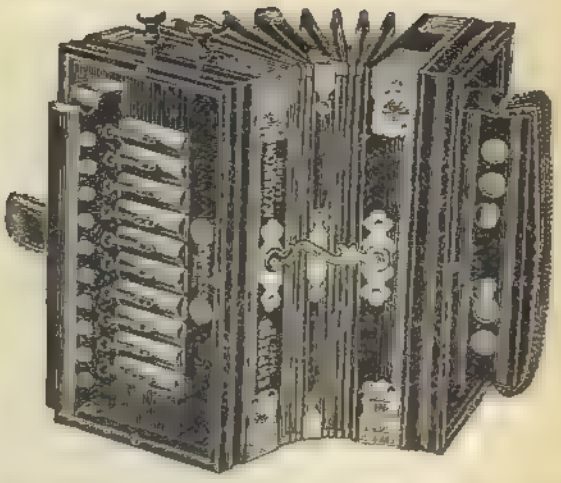


4. Auto. Hook and Ladder. Made entirely of steel with entirely new movement. New arrangement whereby extension ladder is raised and extended to supposed fire. Automatic gong and two painted firemen. Each packed in separate carton. . . . . Doz. $26.40

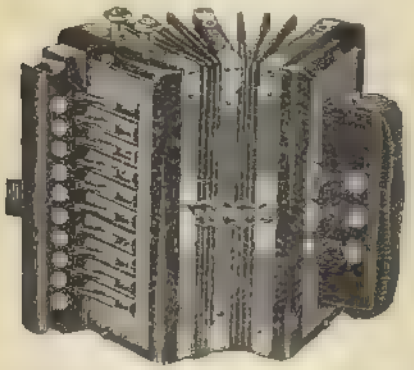
Accordions



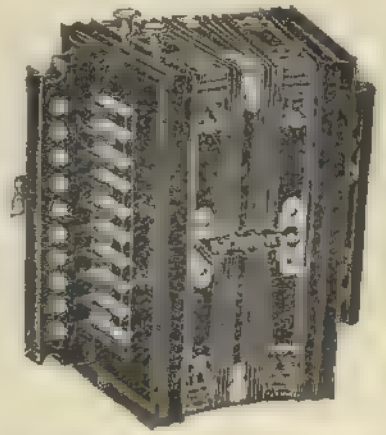
435 6. Pine Tree, med size, 10½ x 5½ in., polished black genuine Russian Alder wood features, double bellows, nickel valves, ten keys, three sets organ toned reeds, three stops, each in box ..... Each **$5.30**



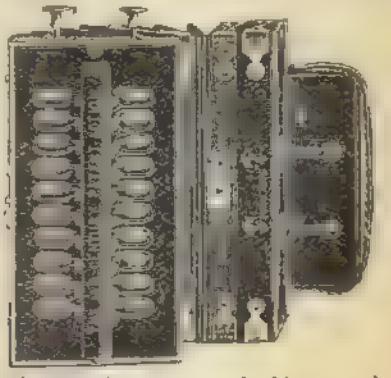
81 17. Empress, large size, 10 x 5½ in. Black polished frame, green and red bellows covering, nickel trimmings and nickel bellows corners, two sets extra broad reeds, ten keys, two basses and two stops, each in box ..... Each **$4.20**



500 10. "Imperial," Little Lord Fauntleroy, black polish case, silver moulding, double bellows, new patent clasp, two sets of broad reeds and two stops, each in box..... Each **$5.00**

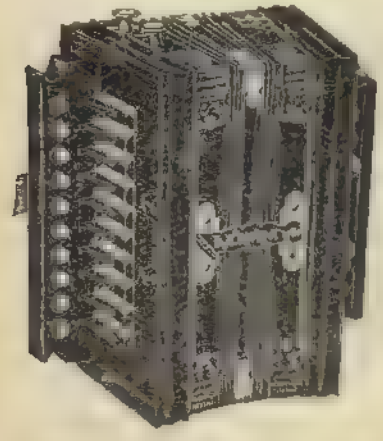


501 10. "Imperial," medium size, black polish case, double bellows, patent clasp, two sets reeds, two stops, two basses, each in box ..... Each **$5.50**

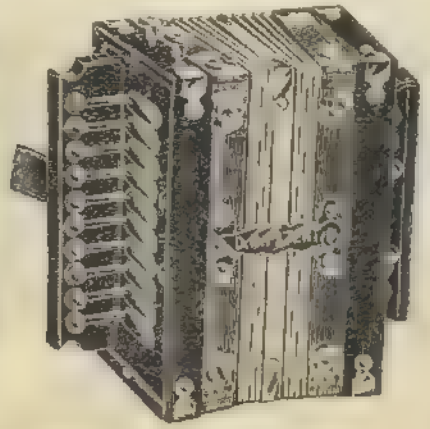


showing 20th century double action)

507 10. "Imperial," Little Lord Fauntleroy, size 8½ x 4½ in., ebonized case, nickel edged mouldings, patent double simplex keys, two sets extra broad reeds, the 20th century patent double action, each in box ..... Each **$5.50**



502B 10. "Imperial," medium size, 10¼ x 5½ in., ebonized case, black moulding, simplex action, leather cloth, double bellows, nickel corners, two sets extra broad reeds, two stops, each in box..... Each **$5.50**

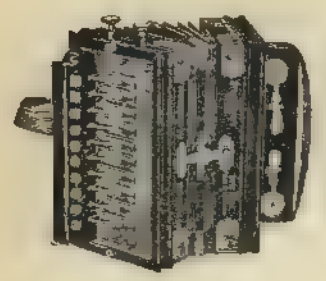


518 10 "Imperial," medium size, black polish case, nickel corner moulding, double bellows, patent clasp, new 20th Century patent double action, two stops, two basses, each in box ..... Each **$6.60**

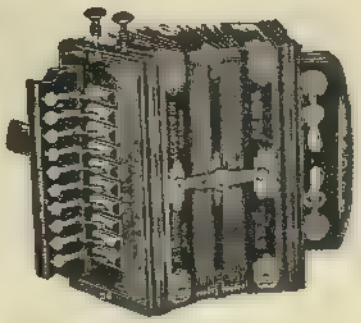
81 18. Italian Model, medium size, top 10¼ x 5½ in., mahogany finished frame and keyboard, with fancy open fretwork, fine cloth bellows with twelve folds and metal corner protections, fancy nickel trimmings and leather clasps, has ten pearl button keys and four basses. Details about top and bottom ..... Each **$6.50**

Where package quantity is mentioned we cannot supply smaller lots

Hohner Accordions



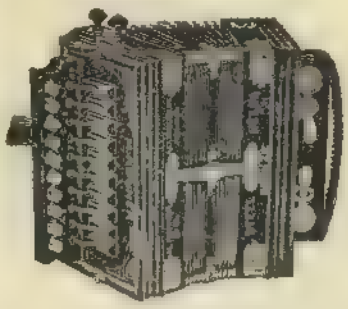
572. Top 5½ x 10¼ inches. Highly polished, colored moulding and top, double bellows, patent self-acting spring clasps, 10 button keys, 2 sets of reeds, 2 stops. ..... Each $4.40



522. Top 5¾ x 10⅝ inches. Dark mahogany top, ebonized moulding, open action, double bellows, corners and patent self acting spring clasps, nickel trimmings, 10 pearl keys, 2 sets of reeds, 2 stops. ..... Each $6.40

533. Top 6⅛ x 11⅛ inches. Mahogany moulding, ebonized top, 2 double bellows frames, patent bellows protectors, open action, corners and patent self-acting spring clasps, nickel trimmings, 10 button keys, 3 sets of reeds, 3 stops.... Each $9.60

512. Top 5¾ x 10⅝ inches. Colored top and moulding, open action, double bellows, patent bellows corners, self-acting spring clasps, 10 button keys, 2 sets of reeds, 2 stops ..... Each $5.60

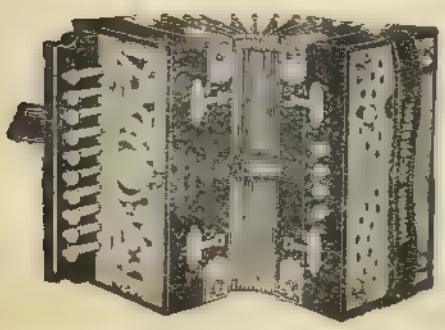


532. Top 6 x 11 inches. Mahogany moulding, ebonized top, double bellows, patent bellows protectors, open action, corners and patent self-acting spring clasps, nickel trimmings, 10 button keys 1 set of reeds, 2 stops ..... Each $7.20

534. Top 7¼ x 12½ inches. Mahogany moulding, ebonized top, 2 double bellows frames, patent bellows protectors, open action corners and patent self-acting spring clasps, nickel trimmings, 10 button keys, 1 sets of reeds, 1 stops Each $12.00

Hohner Italian Model Accordions

The finest instrument ever produced at the price



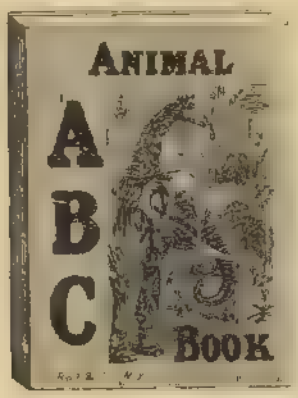
490 Top 5⅛ x 5¼ in. Ebonized frame and keyboard, imitation oak panels with fine fancy open fret work, extra fine leatherette bellows with 10 folds and brass protectors, fancy trimmings and leather clasps. Has 10 pearl button keys and 1 pearl button bass keys Each $9.00

493. Top 5¾ x 11 in. in size. The woodwork is highly polished with fine mahogany finish, panels are designed with open fret work, the bellows are very air tight and made of leatherette with 14 folds and brass protectors. It has fancy trimmings, leather clasp, 19 pearl buttons keys, 8 pearl button bass keys ..... Each $16.00

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Half-Bound Books

Full color lithographed and varnished board covers, cloth backs. All profusely illustrated.



10 Assortment, six kinds, Animal A B C, Sleeping Beauty, Old Mother Hubbard, Jack and Jill, Beauty and the Beast, and Little Red Riding Hood, each containing 16 pages, illustrated, 1 doz. assorted in pkg.....Doz. **$1.30**

Cinderella Series, six kinds, Sketches and Stories from Toyland, Christmas Rhymes and Jingles, Cosy Corner, Picture Book, Pleasant Stories, Rosebud Stories, and each containing 48 pages, 1 doz assorted in pkg..... Doz. **$1.80**

719. Children's Bible Stories, 3 titles, Wee Ones Bible Stories, Stories from Bible Lands, Little Peoples Bible Stories, each book has 34 pages, illustrated, 1 doz. in pkg .. Doz. **$2.40**

Palmer Cox Series, six kinds, all illustrated by Palmer Cox, titles are Boobs The Merry Old King, Brownies and the Farmer, Grandmother Mouses Tale, Cock Robin, Meddlesome Peter and Monkey Jaws, each containing 64 pages and colored frontispiece, ½ doz. assorted in pkg .....Doz. **$2.40**

Mother Goose Series, six titles assorted, Mother Goose, Story Book for Boys and Girls, Santa Claus A B C, Grandmas Old Old Fairy Tales, Kriss Kringle Merry Book and Fairyland Stories in Rhyme, each containing 132 pages profusely illustrated in full page black pictures, and with colored frontispiece, size 10 x 8 inches, a splendid twenty-five cent book, ½ doz. assorted in pkg. .....Doz. **$3.60**

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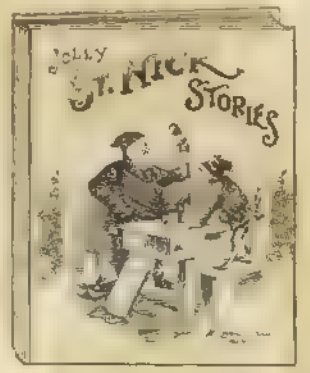
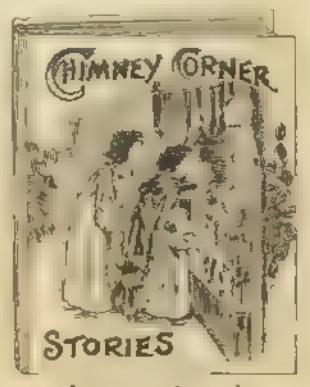


No. 091 97. Assorted.



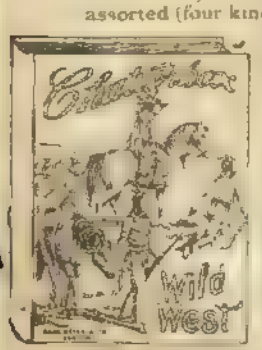
No. 091 97. Assorted.

No. 091 97. Assorted.

091 97 Assortment, special value twenty-five cent books, six kinds as illustrated in the assortment. Each book contains 150 pages with illustrations on every page, size 10¼ x 8½ inches, cover in full colors, ½ doz. assorted (six kinds) in pkg. .. Doz $4 20

091 96 Similar to above, but different titles, ½ doz. assorted (6 kinds) in pkg. .. " 4 20

091 98. Four kinds, Boys' Easy Word Story Book, The Easy Word Fairy Book, Easy to Read Story Book, Girls Easy Word Story Book. Large books for juvenile readers, all well illustrated with four full colored pictures, ½ doz assorted (four kinds) in pkg..... Doz 7 00



Chatterbox Assortment six kinds, Large quarto Picture books consist of stories and pictures from Chatterbox edited by Laurence H Francis; many of the pictures are wood engravings from drawings by Harrison Weir, the great English artist who is recognized by one of the best animal painters in the world; the stories are printed on fine tinted coated paper from large type and the matter is all copyrighted, illustrated covers from new and original designs, colored frontispiece in each volume, Chatterbox series, assorted packed.....Doz. $13 00

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Red Regal Series, Standard and Popular Works. 12 mos. An unrivalled series of the very best and very handsomest popular priced 12 mos ever produced. The judiciously selected titles are the best in literature, nearly 100 volumes of surpassing interest most of them admitted classics. The books are clearly printed from large type on a good quality of book paper, and are handsomely bound in vellum cloth, with a particularly artistic cover design printed in two colors of inks on front and back, with side titles and back letterings in gold. Sold only in assorted lots of 10 or more . . . . . Per 100 $25 50

19. **Young People's Cloth Library 16 mos.** An alluring series of clear, interesting and wholesome stories of imagination, adventure and history for young people's reading. Written by deservedly popular authors, and have long been recognized as classics for children. Printed from large type on good paper, and more lavishly illustrated with full page and text engravings than any other series ever produced. They are further beautified with exquisitely reproduced color frontispieces, and are so altogether attractive inside and outside that they leaped into instant favor, and have been phenomenal sellers. These books must be seen to be appreciated. Send for sample lot and see what big value they are for the money. Sold in assorted lots of 10 or more . . Per 100 25 00

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Ivory Series. Handy volume size. Bound and boxed in suitable style for presentation. Beautifully bound in ivory finished vellum with artistic embossed design and miniature picture panel, gold tops, full page frontispiece. Each book covered with transparent waxed paper and boxed in glazed covered box with en label. The series comprises a large number of classics and popular fiction. Sold assorted in lots of 10 or more . . . . . Per 100 $45.00

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No. 091/81. 90c. dozen.

091/80. Little Linen Series. 12 pages printed in black and red on strong linen, series contains "Apple Pie A B C," "Baby's Own A B C," "Little Learner's A B C," and "A B C of Animals," 2 doz. assorted in pkg..... Doz. $0 80

091/81. Pleasure Series. Two centre pages and covers in full color, eight pages black pictures and text. Four kinds: "Early Cares," "Up to Mischief," "Jolly Fishermen," and "Circus Friends," size 6 x 4¼ in., 2 doz. assorted in pkg..... Doz. 0 90

091 83. "Wild Animals," "Farmyard Favorites," "Domestic Animals" (3 kinds), each contains 10 pages, with pictures in black and colors, size 7¼ x 6 in., 1 doz. assorted in pkg..... Doz. 1 70

091/82. Red Riding Hood Series. Linen, six kinds, 10 pages, 6 of which are in colors. Titles: "Red Riding Hood," "Favorite Nursery Tales," "Rhymes and Jingles," "Pauline and the Matches," "Cinderella," and "Robinson Crusoe." 1 doz. assorted in pkg..... Doz. 1 80

No. 091/84. $1.80 doz.

No. 091/85. $2.50 doz.

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Shaped Books

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091 46. Topsy Series. Size 4 x 8¾ in., 10 pages, 4 of which are full page colored illustrations. Series includes "Topsy," "Dolly's Adventures," "The Last of the Mohicans," and "Dolly at the Seaside." 1 doz. in pkg..... Doz $0 90

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Containing colored pictures and outline pages opposite to be painted in by the copy

D7. 54c. doz.

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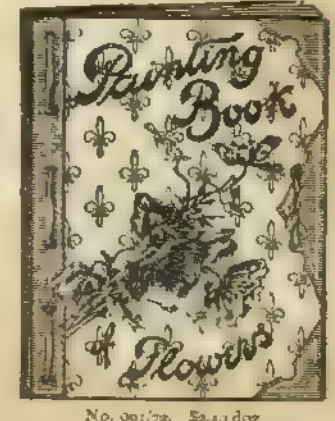
D7. Six Kinds, each containing 8 colored pages and 8 outline pages to paint, size 7 x 6 in., 2 doz. assorted in pkg..... Doz $0 54

091/71 Four Kinds. Size 5 x 7 in. These are very practical books and cover a lot of subjects, all in full colors. The covers are in full colors and gold, 1 doz. assorted in pkg..... Doz. 90

D8. $1.50 doz.



No. 091/72. $2.40 doz.

D8. Assorted, six kinds Painting Books, with colored pictures, and outline pictures to be painted, size 8 x 6 in., 1 doz. assorted in pkg..... Doz 1 50

091 72 Floral Painting Books, three kinds, size 8 x 10½ in. These books contain 24 pages printed on one side only and six colored plates. The covers are in full colors and gold and varnished, 1 doz. assorted in pkg..... Doz. 2 40

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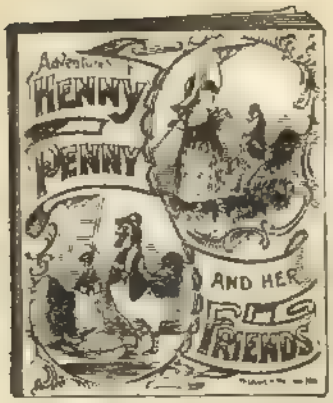

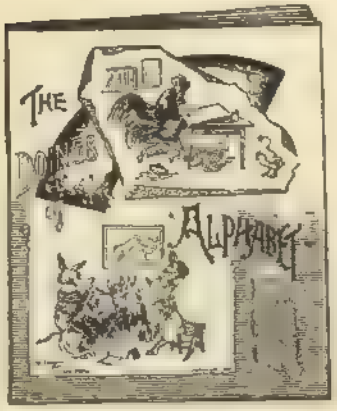

091'65. **Big Picture Series** size 9 x 10½ in., have fourteen pages six of which are in full colors. The covers are printed in full colors and gold, and varnished. The series contains **twelve popular titles** and one of each title is included in a 1 dozen package. 1 doz. assorted in pkg .... Doz. $2 40

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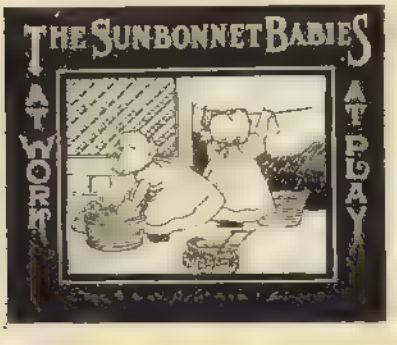
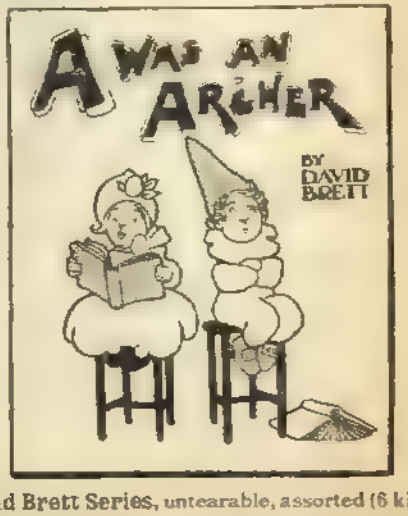
D16. **Bible Stories, untearable,** assorted (3 kinds), each contains four pages and covers in color, 10 pages in black pictures and text, size 12 x 9½ in., 1 doz. assorted in pkg .. Doz. $4 00



The Sunbonnet Babies at work and at play, illustration designed by B. L. Corbett, contains twelve pages with six full page color pictures and six half tone pictures, size 11¼ x 9½ in., 1 doz. in pkg.....Doz. $2 00



D23. **David Brett Series,** untearable, assorted (6 kinds), "A was an Archer," "Three Tiny Pigs," "Ten Little Niggers," "Cinderella," "Three Little Kittens," "Puss in Boots," 12 pages all in poster style colored illustrations designed by David Brett, size 12 x 9 in., ½ doz assorted (6 kinds) in pkg.....Doz. $4 00

Washable Dolls

No. 363/1. $1.60 dozen.

363/1. 9½ in. high, washable paste head with painted features, glass eyes, flowing hair, paste arms and legs, with painted shoes, hay stuffed body and assorted colored shirts, with lace collar, 1 doz. in pkg.. ....Doz. $0 84

363 8. As 363/1, but is 13 in., 1 doz. in pkg.....Doz. 1 60

403 7. As 363 1, but is 15 in., 1 doz. in pkg. Doz. 1 80

403 9. As 403 7 but is 16 in., 1 doz in pkg Doz. 2 50

403/11. As 403/9, but is 21 in., 1 doz in pkg Doz. 3 90

Large Size Leaders

No. 403/12. $4 00 dozen.

403/12. 24 in., Special Twenty-five Cent value. Has large paste head, with well painted face, eyelashes and brows, best quality glass eyes, flowing hair, stout paste arms and legs with embossed and painted shoes and stockings, white linen shirt with fancy lace trimmed yoke and collar, is well proportioned throughout, and is not to be compared with the unproportionately stretched model often offered in this line, ½ doz. in pkg. .. . .Doz. 1 00

403 13. 27 in., as above, good value for fifty cent line, ½ doz. in pkg . . . ..Doz. 6 50

403 14. 29 in., stouter shape, ½ doz. in pkg Doz. 8 40

403/15. 32 in., stout shape, ½ doz. in pkg.....Doz. 12 00

Fine Paste Dolls

No. 96/130. $16 80 dozen.

96/130. 22 inch long, finest quality paste head, with painted eyelashes and brows, best quality glass eyes, and rich mohair curls, has paste arms and legs and real stockings and shoes, white cotton body stuffed with excelsior, assorted fancy muslin chemises, pleated and trimmed with lace and ribbon, ½ doz. in pkg .....Doz. $ 8 40

96 131. 26 inches, as above, ½ doz. in pkg ..Doz 12 00

96/132. 28 inches, as above, each in box. .. Doz. 16 80

96 133. As above, but 30 in long, each in box..... Doz. 24 00

Perambulator Dolls

96/121M.E. 12 in., best quality paste head, with baby features, sleeping eyes, mohair curls, hair stuffed cloth body with perambulator seat, fancy muslin chemise trimmed with lace and ribbon, real shoes and stockings, ½ doz. in box. ....Doz. 4 00

96/127M.E. 17 inch, as above, ½ doz. in pkg.....Doz. 8 00

96 129½ M.E. 21 inch, as above, each in box Doz. 16 80

403/41. 11½ inch, best quality paste head, with baby features, mohair curls, cloth body, fancy lace trimmed shirt in assorted colors, ribbons and hood to match, painted shoes and stockings, 1 doz. in pkg..... .....Doz. 2 50

156/563. 12 in., sleeping eyes, otherwise as above, ½ doz in pkg. Doz 4 00

96 177. 17 inch, sleeping eyes, as above, ½ doz. in pkg .Doz. 8 00

Kid Body Dolls

STEADY EYES

No. 96/101.

96/7. 12½ in., bisque head, glass eyes, flowing hair, painted eyebrows, parted lips, showing teeth, good quality kid body with kid extending over shoulders, cut joints, real openwork stockings and real shoes, 1 doz. in pkg.... .....Doz. $4 00

558/1. Special 25c. Leader. flowing curly hair, as above but is 13½ in., 1 doz. in pkg. .. ..Doz. 4 50

96/101. 17 in., as above, ½ doz. in pkg .....Doz. 8 40

96/16. As above, but is 19 in., ½ doz. in pkg.....Doz. 12 50

SLEEPING EYES

The following are same quality as the above, but have Sleeping Eyes.

96/9. Flowing hair, height 12 in., 1 doz. in pkg .Doz. $4 50

558/100. Flowing curly hair, height 17½ in., ½ doz. in pkg.....Doz. 9 00

96 17. Flowing curly hair, height 19½ in., ½ doz. in pkg. .....Doz. 13 00

558 18. Flowing curly hair, height 21 in., each in pkg .....Doz. 16 80

METAL RIVET HIP AND KNEE JOINT

Moving Eyes

No. 558/41.

558/41. 14 in., bisque head, Moving Glass Eyes, flowing curly hair, and lips parted showing teeth, kid extends up over shoulders, metal rivet hip joints and knee joints, has painted lashes and brows and real shoes and stockings, ½ doz. in pkg... ...Doz. $8 00

558/42. As above, but 16 in., ½ doz. in pkg... .....Doz. 9 00

234/43. As above, but is 17 in., ½ doz. in pkg..... .... Doz. 13 00

96/44. As above, but is 19 in., and stouter shape, each in pkg...Doz. 16 80

558 45½. As above, but is 21½ ins., each in box... Doz. 26 40

EXTRA FINE QUALITY

Metal Joints at hip, knees, shoulders and elbow. Fine quality paste legs

No. 99/66. $13.00 doz.

96/65. 12½ in. fine quality kid body with metal rivet joints at hip, knee, shoulder and elbow. Extra fine quality bisque head with sleeping eyes and rich Mohair curls, paste legs with short silk stockingsandsatinshoes, ½ doz. in pkg.....Doz. $9 00

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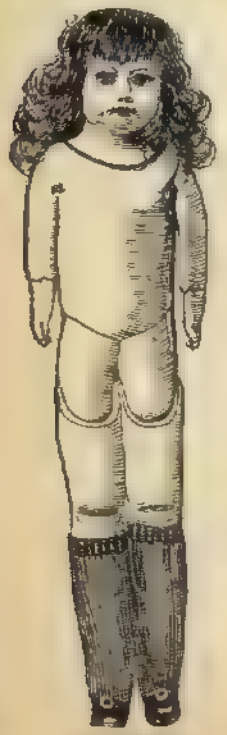
96/67. As above, but 15 inches high, each in box ... . Doz. 16 80

96/69. As above, but 19 inches high, each in box . ... .. Doz. 32 00



No. 99/23M.E.

METAL RIVET HIP JOINTS

Sleeping Eyes

234/19. 12½ in., bisque head, flowing curly hair, glass eyes and painted lashes and brows, metal rivet joint at hip and cut knees, real shoes and openwork, stockings, 1 doz. in pkg. .....Doz. $4 50

234/21M.E. 14 in., as 234/19, but sleeping eyes and curly hair, ½ doz. in pkg ...Doz. 8 40

96/23M.E. As 234/21M.E., but is 18 in., high, ½ doz. in pkg .....Doz. 12 50

558/25M.E. As 234/21M.E., but 20 in. high, each in a box . . ..Doz. 16 80

Kindergarten Games

12/173. Drawing and Painting Set. Consisting of four colored model pictures with spaced blanks for copying, six water colors, brush and crayon, each in fancy cardboard box 9 x 6¾ inches, with colored lithographed picture on cover, 1 doz. in pkg. . .Doz. $1 00

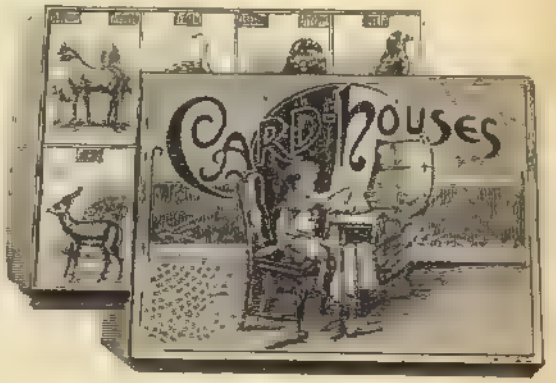
12 174. Stencil and Painting Outfit. Containing six colored copy pictures with blanks, three stencil copies, eight water colors and brush, each set in large size lithographed box 12 x 9 inches ½ doz. in pkg. . Doz. $3 00

250 39 Four kinds assorted. "Sewing and Embroidering," "Word Builder," "Drawing and Painting," "Weaving and Paper Plaiting." Each set with colored designs, blanks and working materials. Each in cardboard box 10½ x 8 inches with fancy lithographed cover, ½ doz. assorted in pkg. . . . Doz. $4 00

250 40 Assorted Three kinds, similar to 250 39 but larger and with more elaborate fittings. Each set in cardboard box, 11¼ x 11 inches, ¼ doz. assorted in pkg. . . . . Doz. 7 50

250/38. Ball Mosaics. Good quality colored china balls, with twelve colored cards of design, each set in lithographed cardboard box, size 11 x 8 inches, ½ doz. in pkg. . . . . Doz. $1 00

250 41. Similar to 250/38 but better quality balls and board, twelve design cards, each in handsomely lithographed box 12 x 8½ inches, ¼ doz. in pkg. . . . . Doz 7 50



250 43. Alphabetical and Zoological Card Houses. Cards lithographed in colors with pictures of animals, birds, etc., with letter of alphabet on back, cards especially shaped for this purpose, full directions and designs for building on inside of cover. Each set in box 11 x 8½ inches, ¼ doz. in pkg. . . . Doz $8 00

Where package quantity is mentioned we cannot supply smaller lots

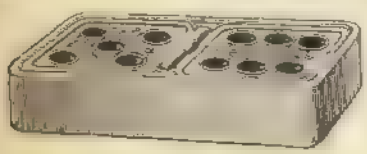
Dominoes

12 56. White wood, black spots, cardboard box, 1 doz. in pkg..Doz. sets $0.80

No. 12,135. $1.60 doz.

"Imperial" Dominion. black embossed, white spots, in cardboard box, ½ doz. in pkg . . . Doz sets $1.50

12 135 Black embossed, white spots, embossed cardboard box 1 doz. in pkg . . . . . .Doz. sets $1 60



"Quarter" Dominion. White, embossed, red spots, cardboard box... . . . . Doz. sets $1.50

12 93½ **Large size,** 2 x 1½ inches, black embossed, with white enamelled spots 1 doz. in pkg . . . .Doz. $2 40

Crown, Dominion. Black, embossed, white spots, wood box, ½ doz in pkg . . . . . Doz sets $3.60

12 136 Black, embossed, white spots, fancy imitation alligator box, ½ doz in pkg . . . . . .Doz sets $4.00

Celluloid Mounted

12,152. White celluloid, with black spots and brass nails, black wood back, put up in wood box with sliding cover, ½ doz. in pkg. . . . . .Doz. sets $8.00

Bone Mounted

393/132. Full size, white bone surface, riveted on black wood base, put up as above, ½ doz in pkg . Doz sets $7.20

393 133. Large size, white bone, riveted on black wood, put up in hardwood sliding cover box, ½ doz. in pkg.. . . . . .Doz. sets $12 00

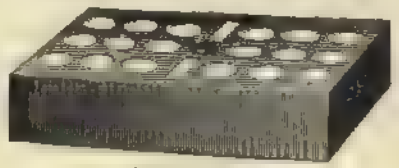
393/134. Large size, white bone, riveted on black wood, stubby shape, heavy, put up in polished box with sliding cover, ½ doz. in pkg.. Doz sets $18.00

393/135. Large size, and bottom is bevelled, white bone riveted on black wood, polished wood box, sliding cover, each in pkg. . . . . .Doz. sets $24.00

Armour Clad

Black, embossed, faced with aluminum satin finish, and black enamelled spots, lower side has warship design, embossed in relief, put up in strong paper covered wooden box, handsomely lithographed, ½ doz. in pkg. . . . . .Doz. $8.00

Double-Nine Dominoes



12 94 Black $1.00 dozen sets.

12 94. Black, white spots, in fancy paper covered wood box, ½ doz. in pkg.. . . . . Doz. sets $4.00

"Express," black, white spots, with embossed panel on reverse side of locomotive, all in strong pasteboard box, with lithographed cover, having picture of express train, ½ doz. in pkg..Doz. $4.00

12/83½. **Black,** embossed, white spots, paper covered wood box..Doz. sets $8.40

Checker Men

1½ inch "Star."

99 242. 1 in., 24 piece set, in cardboard box, lithographed top, 1 doz. in pkg . . . . . .Doz. sets $0.70

"Star," 1 in., set of 24 pieces, in paper box . . . . . .Doz. sets $0.80

"Star," 1¼ in., set of 30 pieces, in paper box . . . . . .Doz. sets $0 90

"Star," 1½ in., set of 30 pieces, in paper box . . . . . .Doz. sets $1.20

"Corona," 1¼ in., set of 30 pieces in paper box, 1 doz. in pkg..Doz. sets $1.60

Polished, in wood box, with sliding cover, 1½ in., ½ doz. in pkg. . . . . .Doz. sets $2.40

Chess Men

Boxwood, Natural and Ebony finish, in White Wood Boxes with Sliding Covers

393/136. Height of largest piece 2 in., ½ doz. in pkg. . . . . .Doz. sets $4.00

393 137. Height of largest piece 2½ in., ½ doz. in pkg. . . . . .Doz. sets $5.00

393/138. Height of largest piece 3 in., ½ doz. in pkg... Doz. sets $7.00

STAUNTON PATTERN. Following are in Hardwood Boxes and are better finish

393/142. Height of largest piece 2¾ in., ½ doz. in pkg. . . . .Doz. sets $12.00

Cut Glass

No. D29/9½ $9.60 doz.

No. 0120/57 $12.00 doz.

D29 9½. Tumbler, straight shape, 9 oz. capacity, cut strawberry and fan cut, star bottom . . Doz $ 9.60

0120 57. Tumbler, heavy weight, taper shape, 10 oz. capacity, strawberry and fan cut, hollow ground bottom . . . . . Doz. 12 00

No. 0120/61. $13.00 doz.

No. 0120/6.. $22.80 doz.

0120 61. Custard Cup, 2¾ inch diameter, strawberry and fan cut, star bottom. . . . . Doz. $13.00

0120/60. Finger Bowl, 5 inch, strawberry and fan cut star bottom. Doz 22.80

No. 0120/58 $3.50 each

No. 0120/69 $6.90 each

0120 58. Tankard Jug, 8½ inches high, 54 oz capacity, strawberry and fan cut . . . . Each $3.50

496 54 As 0120 58, but with cut star bottom. . . " 4.50

0120 69 Water Bottle, 9 inches high, strawberry and fan cut, cut octagon neck and star bottom . . . . . Each 6.50

No. 0120 51 $8.40 doz.

No. 0120/50. $26.40 doz.

0120 51. Tumbler, cut sunburst stars, and cut star bottom, 10 oz. capacity. . . . . Doz. $ 8.40

0120/50. Tankard Water Jug, cut sunburst stars, and cut star bottom, height 8½ inches . . Doz. 26.40

"King Edward" Crystal Ware

"King Edward" Crystal Ware The very richest that can be produced in a light weight Fine Glass Table Suite. Finest crystal with thin melted edges, diagonal cut band and very rich needle etched drop lace pattern. Decanter and claret jug have star cut bottom, cut necks and stoppers. Sold in complete suites or open stock in any quantity.

Claret	Doz.	$8.00
Port	"	6.50
Champagne	"	11.50
Sherry	"	6.50
Liquer		6.00
Tumbler	"	7.00
Decanter, pint	Each	5.50
Decanter, quart	"	5.00
Claret Jug	"	6.50

Decorated Bohemian Vases

No. 133 51. 70c. doz. No. 133 50. 80c doz. No. 133 49. 80c doz

133 51. Hollow blown body, assorted ruby and green, fern spray in white, height 6 inches, 1 doz. in pkg. ..... Doz. $0 70

133 50. Heavy blown flower tubes, straight shape, assorted purple and green, with flower decorations in colors and gold. Height 6 inches, 1 doz assorted in pkg. ..... Doz. 80

133 49. Heavy crystal flower tubes, assorted crystal optic, crystal spiral and frosted tint, all with flower decoration in colors and gold. Height 6½ inches, 1 doz. assorted, three kinds, in pkg. ..... Doz. 80

No. 133 47.

133 47 **Extra Special** Hollow blown, assorted, ruby and green, with assorted flower decorations on white frosted centre. Height 7 inches, 1 doz. assorted in pkg. ..... Doz. 84

133 35. **Silver Body** with two gold bands, flower decorations in colors. Height 6 inches, ⅙ doz. in pkg. ..... Doz. 1 50

133 46. As 133 35 but height 7 inches, has floral decorations in white, ⅙ doz. in pkg ..... Doz. 1 80

Silver Glass Candlesticks

No. 133/31. 80c doz. No. 133 32. $1.60 doz. No. 133 33. $2 80 doz

133 31. Silver Body with white flower decoration, height 5 inches, 1 doz. in pkg. ..... Doz. 80

133 32. As above but height 8 inches, ½ doz. in pkg. ..... Doz. 1 60

133 33. As above but height 7 inches, ½ doz. in pkg ..... Doz. $1 80

133 34 As above, height 8 inches, 1/6 doz. in pkg., Doz. 2 40

133 41. As above, height 9 inches, 1/6 doz. in pkg., Doz. 2 80

No. 231 184. $1.70 doz. No. 231 185. $2.40 doz No. 231 186. $3.00 doz

The following are assorted colors—light green, dark green, blue and amber:

231 184. Height 9 inches, two shapes and decorations, in gold and colors, and assorted colored transparent bodies, ½ doz in pkg. ..... Doz. $1 70

231 185. Height 10 inches, two shapes and decorations, in gold and colors, and assorted colored transparent bodies, ½ doz. in pkg. ..... Doz 2 40

231/186. Height 11½ inches, two shapes and decorations, in gold and colors, and assorted colored transparent bodies, 1/6 doz. in pkg... Doz. 4 00

No. 133/21. $3.00 doz. No. 133/22. $4.00 doz. No. 133/23. $4 80 doz

133 21 **Opal Body, Assorted**, pink, blue and green shaded, running to white, gold stripes at neck and base, very showy decoration in colors and gold, height 8½ inches, ½ doz. assorted in pkg. .. Doz. $3 00

133/22. As above, height 9½ in., ½ doz. in pkg. Doz. 4 00

133 23. As above, height 10½ in., 1/8 doz. in pkg. Doz. 4 80

133 24. As above, height 11½ in., 1/6 doz. in pkg. Doz. 6 50

133/25. As above, height 12½ in., 1/6 doz. in pkg. Doz. 8 40

Popular Price Perfumes

No. 620 70c. doz.

No. 3/24. $1.50 doz.

620/1. Half ounce bottle, 3 inches high, printed label "Eau de Cologne," double, 1 doz. in display box....Doz. $0 70

3/24. Quarter ounce, fancy shape bottles, assorted odors with gold embossed labels, 2 doz. assorted on picture display card.....Doz. 1 50

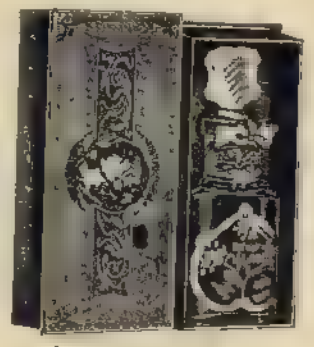
No. 620/4. $1 60 doz.

No. 620/5. $2.40 doz.

620/4. One and one half ounce round bottle, **sprinker top**, fancy labels in colors and gold, tied with silk tassels, ½ doz. ass'td. odors in display box..Doz. $1 60

620/5. One ounce bottles, 3¼ inches high, glass stopper, kid capped and sealed, assorted odors and fancy labels, ¼ doz. assorted in fancy display box....Doz. 2 40

No. 0104/3. $2.50 doz

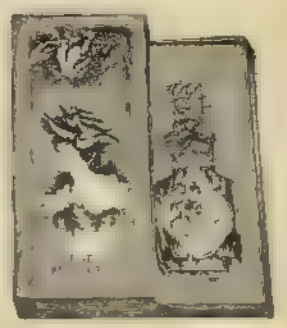


No. 621/2. $3.30 doz

0104/3. Three-quarter ounce bottle, 3 inches high, assorted odors, each in fancy individual box, with lithographed top, ½ doz. in pkg.....Doz. $2 50

621/2. **Gustav Boehm's** one ounce bottle, 3 inches high, silk cap and gold cord tie, fancy labels, assorted odors, each in fancy box.....Doz. 3 30

No. 621/3. $4.00 doz.



No. 0104/4. $4.00 doz.

621/3. **Gustav Boehm's**, one ounce bottle, 3¾ in. high, assorted odors, **sprinkler top**, tied with ribbon bow, fancy label on neckband, manufacturer's trade mark label on back, each in fancy individual box, ½ doz. in pkg.....Doz. $4 00

0104/4. **Raymond's**, half ounce fancy bottle, fancy glass stopper, tied with ribbon, assorted odors, each in fancy individual box, ½ doz. assorted odors in pkg.....Doz. 4 00

No. 621/12. $4.50 doz. boxes.

No. 0104/10. $9.60 per assortment.

621/12. **Gustav Boehm's** twin box, fancy shape, one and one-half ounce glass stopper bottles with neck ribbon and fancy labels, two odors in fancy box.....Doz. boxes $4 50

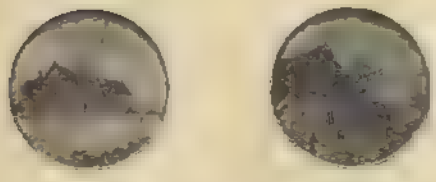
0104/10. **"Broadway" Show Case Assortment**, consists of nickel frame glass case, size 10¼ x 6½ x 3¾ inches and two dozen Pierre's Perfume in assorted odors to retail at thirty-five cents a bottle, price of case and two dozen perfume.....Each 9 60

0104/7. **Dumont Freres**, two ounce fancy swell shape bottle, 4 inches high, fancy glass stopper, fine quality triple extract odors, each in large fancy box, ½ doz. assorted odors in pkg.....Doz $8 40

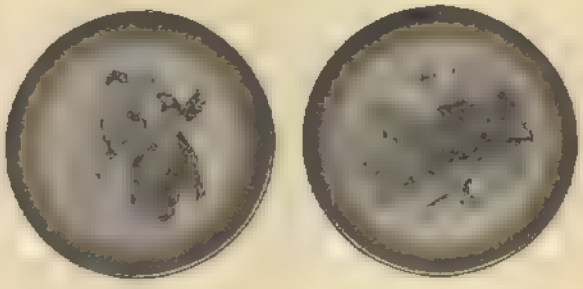
Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Lithographed Glass Placques

All have Gilt Metal Rims and Double Chain Hangers



7/1. Round shape, 4¾ inch diameter, assorted landscapes, three kinds, 1 doz. assorted in pkg ..Doz. $0 80



7/4. Round shape, 7¾ inch diameter, assorted six kinds, heads, double figure pictures and landscapes, tinted borders in assorted colors, 1 doz. assorted in pkg ..... .Doz. $1 60

7/26. Round shape, 9 inch diameter, assorted six kinds, heads, landscapes and water scenes, assorted maroon and green shaded borders, 1 doz. assorted in pkg... .....Doz. 2 40

136/368. Oval shape, 12 x 10 inches, assorted landscape pictures on white mat, ½ doz. assorted in pkg.. .....Doz. 3 30

7/14. Round shape, 12½ inch diameter, assorted six kinds, heads and landscapes, with tinsel decoration in parts maroon shaded border, ½ doz. assorted in pkg..... . .Doz. 4 00

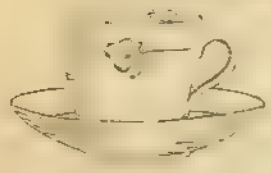
7 42. Round shape, 12 inch diameter, assorted three kinds landscapes full size of placque, pearl ornamentation in parts, ½ doz. assorted in pkg...Doz. 4 00

Where package quantity is mentioned we cannot supply smaller lot

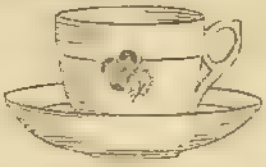
English China Tea Ware

In Staple Patterns

Gold Edge, Line and Sprig



No. 415/1. $2.00 dozen.



No. 415/2. $2.00 dozen.

415 1 "Paris" Shape, Tea Cup and Saucer Doz. $2 00
415 2. "Minton" Shape, Tea Cup and Saucer Doz 2 00
415 4 "Paris" Shape, Irish size, Cup and Saucer Doz 2 50
415 5 "Minton" Shape, Irish size, Cup and Saucer Doz 2 50

415 6. Tea Plate (called 6 inch) actual diameter 7 inches Doz $1 60
415/7. Cake Plate, diameter 9¼ inches Doz. 3 40
415 8. Slop Bowl, diameter 5¾ inches Doz. 3 40
415 9 Cream Jug, height 4¼ inches Doz 3 40

Pink Band and 3 Gold Lines

No. 415/11. $2.20 dozen.

No. 415/12. $2.20 dozen.

415 11 "Paris" Shape Tea Cup and Saucer Doz $2 20
415 12 "Minton" Shape Tea Cup and Saucer " 2 20
415 14 "Paris" Shape, Irish Size, Cup and Saucer " 2 80
415 15 "Minton" Shape Irish Size, Cup and Saucer Doz 2 80

415 16 Tea Plate (called 6 inch) actual diameter 7 inches Doz. $1 80
415/17 Cake Plate, 9¼ inches " 3 60
415 18—Slop Bowl, diameter 5¾ inches " 3 60
415/19—Cream Jug, height 4¼ inches, band and lines in centre, gold edge and gold line handle Doz. 3 60

Matt Blue Willow Underglaze

No. 415/32. $2.80 dozen.

No. 415/33. $2.80 dozen.

415 32. "Minton" Shape, Tea Cup and Saucer. Doz. $2 80
415 35 "Minton" Shape, Irish size, Cup and Saucer Doz 3 60
415 33. "Wooster" Shape Tea Cup and Saucer, Doz. 3 00

No. 415/36. Tea Plate, $2.40 dozen.

415 43. B. & B. Plate (called 5-inch), actual diameter from edge to edge 6 inches Doz. $1 60
415 36. Tea Plate (called 6-inch) actual diameter from edge to edge 7 inches Doz. 2 40
415 37 Cake Plate, diameter 9¼ inches Doz. 1 50
415 38 Slop Bowl, diameter 5¾ inches Doz. 4 50
415 39. Cream Jug, height 5 inches Doz. 4 50

Celeste Band and 3 Gold Lines

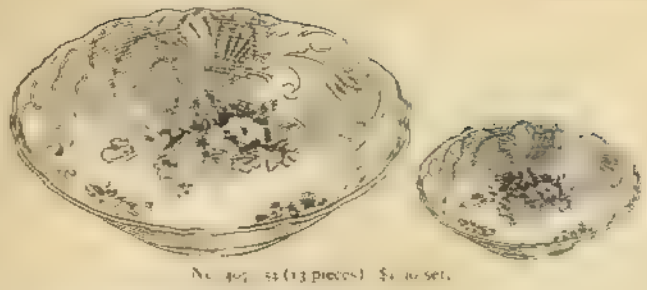
No. 415/21. $2.20 dozen.

No. 415/22. $2.20 dozen.

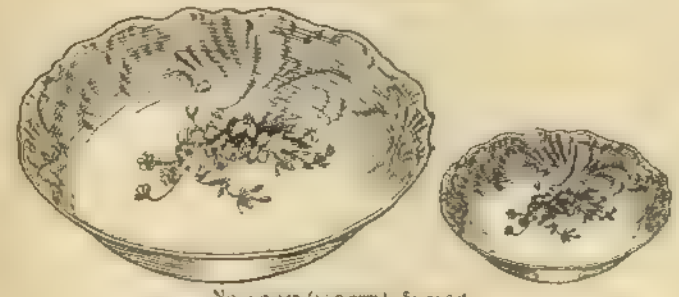
415 21 "Paris" Shape Tea Cup and Saucer... Doz. $2 20
415 22—"Minton" Shape Tea Cup and Saucer.. " 2 20
415,24—"Paris" Shape, Irish Size, Cup and Saucer Doz. 2 80
415/25—"Minton" Shape, Irish Size, Cup and Saucer Doz. 2 80

415 26 Tea Plate, (called 6 inch) actual diameter 7 inches Doz. $1 80
415 27 Cake Plate, 9¼ inches " 3 60
415 28 Slop Bowl, diameter 5¾ inches " 3 60
415 29 Cream Jug height 4½ inches, band and lines in centre, gold edge and gold line handle Doz 3 60

Trade Discount on all Prices in this Catalogue. Terms: 5 30 Days

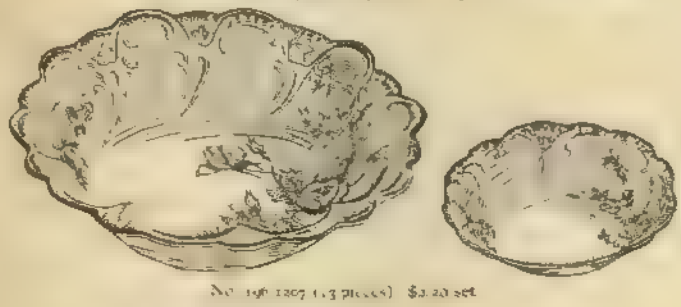


No. 407 154 (13 pieces) $1.30 set.

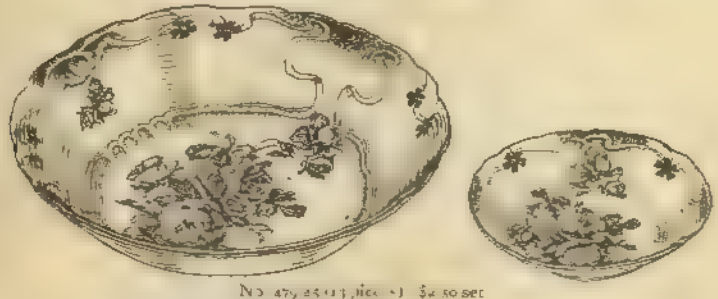


No. 407 155 (13 pieces) $1.30 set

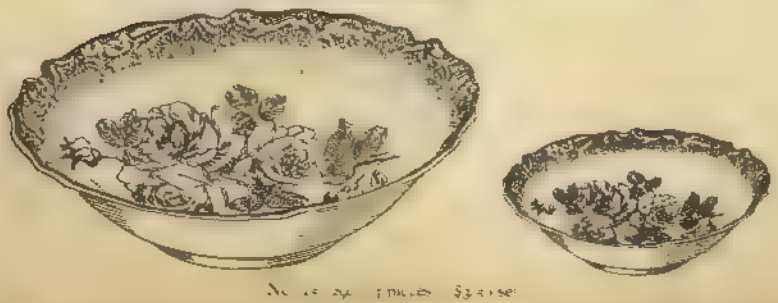
No. 407 156 (13 pieces) $1.50 set



No. 196 1207 (13 pieces) $2.20 set



No. 479 45 (13 pieces) $2.50 set



No. 152 290 (13 pieces) $3.50 set

China Fruit Sets

All 13-piece Sets

407/154—Bowl 8¼ inches, nappies 4¾ inches, embossed rims and gold line edges, one large cluster and two sprays of purple flowers on bowl, one cluster on nappy, each set in pkg..... Per set $1 30

407/155—Similar to above, but edges have clouds of gold in parts, flower decoration of red and white wild flowers, each set in pkg....Per set 1 30

407/10—Full size, 9 inch bowl and 12 5½ inch nappies, embossed rims and gold line edges, flower decoration of dainty pink roses, one large cluster and two sprays on bowl and one large cluster and spray on nappies, each set in pkg.....Per set 1 50

407/157—Similar to above, but purple flower decoration in large spray as shown in cut, each set in pkg..... .....Per set 1 50

407/158—Bowl 9 inches, nappies 5½ inches in diameter, embossed rim and gold line edge, one large and one small spray of pink roses, each set in pkg.....Per set 1 50

196/1207—Fancy scalloped shape, beaded embossing on rim and heavy brush gold on edge, purple wild flower decoration, bowl 9 inches, nappies 5¼ inches diameter, each set in pkg..... .....Per set 2 20

196/1210—Same as 196/1207, but violet flower decoration, each set in pkg. .....Per set 2 30

479/45—Bowl 9¼ inches, nappies 5¼ inches diameter, two color tints and flower design in gold on embossed rim with gold edge, one large and one small spray of red and cream roses, each set in pkg.....Per set 2 50

152/290—Heavy Klondyke Gold Border, embossed edge, flower decoration of large pink roses, each set in pkg.....Per set 3 50

Mechanical Toys

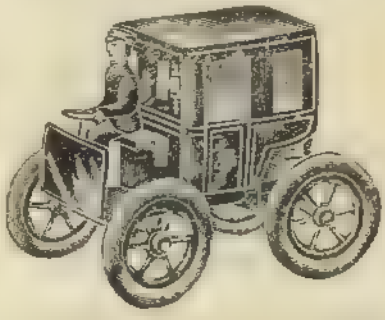
101/32. Auto, a splendid clockwork toy or the money. Runs in good large circle, size 4 x 3½ inches, ½ doz. in pkg. ...Doz. **$2.40**

99/610 Cat, can be made to run straight or in circle, size 6 x 4½ inches, ½ doz. in pkg .. Doz. **$3.30**

101/4. "Zig Zag" Automobile, is on the same working principle as the Zig Zag Tricycle. The Naughty Boy is jerking the steering bar and causing all the trouble. Size 5 inches long by 4¼ inches high, each in box.....Doz. **$3.80**

99/518. Assorted, 2 kinds, Rooster and Goose. Can be run in straight course or in circle, size 5 x 4 inches, 1 dozen assorted in pkg.....Doz. **$2.50**

99/612. Assorted, dog, camel and pig, all with riders and revolving wheel, all painted in bright colors. Can be made to run in straight course or in circle, size 6 x 4½ inches, ½ doz. assorted in pkg. .....Doz. **$3.70**



237/1633. Automobiles, two kinds assorted, one with stairway at back and observation deck on top, both photographed in colors. Runs in circle, size 5 x 3½ inches, ½ doz. assorted in pkg.. .....Doz. **$3.80**

99/501. Assorted, two kinds performing dog and horse running around, trainer on platform, painted in colors, ½ doz. assorted in pkg. . Doz. **$3.20**

101/2. Motor Tricycle, in main seat is figure waving high hat and in back seat is colored servant with revolving umbrella, size 5 x 4½ inches, each in box, Doz. **$3.80**

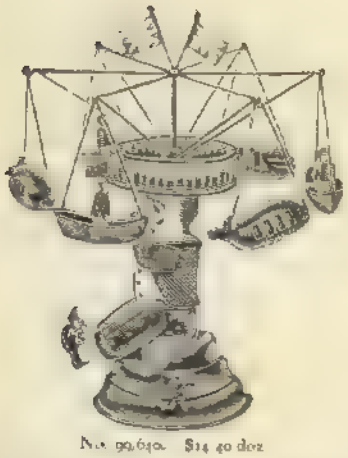
99/624. Circus Horse, in upright post on with walking motion, height 8 inches, ½ doz. in pkg .. Doz. **$4.00**

237/1625. Clockwork Mouse, a fur covered life size mouse, moving legs, so realistic in its movements that you think it alive. Each in box .. .. Doz. **$3.60**

99/611. Rabbit, with moving legs, giving a good running motion. Size 6½ x 4½ inches, ½ doz. in pkg. ...Doz. **$4.00**

Merry-Go-Rounds

(Mechanical)

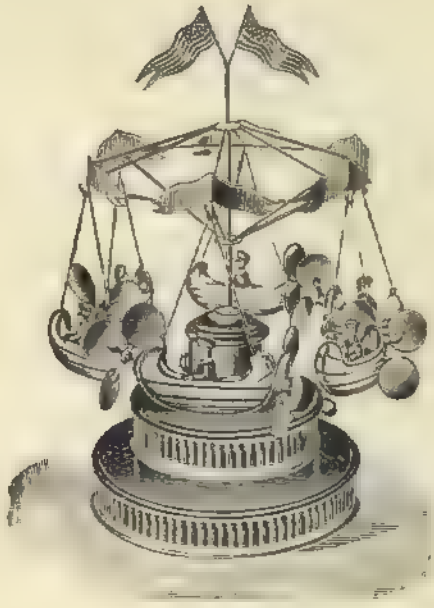


No. 99/640. $14 40 doz.

99/639. Brightly enamelled tin, central figure of clown supporting framework on his head, which rotates. From this is suspended 4 cars, 2 in the shape of fishes and two boats, both containing figures, height 9 inches, 3 doz. in pkg. . . . . Doz. $9 00

99/640. Similar to above but larger and has 6 cars, also fancy fence around upper platform, height 11 inches, packed separately. . . . . Doz. 14 40

99/641. As above but has 8 cars and is 14 inches high. . 24 00



No. 99/705. $5 50 each.

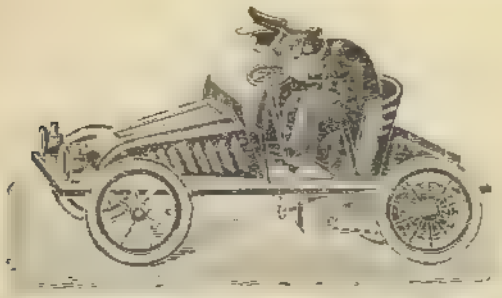
99/705. Extra large working model, can be used for display purposes. Mounted on open work tin base surmounted by engine house, has 6 vessels with colored propellers which revolve when the machine is in motion. Framework decorated with pennants and flags and each boat containing figure of boy, operated by strong spring motor which runs for one hour with one winding, packed separately . . . . . Each $5 50

GUN BOAT FLOTILLAS

99/493. Consists of one large and two small gun boats, painted in bright colors and gold, large boat with clockwork mechanism, wave motion and patent stop clutch attachment. By means of triangular and straight shaped wires the small boats may be attached to and towed by the large gunboat in various forms of line, length of large boat 8¼ inches, each in cardboard box . . . . . Doz. $14 40

99/680. As 99/493 but consists of one large and five smaller boats, large boat with extra strong spring mechanism and stop clutch, each in box . . . . . Doz. $24 00

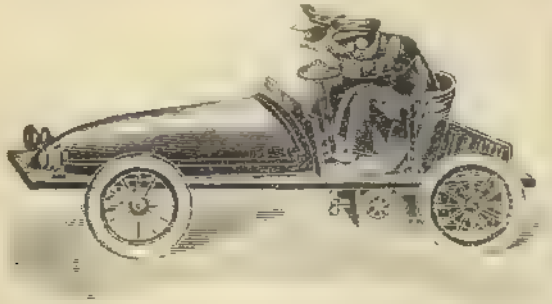
Mechanical Toys—*Continued*



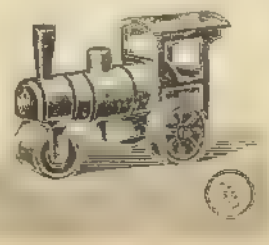
99 606. **Auto Racer,** runs straight or in circle, lithographed in bright colors, size 5 x 3 in., ½ doz. in pkg..... Doz. $3.30

237/1620. **Auto Touring Car,** can be run in straight course or any size circle desired, size 6½ x 3½ in., ½ doz. in pkg..... Doz. $3.60

101/30. **Auto Delivery,** (a new Lehmann toy), the doors on back of van can be opened and by turning the steering wheel the toy can be made to run in straight course or in circle, a large and showy toy, size 5½ x 3¾ in., ½ doz. in pkg..... Doz. $4.00

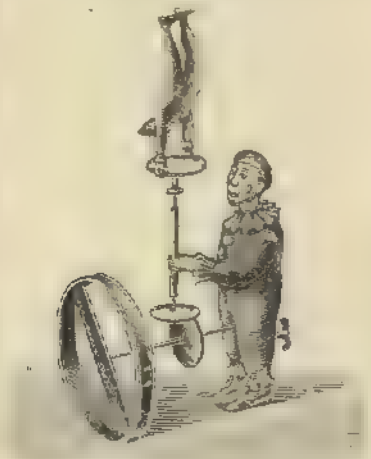


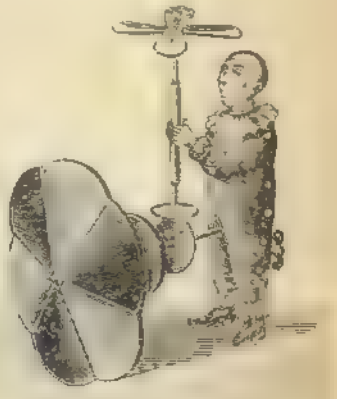
99/802. **Auto Racer,** large size, 7½ in. long, can be run in straight course or in circle, ½ doz. in pkg ..... Doz. $4.00



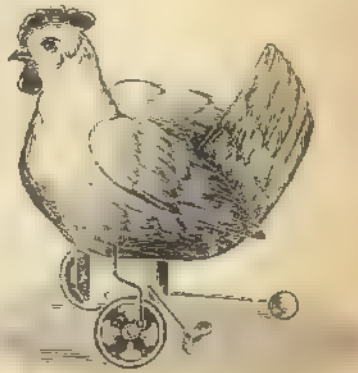
99/672. **Traction Roller,** with speed controller to produce slow motion, size 5 x 3½ in., ½ doz. in pkg. .....Doz. $4.00

61/684. **Assorted, two kinds,** clown spinning star and color wheel, and clown swinging round with fancy umbrella, both with tingle bells and painted in bright colors, height 6½ in., ½ doz. assorted in pkg. ....Doz. $4.00





61/613. **Assorted, two kinds,** as illustrated, each with double motion mechanism giving a lively circus performance, height of clowns 6½ in., 1 doz. in pkg. Doz. $4.00



No. 99/632 $4.00 dozen

99/632. **Canary,** with hopping motion, painted in natural colors, size 7 x 5 inches, ¼ doz. in pkg. Doz. $4.00

99/631. **Hen,** with flapping wings, will run in straight course or circle, size 6 x 5½ in., ½ doz. in pkg.....Doz. $4.50

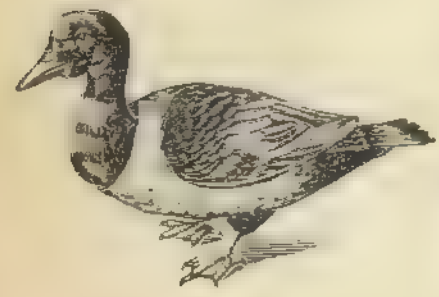
Where package quantity is mentioned we cannot supply smaller lot.

Mechanical Toys—*Continued*

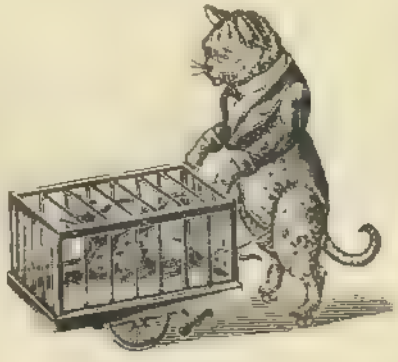
99/685. Clown. Balancing star wheel on his chin and causing it to revolve by striking with a wand as he swings his arm around in a circular motion, ⅓ doz. in pkg .. ..Doz. **$6.50**

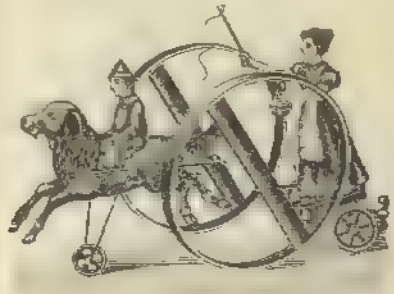
99/623. Assorted two kinds. Cat and negro with walking motion. Cat moves upper part of body and negro swings cane and moves head, height 8 in., ½ doz. assorted in pkg...Doz. **$7 00**

237/1634. Dancing Girl. Tin body painted in showy colors, goes through waltzing motion and moves upper part of body and arms from waist, height 7 inches, ⅓ doz. in pkg, each in box...Doz. **$7.50**



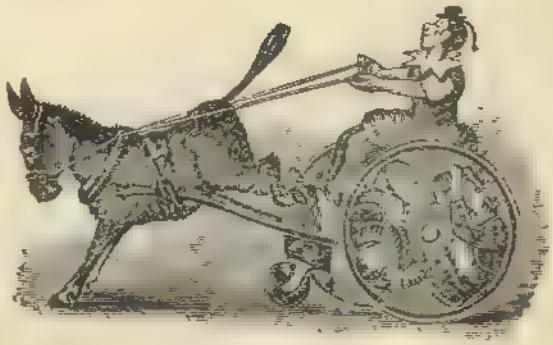
99/625. Duck. Moves head and tail as it waddles along. Painted in bright colors, size 7 x 5 inches, ½ doz. in pkg..Doz. **$6.50**





99/614. Circus Toy. Girl driving dog in sulky, waves arms holding whip and bell, size 9 x 5½ inches, ¼ doz. in pkg .....Doz. **$6.50**

101/11. Waltzing Pig, Pat riding on pig's back, when pig starts off it runs around in every direction, while Pat wildly endeavors to keep his pig straight on the road, bobbing up and down to keep his balance, height 7 inches, each in box .....Doz. **$7.50**

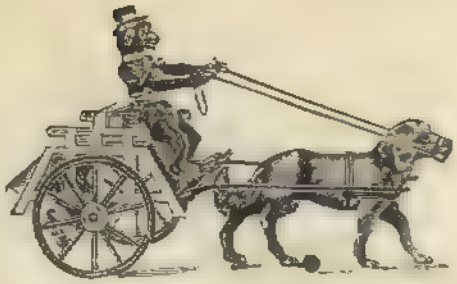


101/10. Stubborn Donkey, the animal runs forward, balks, kicks and backs up, whilst the clown bobs up and down trying to control the donkey by jerking the lines, runs by reliable clockwork.... Doz. $7.50

101/20. Seal. A perfect imitation of this animal. When wound it runs around in different directions, moving its limbs very naturally, each in box .. . Doz. $7 50

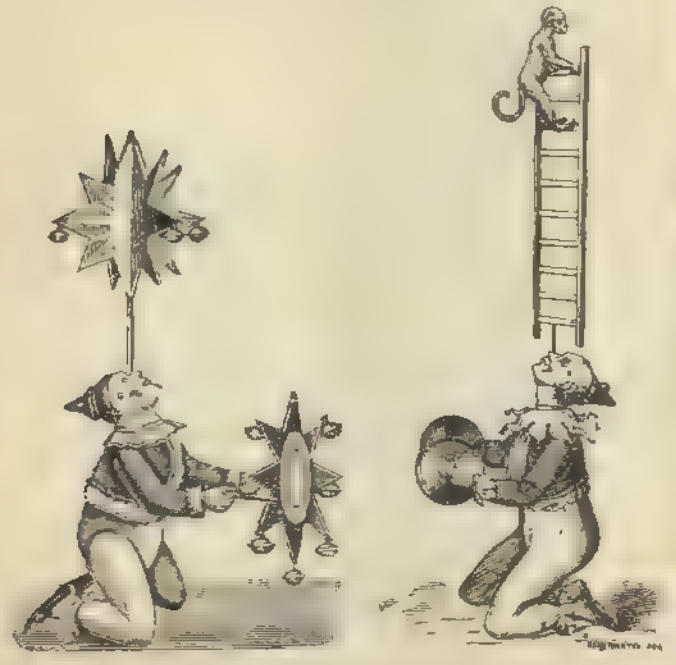
Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Mechanical Toys—*Continued*



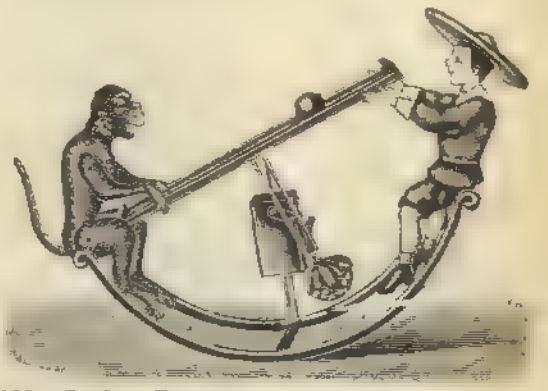
99/673 Assorted two kinds. Dog cart and goat cart with running motion and moving head. Painted in bright colors, size 8 x 5 inches, each in box, ½ doz. in pkg...Doz. $7 50

99/674. Dog Chariot, with poodle holding reins in his mouth, Dog with running motion. Painted in bright colors and gold, size 8½ x 6 inches, each in box, ½ doz. in pkg.....Doz $7 50



99 686. Two kinds, assorted, as illustrated. One balancing monkey on ladder, which revolves, and beating tambourine. The other spinning one star wheel with his hand while he balances another wheel on his nose. Both toys are painted in bright colors, ½ doz. assorted in pkg..Doz. $8 00

99 601. Pantomime Clowns, two kinds assorted. Cloth costumes, when wound up they go through the most ludicrous pantomime performance, moving head and drawing out bloomers with hands at the same time shuffling around in the most amusing manner, height 8 in., ⅙ doz. (two kinds) in pkg..Doz. $8 00

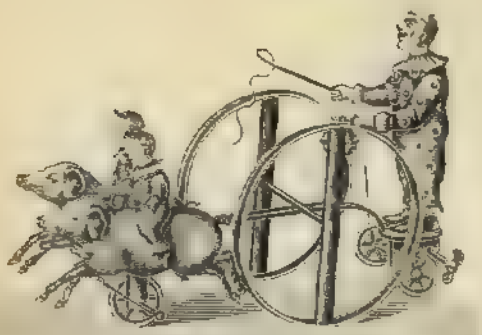


99/495. Rocker Teeter. Boy and Dog on rocker with rolling ball. Clockwork rocks the rocker while both figures move body and arms to raise and lower the triangle from end to end, so that the ball is kept rolling back and forth. Size of toy 9 x 5½ inches. Each in box, ½ doz. in pkg.....Doz. $8 00

101/29. Auto Hansom. With two moving figures inside moving chauffeur and moving head dog All in motion as the toy spins around in a circle. The latest Lehmann toy size 8 x 5 inches, each in box.....Doz. $8 00

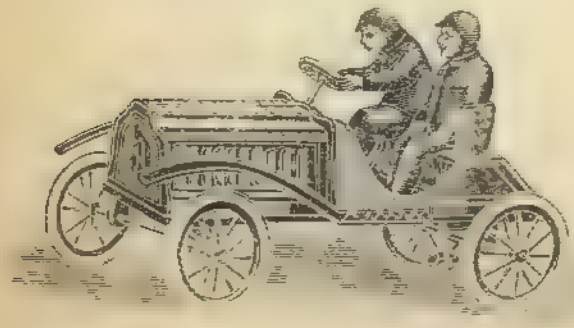
Where package quantity is mentioned we cannot supply smaller lot

Mechanical Toys – *Continued*

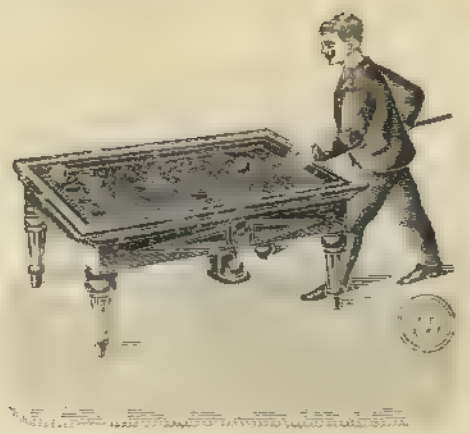


99 615. Circus Toy. Clown driving pair of pigs attached to sulky; the pigs have running motion and small clown riders, while the large clown waves both arms with whip and bell, finished in showy colors, size 10 x 6½ in., each in box, ½ doz. in pkg. Doz. $8.40

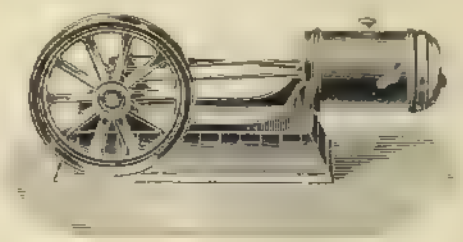
99 634. Circus Toy, consisting of clown with dog performing on ball; the dog rotates on the ball and moves in a circular course, while the clown waves wand; all on small platform with cloth fringe on edge, size 7 x 5 inches, each in a box..... Doz. 8.40



99 635 Auto Racer. Lithographed finish, two occupants in racing garb. Can be adjusted to run in any size circle, size 8 x 5½ in., each in a box..Doz. 8.00



99 675 Automatic Bagatelle Player. A small colored ball is placed in position on the board, and the player with a quick arm motion hits it with the cue, shooting it into one of the small holes which are marked with counting numbers, and the ball then passes beneath the board to pocket at side. Several balls of different colors are supplied, so that an interesting game may be played with this toy. One winding will produce ten or twelve plays, size 7 x 6 inches, each in box..... Doz. $9.60



99,651. Model Gas Engine (clockwork motor), lithographed brick base, nickel plated fly wheel with belt pulley to connect attachment. Will run from three to five minutes with one winding, size 8½ x 4 inches, each in a box..... Doz. 10.80

99 603. Touring Car. With rubber tires. Splendid model, lithographed finish. Can be adjusted to run in any size circle, six occupants, size 7 x 5¼ inches, each in a box..... Doz. 11.00

Net Shopping Bags

Strongly Made. Draw String Tops.

Leather Covered Handles.

No. 61 1259. $3.20 dozen

1945. Size 14 x 12 in., 1 doz. in pkg. ..... Doz. $2.70

61.1259. Size 18 x 12 in., ½ doz. in pkg. ..... Doz. $3.20

61.1260. Size 20 x 12 in., ½ doz. in pkg. Doz. $3.50

No. 61 1081. $6.00 dozen

61 1081. Cotton stitch, diamond mesh, size 18 x 12 in., ½ doz. in pkg. Doz. $6 00

61.969 Hand made, coarse mesh, three colors assorted size 20 x 10 in., ½ doz. in pkg. .. Doz. $7.00

No. 61 1082. $8.00 dozen

61 1082. Cotton stitch, close diamond mesh, size 18 x 12 in., ½ doz. in pkg. Doz. $8.00

61 626 Hand made close mesh, triple cord, size 20 x 12 in., ¼ doz. in pkg. Doz. $13 00

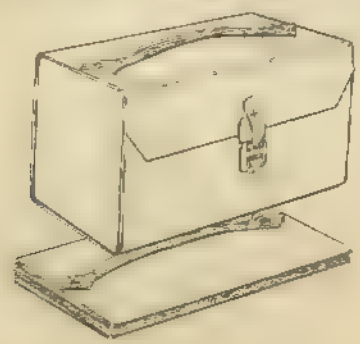
Lunch Boxes

Red Fibre, with Strap Handle

1. Size 6½ x 4¼ x 4 inches, ½ doz. in pkg....Doz. $1 70
2. " 6½ x 5½ x 4¼ " ½ " " " .... " 2 .
3. " 7½ x 6 x 5¼ " ½ " " " .... " 2 50

As above but better quality

6. Size 5 x 4 x 4 inches, ½ doz. in pkg. 2 40
7. " 6 x 4 x 4 " " " " 3 00
8. " 7 x 5 x 5 " " " " 3 50



Camera. Looks like a camera when set up for use, black cloth covered, with leather handle and black metal fasteners, cloth lined, size 8¼ x 4½ x 4½ inches, ½ doz. in pkg..... $5 50

Shawl Straps

Handles are fastened with Extra Strong Rivets

0 Leather and leatherette handle, ½ inch strap, 32 inches long, 1 doz. in pkg..... Doz. $1 80

1. Stiff leather handle, 33 inch stiff leather straps, ½ inch wide, ½ doz. in pkg ..... Doz. 2 50

2. Stiff leather handle, 36 inch split leather straps, ¾ inch wide, ½ doz. in pkg..... Doz. 3 00

7 Stiff leather handle, strong linen stitched, grain leather straps, 36 inches long, ½ doz. in pkg. Doz. 4 80

9. Two cane handle, handle and straps both grain leather, straps 42 inches long, ¾ inch wide ½ doz in pkg. ..... Doz. 8 40

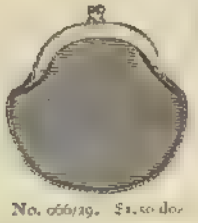
5. Extra quality ⅞ inch grain leather straps, 60 inch in length, large and strongly rivetted handle, ½ doz. in pkg ..... Doz. 10 80

Where package quantity is mentioned we cannot supply smaller lot

Frame Purses

A Few of our Best Staple Sellers

No. 200. 80c. doz.



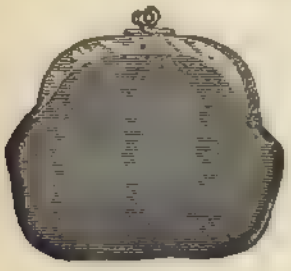
No. 066/29. $1.50 doz.

200. Child's Purse, assorted fancy gilt and silver frames, well sewn, ball clasp, size 2 x 1¼ in., 1 doz. assorted in box.....Doz. **$0.80**

066/29. Chatelaine Purse, grey buck, fancy silk oversewn seam, ball fastening, size 3 x 2¼ in., 1 doz. in pkg.....Doz. **$1.50**

066/28. As 066/29, but assorted leathers, 1 doz. in pkg .....Doz. **$1.70**

513/35. Gusset Style, leather lined, single compartment, gusset ends, ball fastening, size 3 x 2¼ in , 1 doz. in pkg. .....Doz. **$1.20**



28. Ten Cent Special, ball fastening, two compartment style, assorted leathers, size 4 x 3 in., 1 doz. assorted in pkg.....Doz. **$1.60**

066/27. Similar to above, but overlapping single frame, size 3¼ x 3 in., 1 doz. in pkg.....Doz. **$1.70**

066/25. Good Quality, soft black leather, ball clasp, nickel finished frame, size 3½ x 3 in., 1 doz. in pkg.....Doz. **$1.60**

193. As No. 066/25, but chamois lined, 1 doz. in pkg .....Doz. **$2.20**

145. Fifteen Cent Special, two compartment style, heavy nickel finish frame, triple ball clasp, assorted leathers, size 4 x 3 in., 1 doz. in pkg.....Doz. **$2.40**

513/3. Gusset Style, (inserted ends), black fine grained stock, nickel frame, ball fastening, inside compartment, kid lining, size 4 x 2½ in., 1 doz. in pkg.....Doz. **$2.20**

066/30. Assorted, black, red and green colors, soft finish stock, double compartment frame with ball fastening, fancy stitch silk over-sewn seam, size 3¼ x 3½ in., 1 doz. in pkg.....Doz. **$2.50**

513/15. Buck, fawn colored, flat nickel frame, ball fastening, leather lining, size 3½ x 3 in., 1 doz. in pkg. ....Doz. **$2.50**

513 14. Brown Buck, ball fastening, nickel frame, kid lined, inside compartment, size 3¼ x 3 in., 1 doz. in pkg.....Doz. **$3.00**

149/1. Double Buck, nickel frame, with ball clasp, chamois lined throughout, size 3½ x 3½ in., 1 doz. in pkg., Doz. **$3.30**

149/2. Same as above, but with inside metal frame compartment, 1 doz. in pkg. ..... Doz. **$4.00**

No. 1282. $4.00 dozen
(But triple value)

1282. Grey Buck, chamois lined throughout, two compartments, nickel frame and triple ball clasp fastening, size 3½ x 4 in., 1 doz. in pkg. ....Doz. **$4.00**

614. Seal Brown Kid, chamois lined throughout, two compartments, strong nickel frame, embossed, ball clasps, size 3½ x 3½ in., 1 doz. in pkg...Doz. **$4.00**

"Elite" Glassware

A New Colonial Pattern

Fruit Nappy, 4½ inch

Berry Bowl, 8 inch

Oil Bottle

Tumbler, Polished Bottom

Water Jug, ½ gallon size

"Elite" Assortment is a small-quantity package of the most saleable articles and best values in our new Elite pattern, which is beyond doubt the most attractive Colonial design ever offered in popular priced ware. The glass is clear as crystal and all pieces are brilliantly fire polished and bottoms are ground and polished.

Assortment comprises following:—

¼	doz.	Table Set	$16 80	$4 20
¼	"	½ Gallon Water Jug	10 00	2 50
1½	"	Tumbler, polished bottom	1 80	2 70
⅙	"	Berry Bowl, 7 inch	4 00	0 67
⅙	"	" " 8 "	6 00	1 00
2	"	Fruit Nappy, 4½ inch	1 30	2 60
⅛	"	Berry Sugar and Cream Set	4 50	0 75
⅛	"	Oil Bottle	3 60	0 60
⅛	"	Footed Jelly	3 20	0 53
⅛	"	Handled Bon Bon	2 50	0 41
⅛	"	Celery Tray, 11 inch	3 60	0 60
			Making total	$16 56

Special price for full package as above, **$15.90 per assortment,** less regular catalogue and cash discounts

Fine Quality Glassware

"Rex" Pattern—Finest Quality Crystal

Carried in Open Stock and also offered in Special Assortment

0112/20—**Table Set,** 4 pieces, covered Butter Dish, covered Sugar Bowl, Cream Jug and Spoon Holder . Per Set $1 30

No. 0112/21—$1.20 dozen No. 0112/22—$6.50 dozen

0112/21—**Fruit Nappy,** 4 inch ....Doz. $1 20
0112/22—**Fruit Bowl,** 8 inch..... .... .. " 6 50

0112/23—**Berry, Sugar and Cream**..Doz. Sets $5 20

0112/24—**Handled Bon Bon** ... ... .Doz. 2 40

0112/25—**Tumbler,** full table size, polished bottom .... Doz. $1 80

0112/26—**Water Jug,** tall tankard shape, stuck handle, half gallon capacity..... Doz. 12 00

"Rex" Assortment

Comprising well Proportioned Quantities of all Lines in "Rex" Pattern

4	only	Table Sets, 4 piece	0112/20	$1 30	$5 20
2	doz.	Nappies, 4 inch	0112/21	1 20	2 40
½	"	Berry Bowl, 8 inch	0112/22	6 50	2 17
½	"	" Sugar and Cream	0112/23	5 20	2 60
½	"	Handled Bon Bon	0112/24	2 40	1 20
2	"	Tumblers	0112/25	1 80	3 60
⅓	"	Water Jug	0112/26	12 00	4 00

Making Total, at open stock prices $21 17

Special price if ordered in assortment as above, **$19.00 per assortment,** less regular catalogue and cash discounts.

Trade Discount on all Prices in this Catalogue. Terms: 5 30 days

China Clock Sets

Consisting of China, Mantel Clock, and pair of Vases Decorated to Match

588 18. Fancy shape China mantel clock, lower part with hand decorated, sheep design, upper part green, shaded with gold traced relief embossing, ivory finish dial in brass mounting. Size of clock 10 x 8½ inches, dia. 2 inches. Price includes pair of Vases decorated to match clock . . . . . Per set $ 4 50

588 19. Similar to 588/18, but larger size clock, being 13½ x 12½ inches, with 3 inch dia. vases 13½ inches high 12 00

Novelty Tobacco Jars

No. 720/108. $4 00 doz. No. 720/109. $4 00 doz.

720 108. Majolica finish, decorated with pink and green, conventional design on cream tinted ground, with model pipe, in natural colors on cover, and sponge receptical. Size 3½ x 4 inches, ½ doz. in pkg . . . Doz. **$4.00**

720 109. Majolica finish, dark green body with colored panel picture of Happy Hooligan on front. Size 4 x 5 inches, with model pipe, in natural colors on cover, and sponge receptical, ½ doz. in pkg . . . . . Doz. **$4.00**

378 19. Camel, glazed finish China, Arab rider and saddle forms, cover and receptical for moistening sponge. Size 6½ x 5½ inches. ½ doz. in pkg. Doz. **$4.00**

378 20. As above, but size 8 x 6½ inches, ½ doz. in pkg . . . Doz **$7.50**

378 21. As above, but size 10 x 9½ inches, ½ doz. in pkg. . . . . Doz. **$16.00**

378 22. King Edward, glazed China, finished in colors, red tunic, head and shoulders form cover and receptacle for moistening sponge. Size 5½ x 4½ ins., ½ doz. in pkg. . Doz. **$4.50**

378 24. As above, but large. Size 9 x 6½ ins., ½ doz in pkg. . Doz. **$16 80**

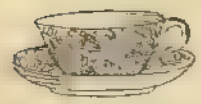
720/110. Majolica finish, shaded green body with pink flowers, and full size model pipe on top, in natural colors, sponge receptical on cover. Size 6½ x 6 x 4½ inches, ½ doz. in pkg. . . . . Doz. **$8.40**

720/111. Two kinds, assorted, one with dog on top, and one with Happy Hooligan, majolica finish, with Foxy Grandpa picture in colors on front. Size 8 x 6½ x 4 inches, ½ doz. in pkg . . . Doz **$16.00**

720/113. Glazed China, finished in colors, top of hat forming cover, with sponge receptical, finely modelled fisherman head, ½ doz. in pkg . . . . Doz **$20 40**

Where package quantity is mentioned we cannot supply smaller lot

Japanese China Cups and Saucers



No. 960 1-3. 80c. doz.

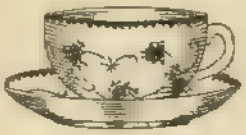
No. 2389. $1 30 doz.

960 1-3. Child's size, low shape, three decorations assorted, blue underglaze size of cup 1 x 3 inches, 1 doz. in pkg. ... doz. $0 80

2389. Child's size, straight shape, decoration with pink and blue flowers and gold scrolls, carmine border on top of cup and rim of saucer, size of cup 2⅛ x 2 inches, Saucer 2¾ inches, doz. in pkg. ... ...Doz. 1 20

2390. Similar to 2389 but with blue border on cup and rim of saucer, 1 doz. in pkg... ... Doz. 1 20

No. 2391 $1.60 doz.



No. 968. $1 60 doz.

2391. Five O'clock size, Cup 2½ x 2⅝ inches, Saucer 4½ inches, decoration of pink flowers with gold line stems, blue border on cup and saucer, 1 doz. in pkg. ... ...Doz. 1 60

968. Tea China Tea size, decorated with flowers and scroll work in colors, Cup 2½ x 3 inches, Saucer 5 inches, 1 doz. in pkg. Doz. 1 60

No. 2386. $1.70 doz.

No. 2397. $2.40 doz.

2386. Five O'clock size, hand decorated with pink flowers and gold, spiral ribbed embossing on lower part of cup and centre of saucer, Cup 2 x 3 inches, Saucer 4½ inches, ½ doz. in pkg ... ...Doz. 1 70

2397. Tea size, low shape, Cup 2 x 4 inches, Saucer 5½ inches, Japanese figure and landscape decoration in blue underglaze, ½ doz. in pkg., Doz. 2 40

No. 3251. $2.50 doz.

No. 2377. $2 40 doz.

3251. Five O'clock size, Japanese design of flowers and figures in colors and gold on ivory-tinted ground, Cup 2 x 3½ inches, Scalloped Saucer 4½ inches, ½ doz. in pkg. ...Doz. 2 50

2377. Full tea size, low shape, decorated with Japanese flowers in pink and purple with scroll work stems in gold, Japanese red border on cup and saucer, Cup 2½ x 3¾ inches, ½ doz. in pkg ... Doz. 2 50

2376. Similar to 2377 but with blue border and pink and blue flower decoration, ½ doz. in pkg ... Doz. 2 50

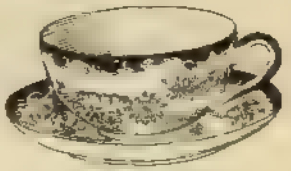
No. 2113. $3.00 doz.

No. 3170. $3.20 doz.

2113. Kirmiss shape, thin transparent China, artistic green floral decoration on tinted background, gold edges, fancy decorated saucer, size of cup 3 x 2¾ inches, saucer 5¼ inches, ½ doz. in pkg ... Doz. 3 00

3170. Full size Tea, cup 2½ x 4 inches, Saucer 5 inches, Cobalt blue border on cup and saucer with gold scroll work, decoration of large pink flowers forming entire garland around cup and saucer, ½ doz. in pkg ... Doz. 3 20

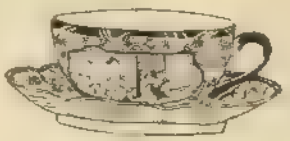
No. 6209. $3.20 doz.



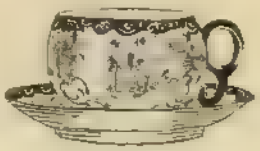
No. 1596. $3.60 doz.

6209. Thin transparent China, full tea size, gold scroll work on Cobalt blue border, richly decorated with pink flower and leaves, pink scroll designs, fully decorated saucer, Cup 2 x 4 inches, Saucer 5½ inches, 1 doz. in pkg. ... Doz. $3 20

1596. Low shape tea, blue and gold border, fancy gold garland entwined with garland of small chrysanthemums, a very neat and attractive decoration, ½ doz. in pkg.... ... ... Doz. 3 60



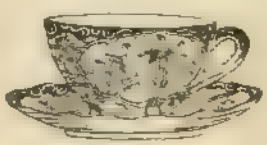
No. 3598. $3.60 doz.



No. 2516. $4 00 doz.

3598. Low shape tea, thin China richly decorated with engraved Japanese figure and flower design in gold, centres and Japanese red border on cup and saucer, Cup 2 x 4 inches, Saucer 5½ inches, ½ doz. in pkg. ...Doz. 3 60

F2516. Kirmiss shape tea, gold design on Cobalt blue border on cup and saucer, Japanese flower and figure design in colors and gold, solid blue handle, gold line on edges and handle, fully decorated saucer, Cup 2½ x 3 inches, Saucer 5¼ inches, ½ doz. in pkg. ... Doz. 4 00

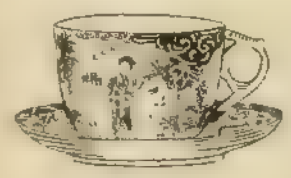


No. 3186. $5.00 doz.

No. 2235/1. $5.50 doz

3186. Footed shell shape tea, low shape, scalloped saucer, richly decorated with engraved Japanese figures and landscape in panels, cup surrounded by border of pink flowers on blue ground with beaded gold outline, fully decorated saucer to match, Cup 2½ x 3½ inches, Saucer 5¼ inches, ½ doz. in pkg. ... ... Doz 5 00

2235/1. Kirmiss shape, decoration consisting of pink roses with gold traced leaves on tinted body, centre band of small pink flowers on solid gold ground, gold scroll design, ½ doz. in pkg ... Doz 5 50



No. 3307. $6.00 doz.

No. 2738. $8.40 doz

3307. Shell shaped coffee with scalloped saucer, hand painted with flowers and figures in rich colors and gold, fully decorated saucer, gold line on edges and handle, Cup 2½ x 3½ inches, Saucer 6 inches, ½ doz. in pkg ...Doz. 6 00

3306. As 3307 but Moustache ½ doz. in pkg ... Doz 6 50

2738. **Moustache**, Cup 3 x 4 inches, Saucer 6 inches, blue and gold border richly decorated with Japanese figures and flowers in colors and gold, gold line on edges and handle, fully decorated saucer to match, ½ doz. in pkg ... Doz 8 40

Pewter Soldiers

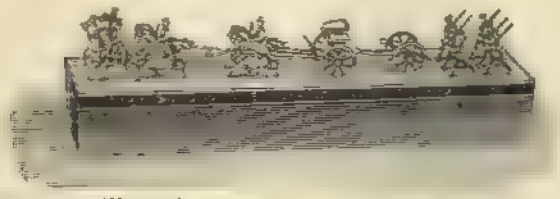
14/823. Plastic Figures, fourteen Highlanders, with mounted officer, size of box 13½ x 6½ in., ¼ doz. in pkg.....Doz. $ 6 00

14/824. As above, but with five mounted men, ¼ doz. in pkg.....Doz. 6 50

19/48. Twenty-four large pieces Infantry and Cavalry, assorted Redcoats and Khaki sets, size of box 16 x 11 in.....Doz. 12 00

14/825. Highlanders, ten Infantry and five Cavalry, all well shaped and large figures, brightly colored riders, detachable horses, size of box 12½ x 11½ in., ¼ doz. in pkg.....Doz. 8 00

19/47. Strathcona Horse, all Cavalry, assorted colored horses, khaki riders, eighteen pieces, size of box 15 x 7¼ in.....Doz. 6 50



99/180 Artillery Set, new set up packing, Mounted Officer, four Artillery horses with riders in artillery uniform drawing gun, and four Redcoats with rifles bringing up the rear. The gun limbers up like a real field gun and can be used for shooting peas or other small ammunition. Size of box 16½ x 3½ in., each set in box, ⅛ doz. in pkg.....Doz. 8 00

99/181. Similar to 99/180, but larger horses and gun, and has six Redcoats, each set packed in New Improved "set up" device, same as illustrated and in separate box, size of box 18 x 4 in.....Doz. 12 00

99/182. As above, but larger pieces.....Doz. 16 80

99/184. Navy Set, warship, 4¾ in. long, one cruiser and two gunboats, and five Japanese and five Russian soldiers, size of box 12 x 9¼ in.....Doz. 8 00

Soldier Sets

All on Decorated Display Cards, which may be used for boxes with protecting sides, and packed separately

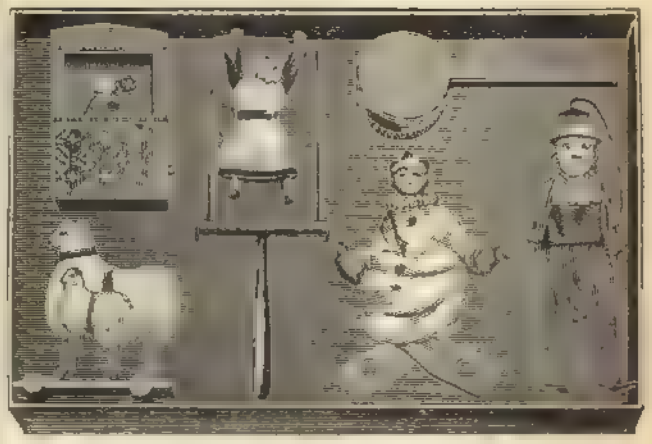
253/1. Contains red forage cap, haversack, sword with scabbard and epaulettes.....Doz. $ 8 40

253/3. White imperial helmet, haversack, rifle, sword with scabbard and epaulettes.....Doz. 13 00

253/8. Cavalry outfit, gilt helmet with horsehair plume, navy blue cloth breastpiece with brass buttons, sword, spurs and binocular case.....Doz. 18 00

253/9. Cavalry outfit, white imperial helmet, red cloth breastpiece with brass buttons, binocular case, sword and spurs, also epaulettes.....Doz. 24 00

Assorted Toys



403/59. Assortment, contains Punch and Judy, sheep with lamb, figure on stick, rattle, extension toy, jumping Jack, etc., all splendid value for 5c. toys, 2 doz. assorted (12 kinds in pkg..Doz. 80

156/237. Assortment, contains large stick figure, clapper figure, lamb in pen, performing figure on stick, horse with cart and nodding head, donkey, all good value 10c. toys, ½ doz. assorted in box, 1 doz. in pkg.....Doz. 1 60

Where Package Quantity is Mentioned we cannot Supply smaller lot

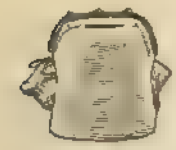
China Pig Novelties

All articles shaded olive green and trimmed in gold. Pigs in pale pink tint

The letter "C" in number denotes that the article comes with inscription "From Canada" in gold.

419 5. Grip Ash Tray. Size 3 x 3 inches. 1 doz. in pkg. Doz. **$1 60**

419 5C. As above, but with inscription "From Canada," 1 doz. in pkg..... .Doz. **$1 80**



419 8. Grip Bank. Size 3x3½ inches. 1 doz. in pkg. Doz. **$1 60**

419 8C. As above, but with inscription "From Canada." 1 doz. in pkg Doz. **$1 80**

419 9. Ash Tray, with two pigs, red seal, size 3 x 4 in., 1 doz. in pkg. Doz **$1 60**

419 9C. As above, but with inscription "From Canada," 1 doz. in pkg., Doz. **$1 80**

419/11. Match Holder, with red seal, size 2¼ x 2¼ in., 1 doz. in pkg., Doz. **$1.60**

419/11C. As above, but with inscription "From Canada," 1 doz. in pkg. Doz. **$1.80**

419 99. Hat Box, with red seal, size 3 x 3¼ inches, 1 doz. in pkg.....Doz. **$1.60**

419/99C. As above, but with inscription "From Canada," 1 doz. in pkg. Doz. **$1.80**

419 67. Candlestick Ash Receiver and Match Holder. Size 4¼x4 inches. ½ doz. in pkg..... .....Doz. **$4.00**

419/4. Match Holder, size 1½ x 2½ inches, 1 doz. in pkg.....Doz. **$1.60**

419/4C As above, but with inscription "From Canada," 1 doz. in pkg Doz. **$1 80**

419 3. Pot Ash Receiver, size 2 x 2½ inches. 1 doz. in pkg..... Doz. **$1.60**

419/3C. As above, but with inscription "From Canada," 1 doz. in pkg .Doz. **$1.80**

18/15. W. C. Novelty, size 2½ x 3¼ inches, 1 doz in pkg ..... Doz. **$1.60**

18/15C. Same as above, but with inscription "From Canada," 1 doz. in pkg . . . . . Doz. **$1 80**

18/16. Cradle Ash Receiver, with motto on front, size 2½ x 3¼ inches, 1 doz. in pkg..... ...Doz. **$1.60**

18 16C As above, but with inscription "From Canada," 1 doz in pkg... ..... Doz. **$1.80**

419 12. Ash Tray Match Holder with Scratch Match Back motto and match striker on pg. Size 5x 3½ inches. ½ doz. in pkg. . Doz **$4.00**

419 12C. As above, but with inscription "From Canada" ½ doz in pkg .. .. Doz **$4 00**

419/15. Pigskin Trunk, with "Free" on side. Size 3½x3¾ inches. ½ doz in pkg .. .Doz. **$4.00**

419 15C As above, but with inscription "From Canada" ½ doz. in pkg Doz. **$4.00**

419/43. Graphophone. Ash Tray. Gold lined horn. Size 4½x3½ in. ½ doz in pkg. . Doz. **$4.00**

419 43C. As above, but with inscription "From Canada" ½ doz in pkg . .. Doz **$4.00**

419/59. Automobile Ash Receiver. Size 4½x3 inches. ½ doz. in pkg...Doz. **$4.00**

419 59C. As above, but with inscription "From Canada." ½ doz. in pkg. ... Doz **$4.00**

419/16. Pigs in Bath, with Watering Can Size 3¼ x3 inches ½ doz in pkg. ..... Doz. **$4.00**

419 16C As above but with inscription "From Canada" ½ doz in pkg. ..... Doz **$4.00**

419 7. Pig in Fence, with hollow pos Matchstick Holder Size 4½x3 inches. ½ doz. in pkg .. Doz **$4.00**

419 7C As above, but with inscription "From Canada." ½ doz in pkg ... Doz **$4 00**

419 17 Pigs in Grip Size 3½x3½ inches ½ doz. in pkg . Doz. **$4 00**

419 17C. As above, but with inscription "From Canada" ½ doz in pkg ....Doz. **$4.00**

419 100. Bank. Size 4x4 inches . doz. in pkg. .. .. Doz **$4.00**

419 100C. As above, but with inscription "From Canada." ½ doz. in pkg..... . .. Doz. **$4.00**

419/21. Pigs at Well. Size 3x4 inches. ½ doz. in pkg. .....Doz. **$4.00**

419 21C. As above, but with inscription "From Canada. ½ doz. in pkg . Doz **$4.00**

419 14. Drum Money Bank, with coin slot in top. Size 3¾ x4½ inches ½ doz. in pkg. Doz. **$4.00**

419 14C. As above, but with inscription "From Canada." ½ doz. in pkg..... .... Doz. **$4.00**

Strawberry China

The shapes, embossing and coloring are all in imitation of strawberries, strawberry leaves, vines and flowers, all in the natural colors excepting the handles, which form the vine or stem of the fruit and are finished in solid gold.

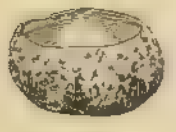
No. 119/31. $4.00 doz.

No. 119/29. $4.00 doz.

119/34. Cream Jug, height 3 in., 1 doz. in pkg. Doz. $2.00

119/31. Cream Jug, large, height 3½ in., ½ doz. in pkg. Doz. 4.00

119/29. Cup and Saucer, A.D. size, cup gold lined, gold edge saucer, diameter of saucer 5¼ in., ½ doz. in pkg. ..... Doz. 4.00



No. 119/32

$4.00 doz. sets.

119/32. Sugar and Cream. Cream jug is 3 in. high, and 3 in. open sugar, ½ doz. sets in pkg. Doz. $4.00

119/30. Teapot, Sugar and Cream, teapot is 5 in. high, cream jug 3¾ in. high, and sugar bowl 3¾ inches high. ..... Doz. sets 16.80

Orange China

The shapes, embossing and coloring executed in imitation of Oranges, with leaves and blossoms, all in natural colors, gold on handles.

119/306. Sugar and Cream. Cream Jug 3 inches high, covered sugar, 3¾ inches high with Orange blossom handle on lid, ½ doz. sets in pkg. ..... Doz. sets 8.40

119/305. Teapot, Sugar and Cream. Sugar and cream as above, and teapot 4½ inches high. Each set in pkg. ..... Doz. sets 16.80

119/307. Cup and Saucer. A.D. size, cup set, ½ doz. in pkg. ..... Doz. 3.60

Souvenir Specials

No. 196/69 inscribed, $4.00 doz.

196/166. Maple Leaf Cup and Saucer, autumn colors, traced in gold, gold handle and edges, saucer lettered in gold "From Canada," regular A.D. size, ½ doz. in pkg. Doz. $4.50

196/1135. Maple Leaf Tray, inscribed "From Canada," as saucer in above cut, 1 doz. in pkg. ..... Doz. 1.00

196/1227. Maple Leaf Tray, as above, but with Canadian Coat of Arms, 1 doz. in pkg. ..... Doz. 1.00

196/440. Maple Leaf Tray, as above, but with King and Queen picture, 1 doz. in pkg. ..... Doz. 1.00

No. 22/40, inscribed $1.00 dozen.

22/40. Strawberry Cup and Saucer, small A.D. size, cup strawberry color, gold lined and gold handle, saucer strawberry leaf, gold traced and lettered "Souvenir from Canada," ½ doz. in pkg. ..... Doz. 4.00

419/260. Shoe Ash Receiver, shaded green glazing with souvenir wording in gold "From Canada, length 5½ inches, 1 doz. in pkg. ..... Doz. 1.80

419/26. As above but without souvenir wording, 1 doz. in pkg. ..... Doz. 1.00

No. 22/168. $1.00 doz.

No. 22/15, with lettering $4.00
No. 22/10, plain, $4.00 doz.

22/1680. Ash Tray, assorted, three colors, lustre tints, decorated with heavy gold, with gold wording "Souvenir from Canada," ¼ doz. assorted in pkg. ..... Doz. $4.00

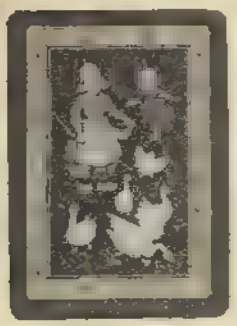
22/168 as above but without souvenir wording, ¼ doz. in pkg. ..... Doz. $4.00

22/15. Maple Leaf Shape, with fancy gold edge, and gold twig handle, assorted cobalt blue, pink and pearl lustre, all lettered in gold "Souvenir from Canada," size 6 x 5 inches, ½ doz. assorted in pkg. ..... Doz. 4.00

22/10. As 22/15, but without souvenir wording, ½ doz. assorted in pkg. ..... Doz. 4.00

Novelty Toothpick Holder

720/118. Assorted, cucumber and fish toothpick holder, green tinted glaze, length 5½ inches, 1 doz. assorted in pkg. Doz. $1.00



DUTCH BACK
Goodall's Series

FORTUNE TELLER BACK
Goodall's Series

LITTLE PET BACK
Goodall's Series

THE SERENADE BACK
Goodall's Series

NYMPH BACK
Goodall's Series

HEART BACK
Goodall's Series

Fancy Playing Cards

ALL WITH GOLD EDGES

GOODALL'S FANCY SERIES

Dutch	The Serenade	King Edward
Heart	Nymph	Indian Chief
Fortune Teller	Game	Moose
Little Pet	Poppy	Sultan
	Dancing Girl	

— $7.20 dozen —

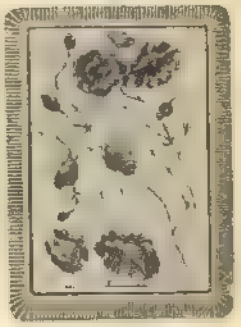
GAME BACK
Goodall's Series

GOODALL'S NATIONAL SERIES

England	Scotland	Ireland	Canada

— $7.20 dozen —

ENGLAND BACK
Goodall's Series



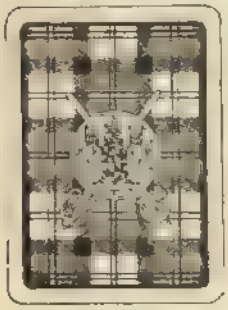
POPPY BACK

GOODALL'S CLAN TARTAN SERIES

Can be had assorted in dozens or any separate design desired. The Series comprise the following Clan Tartan designs, each with clan shield and crossed claymores.

Gordon	Murray	Graham	Mackenzie
Campbell	Fraser	Cameron	Macgregor
Macdonald	Lindsay	Robertson	Macintosh
Royal Stewart	Ferguson	Maclean	Mackay

$7.20 dozen



GORDON BACK
Clan Tartan Series

CAMPBELL BACK
Clan Tartan Series

CONGRESS FASHION SERIES

Sold assorted in dozens or any separate design mentioned.

Rockwood Indian	Moon Fairy	Mistletoe
Miner	Diana	Toboggan
Moorish	Spinning Wheel	Good Night
Anticipation	King Edward	Holly

— $8.00 dozen —

ROCKWOOD INDIAN BACK.
Congress Series

ANTICIPATION BACK.
Congress Series

KING EDWARD BACK
Congress Series

MOORISH BACK.
Congress Series

MISTLETOE BACK.
Congress Series

Embossed A.B.C. Blocks

All put up in fancy label boxes with metal locked corners

½ size

No. 700. $1.00 doz. No. 701. $2.40 doz.

724. Nine 1½ in. flats, letters and figures in blue and red, box 4¼ x 4¼ in., 1 doz. in pkg..... .....Doz. **$1.30**

700. Twelve 1½ in. cubes, embossed ends, printed sides, has complete alphabet and several pictures, size of box 4½ x 3½ in., 1 doz. in pkg. . . . Doz. **$1.60**

326 44 Six 1¼ in. cubes all sides lithographed in colors with figures, animals and alphabetical letters, in wood box 6¼ x 4¼ in., covered with fancy colored lithographed design, ½ doz. in pkg . . . . . Doz. **$2.20**

701. Twelve 1¼ in. cubes, fancy embossed ends, sides printed with letters and animals in red and blue, size of box 6½ x 4¼ in., ½ doz. in pkg..Doz. **$2.40**

702. Twelve 1¼ in., cubes, natural wood, embossed ends has 72 letters, figures and illustrations, and is without doubt the best retail 25c. value ever offered, size of box 7 x 5½ in., ½ doz. in pkg .....Doz. **$3.60**

½ size

732 Twenty-five 1¼ in. cubes 6 phases of letters embossed on ends, sides with figures, letters and animals printed in red and blue. Size of box 6¼ x 6¾ in., ½ doz. in pkg . . . . .Doz. **$6.00**

No. 728. $7.50 doz.

729. Twelve 1¼ in. cubes with fancy embossed alphabetical ends, sides printed with figures, letters and animals in red and blue, size of box 7¼ x 15½ in., ½ doz. in pkg.....Doz. **$4.20**

728. Twelve 2⅛ in. cubes, with fancy embossed ends, sides printed with letters and animals in red and blue, size of box 6¼ x 9 in., ½ doz. in pkg....Doz. **$7.50**

727. Burnt Wood. Sixteen 1¼ in. cubes ends embossed with alphabet and animals in natural colors, sides with letters, animals, words, etc., in pyrographed (burnt) design, new design, circus label cover, size of box 7⅛ x 7⅛ in., ½ doz. in pkg... . Doz. **$6.50**

731. Burnt Wood, contains thirty 1¾ in. cubes, ends embossed with letters of the alphabet and animals, sides with alphabet and animals in pyrographed design, in cardboard box 11 x 8½ in., with colored Santa Claus design cover, ½ doz. in pkg. Doz. **$12 00**

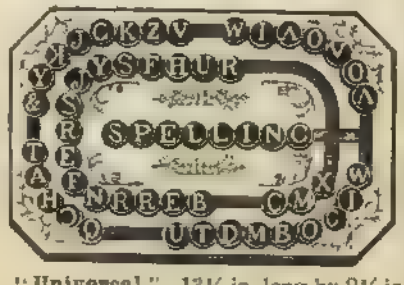
Lithographed A B C Blocks

091/32. Assorted, three kinds, Little Doggie, Mother Goose and Our Barn's picture A B C blocks, handsomely lithographed on two sides, 10 pieces, size of box 8¼ x 8¼ in., ½ doz in pkg Doz. **$3 60**

091 31. Contains 8 blocks, each block being 3 x 1¾ x ⅞ in., the sides and edges are covered, on one side is the full alphabet in capital letters and also a set of small animals and objects to correspond, size 7½ x 6½ in., 1 doz. in pkg..... Doz. **$2 40**

091/34. Assorted, four kinds, House that Jack Built, Cock Robbin, Old Mother Hubbard, etc., contains 12 blocks, each block being 3½ x 2½ x ⅞ in., lithographed pictures in colors on front and back with nursery rhymes, sides with animals and the alphabet, in cardboard box 14½ x 8 in., with colored picture cover, ½ doz. in pkg.....Doz. **$6 00**

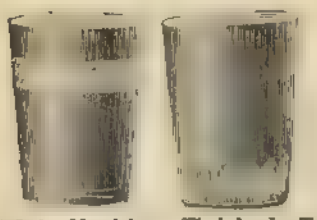
SPELLING BOARD



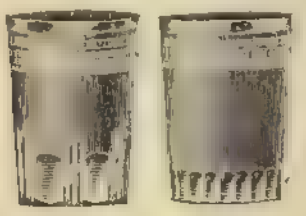
"Universal." 13½ in. long by 9¼ in. wide, has fifty lettered blocks, made of hardwood, very strong and durable, and cannot be taken out, neatly made and ornamented . . . . . Doz **$18.00**

Pressed Glass Specialties

Tumblers



0111/3/4—Machine Finished Table Tumblers, glazed edges, 8 oz. capacity, assorted two styles, plain with mold band, and rib flute pattern, open stock. Doz. .56
Barrel lots of 20 doz. (10 doz. each style) ... Doz. 50



0111/1—Jelly Tumbler, with tin cap, machine finished, glazed edge, 8 oz. capacity, price includes caps, open stock ... Doz. .56
Barrel lots, 20 doz. ... " 50
0111/2—Jelly Tumbler, with tin cap, same quality as 0111/2 but fancy flute pattern, as illustrated, open stock. Doz. .56
Barrel lots, 20 doz ... " 50

0111/5/6—Large Plain Taper Shape Table Tumbler, 10 oz. capacity, assorted star and horseshoe bottoms, machine finished, glazed edges extra value in a full large size Table Tumbler, open stock ... Doz. .60
Barrel lots, 20 doz. assorted " .52

0108/5—Fine Quality, Plain Table Tumbler, full fire finished, 9 oz. capacity, open stock ... Doz. .70
0108/6—Same quality as above, low shape fancy flute, 8½ oz. capacity, open stock ... Doz. .70
0108/7—Same quality as above, tall shape fancy flute, 8 oz. capacity, open stock ... Doz. 70
"Trio" Assortment, 6⅔ doz. each of 0108/5, 0108/6 and 0108/7 making 20 doz. in barrel ... Doz. .58

Tumblers

0108/1—Fine Quality Table Tumbler, full fire finished, large flat flute pattern, cut and polished bottom, open stock ... Doz. .84
Barrel lots, 20 doz. ... " .76
0108/4—Fine Quality, plain shape, 9 oz. capacity, engraved Greek band and star pattern, open stock ... Doz. $1.00
Barrel lots, 20 doz. ... " .90

Hotel Tumblers

0111/7—Hotel Table Tumbler, machine finished, concave flute pattern, glazed edge, smooth bottom, 9 oz. capacity, open stock ... Doz. $1.10
Barrel lots, 18 doz ... " .96
0111/8—Hotel Table Tumbler, plain pattern, non-nesting, heavy post bottom, smooth finished, 10 oz. capacity, open stock ... Doz. $1.10
Barrel lots, 18 doz ... " .96

0108/2 Fine Quality Hotel Tumbler, full fire finished, fancy flute pattern, cut and polished star bottom, 9 oz. capacity, open stock ... Doz. $1.50
Barrel lots, 18 doz. ... Doz. $1.40

0119/1—Pressed Soda, tall taper shape, ground bottom, 14 oz. capacity ... Doz $1.60
0119/2—Pressed Goblet, Hoffmann House shape, 10 oz. capacity Doz. $1.70
0119/3 As 0119/2 but Fifth Avenue shape ... Doz. $1.70

Lemon Reamers

Large, $1.50 doz.

Small, with perforated bottom, diameter 3¼ in. ... Doz. .70

Large, with thumb and finger handle and lip, diameter 5¼ in. ... Doz. $1.50

Water Bottle

0114/1—"Pres-Cut" Glass, whirlwind design, full size. Extra special value. Open stock ... Doz. $7.50

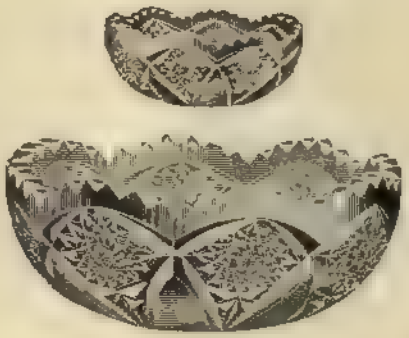
Crucifix Candlestick

"Crucifix" Candlestick, pressed crystal, octagon base, height 9½ inches, ½ doz. in pkg. ... Doz. $3.20

For Blown Glass Tumblers and Stem Ware See Pages 58 and 59.

Pressed Glassware

Carried in Open Stock



0122/1 Table Set, 4 pieces . . . . Doz. Sets $7 20
0122/2—Butter Dish, separate . . . . Doz. 2 50
0122/3—Sugar Bowl, " " 2 30
0122/4—Cream Jug, " " 1 40
0122/5—Spoon Holder, " " 1 20

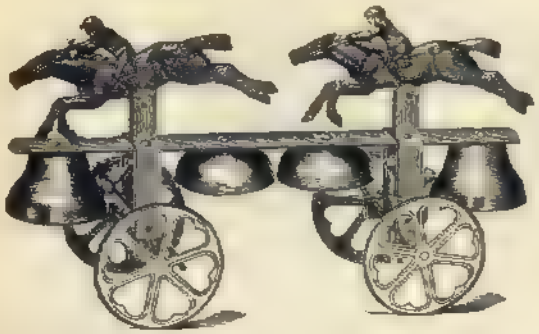
0122/6—Berry Set, 8 inch Bowl and six 4 inch Nappies . . . . Doz. Sets $7 50
0122/7—Berry Bowl, separate . . . . Doz. 3 30
0122/8—Nappy, 4 inch . . . . " 70

0122/9—Water Set, 3 pint footed Jug and six Tumblers . . . . Doz. Sets $10 80
0122/10—Footed Jug, separate . . . . Doz. 3 60
0122/11—Tumbler, " " 1 30

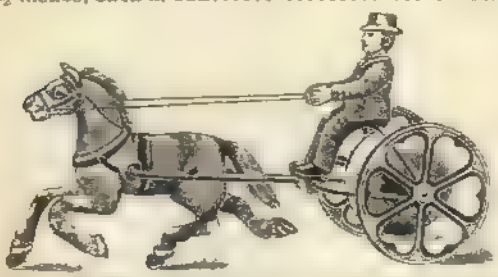
0122/12—Water Set, half gallon Jug and six Tumbers . . . . Doz. Sets $13 20
0122/13—Tankard Jug, separate . . . . Doz. 6 00
Water Set Tray, 13 inch, embossed tin, suitable for all cheap Water Sets . . . . Doz. 1 30

"Whirlwind" Five Cent Bargain Assortment. Contains one dozen each of twelve articles illustrated, comprising Celery Tray, Pickle Tray, Olive Tray, Bon Bon, Cream, Open Sugar, Mug, two styles of Nappies, Salt and Pepper Shakers and Stem Wine Glass. Sold only in assortment. (Total 12 dozen in barrel) . . . . Doz. $0 84

Bell Toys

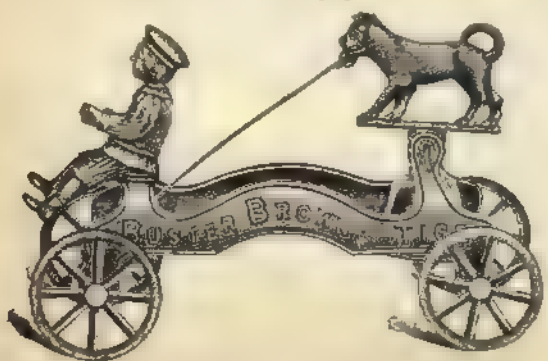


21. Jockeys, mounted on two silvered horses, has two 2-inch gongs and two 2-inch bells, giving a very beautiful toned effect. On 2½-inch wheels, length 10½ inches, each in box..... ..... Doz. $11 50



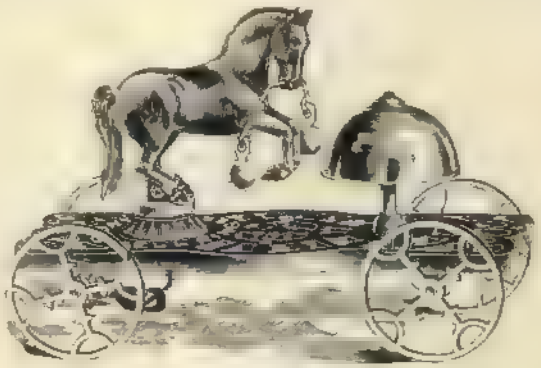
18. Sulky with horse and driver, has 2½ inch wheels and 2 inch gong, length 8 inches, ½ doz. in pkg. Doz. $5 50

098/8. Maleable iron, finished in colors and aluminum, nickel plated gong bell. When drawn along the monkey pounds with his arm, causing the bell to ring. Size 6¼ x 5½ inches, ½ doz. in pkg.....Doz. $6 50

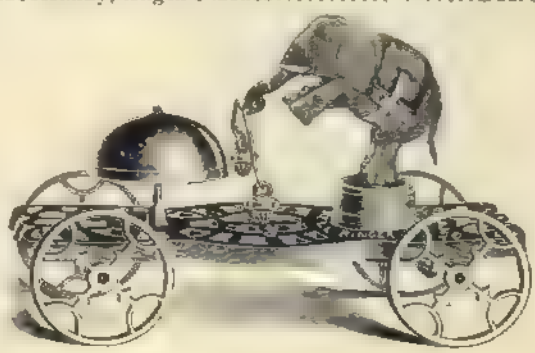


28. Buster Brown and Tige. Frame and images painted in colors, wheels nickeled, as toy is drawn along Tige jumps up and down as if barking and bell rings, length 7½ inches, ½ doz. in pkg.. .. .Doz. $6 50

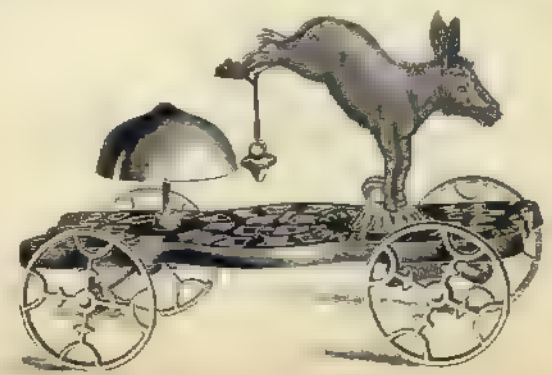
F77. Goat Bell Toy, 2¼ inch silvered wheels, 1½ inch gong, painted goat, entire length 5 inches, 1 doz. in pkg..... .....Doz. $2 40



F39. Pony Bell Ringer. Maleable iron, painted in colors and gold, nickel plated gong bell. As drawn along pony swings from side to side and rings bell incessantly, length 8 inches..... .....Doz. $10 80

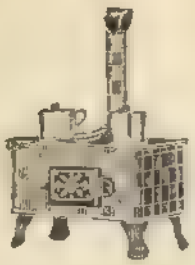


F40. Elephant on Pedestal, swings from side to side and rings bell as drawn along, maleable iron, painted in colors and gold, nickel plated gong bell, length 6 inches, each in box ..... Doz. $10 80



F42. Mule Bell Ringer. Mule standing on fore feet swings hind feet and rings bell as drawn along, nickel plated gong, maleable iron finished in colors and gold, each in box. . . .. Doz. $[illegible]0

Tin Stoves

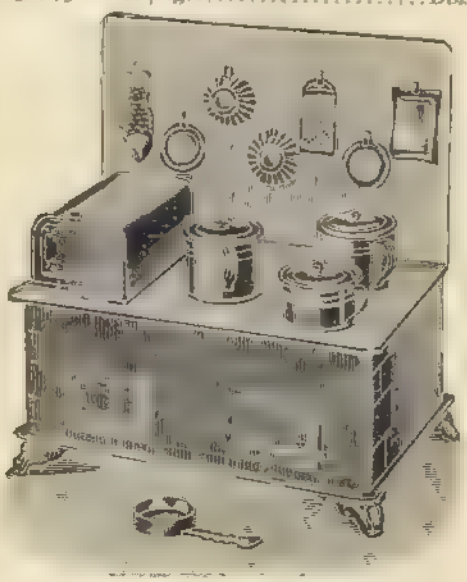


No. 131/1. $1.70 dozen

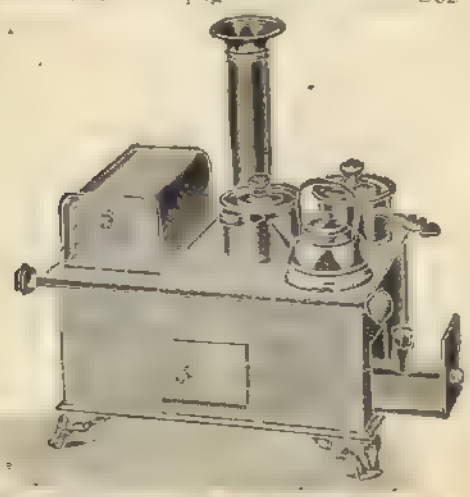
No . . $1.80 dozen

131/1. Brightly painted and decorated, oven, has three pieces furnishings, size 6 x 3½, 7 inches high, 2 doz. in pkg..... Doz. $ 1.70

131/5. Brightly painted and decorated, high back with fittings as illustrated, large oven, size 6¾ x 1½ x 8 in. high, ½ doz in pkg..... Doz. 3.80



131/8. Black enamel sides, red top and back, utensils shown in cut, also warming oven, size of stove 9 x 10 x 6 in., ½ doz. in pkg Doz 7.50



131/9. Brass trimmed with nickel trimmings sides and oven, nickel trimmings warming oven, brass kettle and three burner spirit lamp, size of body 7½ x 5 x 4½ in., each in pkg..... Doz. 14.40

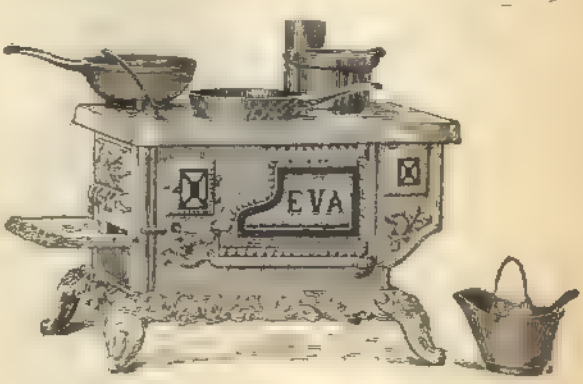
131/10. Same as above but larger, size of body 9 x 5½ x 6 in., each in pkg..... Doz. 24.00

Toy Iron Stoves

No. 099/20. "Ark." $6.50 dozen,

099/20. Dull black body with nickel top and feet, swinging door, complete with fittings, size 5 x 5 x 4 in., ¼ doz. in pkg..... Doz. $ 6.50

099/21. **Rival**, oxydized, swinging oven door, four loose lids and reservoir loose damper and grate, has frying pan and kettle, size 5 x 5 x 4¼ in., each in pkg..... Doz. 12.00



099/22. Eva.

099/22. **Eva**, oxydized finish, complete with fittings as in cut, length 9 in., height 5½ in., width 4¼ in., each in box..... Doz. 18.00

099/23. **Royal**, oxydized finish, swinging oven door, four loose lids and reservoir, loose damper and grate, complete with utensils, length 11 in., height, 6¼ in., width 6 in., each in box..... Doz. 28.80

Where package quantity is mentioned we cannot supply smaller lot

Pyrographic Outfits

022/1. CONSISTS OF :—

1 sliding cover bass wood box
1 benzine bottle
1 glass spirit lamp
1 small black rubber bulb
2 ft. black rubber tubing
1 nickel plated metal union
1 cork handle
1 small platinum point
. . . . . Each $2 50

022/2. CONSISTS OF :—

1 designed bass wood box
1 benzine bottle
1 spirit lamp with aluminum cover
2 ft. pure India rubber tubing
1 red India rubber bulb
1 nickel plated metal union
1 cork handle
1 platinum point Solar No. 801
1 instruction book "Pyrography Simplified"
. . . . . Each $3 80

022 3. CONSISTS OF :—

1 large designed bass wood box
1 benzine bottle
1 glass spirit lamp with aluminum cover
1 red rubber bulb
2 ft. pure India rubber tubing
1 nickel plated metal union
1 cork handle
1 large bottle Pyro. stain
1 large bottle Pyro. varnish
1 platinum point Solar No. 802
2 designed practice pieces
1 instruction book "Pyrography Simplified"
. . . . . Each $4 50

022 4. CONSISTS OF :—

1 large designed bass wood box
1 benzine bottle with belt hook
1 alcohol lamp with ground glass cover
1 medium red India bulb
2½ ft. pure India rubber tubing
1 platinum point Solar No. 701
1 nickel plated metal union
1 cork handle with swivel attachment
2 designed practice pieces
1 instruction book "Pyrography Simplified"
. . . . . Each $5 50

022/5. CONSISTS OF :—

1 large designed drop front box
1 large benzine bottle with belt hook
1 large alcohol lamp
1 medium red India rubber bulb
2½ ft. pure India rubber tubing
1 platinum point Solar No. 701
1 Solar improved benzine regulator
1 cork handle with swivel attachment
1 large bottle Pyro. varnish
1 large bottle Pyro. stain, any color
2 designed practice pieces
1 instruction book "Pyrography Simplified"
. . . . . Each $7 50

022 6. CONSISTS OF :—

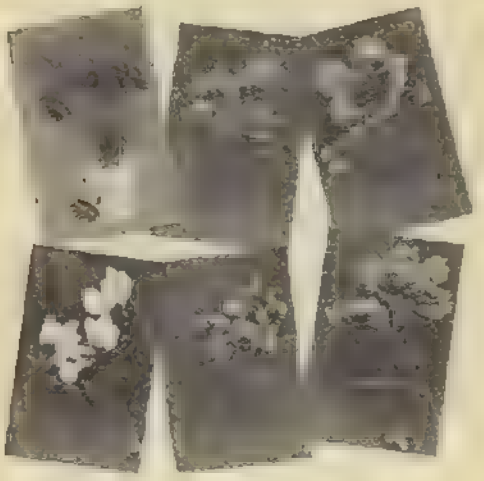
1 large drop front designed box
1 large benzine bottle with belt hook
1 large alcohol lamp
1 large red India rubber bulb
3 feet pure India rubber tubing
1 extra heavy platinum point No. 508
1 Solar improved benzine regulator
1 cork handle with swivel attachment
1 bottle heavy body Pyro. Filler
1 bottle Pyro. French varnish
2 designed practice pieces
1 instruction book "Pyrography Simplified"
8 half ounce bottles Pyro. stain, assorted colors
. . . . . Each $11 00

No. 022/6. $11.00 each

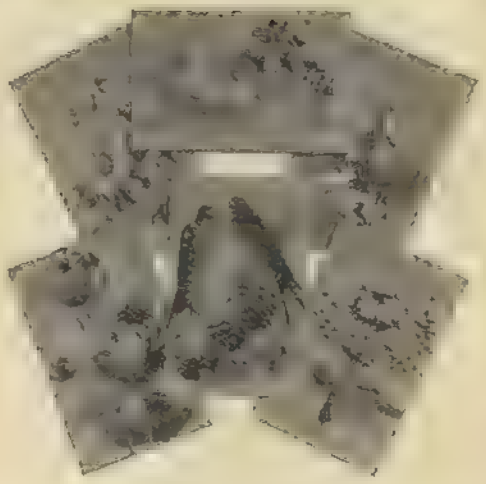
Specially suitable for Christmas, New Year or Birthday Greetings.

EMBOSSED FLORAL POSTCARDS

Address side is divided with space for correspondence.

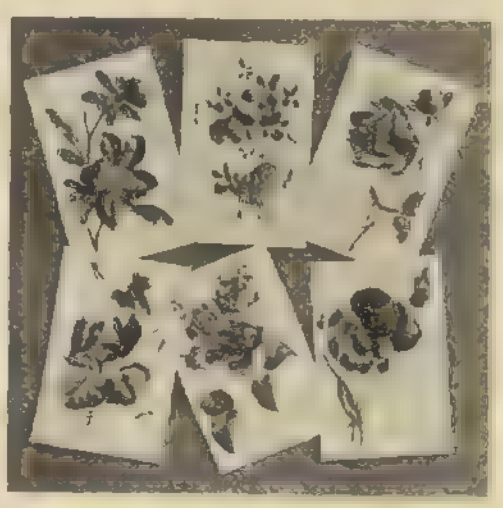


7/254/265. Assorted 12 kinds, floral subjects embossed and hand colored on grey mat, 1 doz. assorted in pkg . . . Doz. $0 76

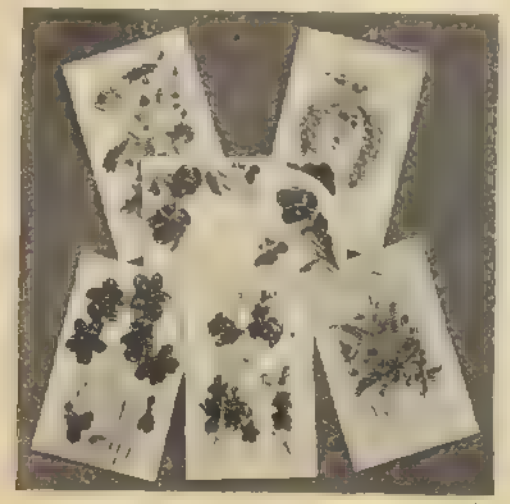


7/467. Assorted, 12 kinds, rich floral and bird designs, embossed and hand colored on grey mat, 1 doz. assorted in pkg Doz $1 40

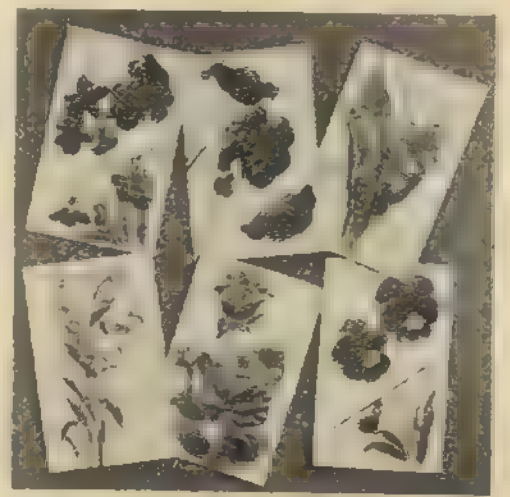
7/266/277. Assorted, 12 kinds, floral subjects, embossed and hand colored on **silk applique,** assorted light and dark mats, 1 doz. assorted in pkg . . ..Doz. 1 00



7/278/289. Assorted, 12 kinds, embossed and hand colored silk flowers on **white celluloid mat,** 1 doz. assorted in pkg . . . . . Doz 3 60



7/473. Assorted 12 kinds, embossed and hand colored **plush flowers** on polished mat in assorted color units, 1 doz. assorted in pkg.....Doz. 3 00



7/483. Assorted 12 kinds, embossed and hand colored plush flowers on **plush mat** in assorted colors, with space left for writing, 1 doz. assorted in pkg..... Doz. 3 60

The Lutoscope

Prof. Zimmerman's Lutoscope or Merry Wheel for Motion Pictures is a clever device that will offer endless amusement and instruction. One of the colored picture dials is placed at the end of revolving rod and a wonderful motion picture effect is produced.

Each with six pictures complete in box . . . . . Doz. $13 00

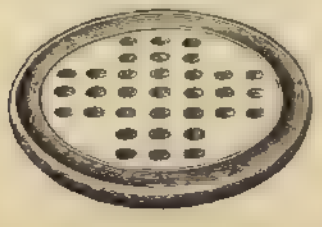
Extra pictures . . . . . Doz. 50

GILT METAL TOYS

61/1377. Go Cart, gilt bronzed, movable wheels, folding construction as illustrated, height (closed) 8 in., 1 doz. in pkg. . . . . Doz. $0 70

500/28. Combination High Chair and Rocker, gilt bronzed, may be adjusted as illustrated, height 3 in., 1 doz. in pkg. . . . . Doz. $0 70

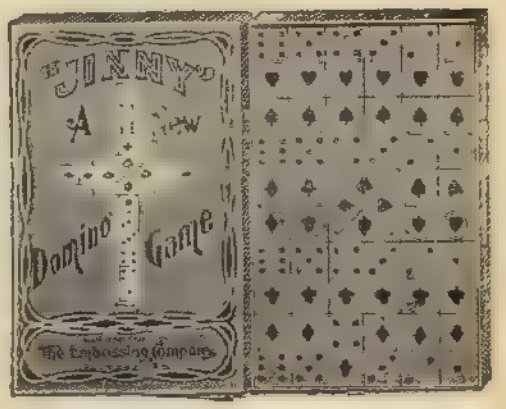
SOLITAIRE BOARDS



12/29. Stained board, china alleys, ¼ doz. in pkg. . Doz. $4 00

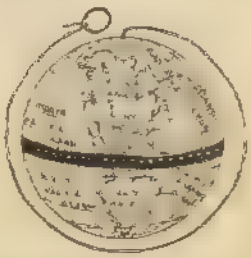
"JINNY."

New Domino Game.



"Jinny." An entirely new adaptation of the game of Dominos, displaying attractive features. The arrangement of four suits as illustrated offers possibilities for playing numerous games. Put up in attractively labeled box as illustrated, ½ doz. in pkg . . . . Doz. $4 00

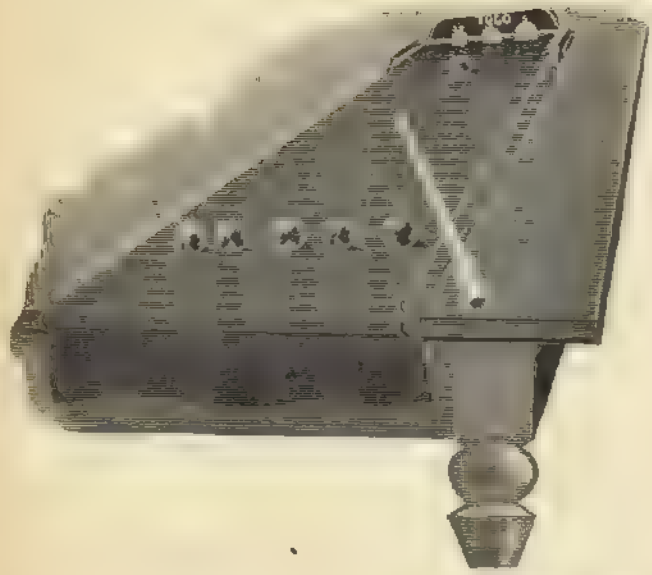
GLOBE RETURN BALL



156/238. Globe return ball, made of pressed paper, with map of world in green and black, long elastic cord and finger ring, diameter 3¼ in., 1 doz. in pkg. . . . Doz. $0 80

Where package quantity is mentioned we cannot supply smaller lot

Togo



A new and interesting game that has become immensely popular at first sight wherever shown.

The game possesses all the attractiveness and opportunity for scientific play to be found in more expensive games of ball-and-cue order and in addition has many fascinating features, entirely new, and fully protected by the inventor's patents so that they cannot be used on any other game.

Adapted for any number of players and especially suitable for entertainment of social gatherings.

The equipment of the game consists of the fort or pocket end with three net pockets, a green felt cloth for playing surface that can be placed on any table, a full size hardwood cue, six balls, table clamps and boundary cords.

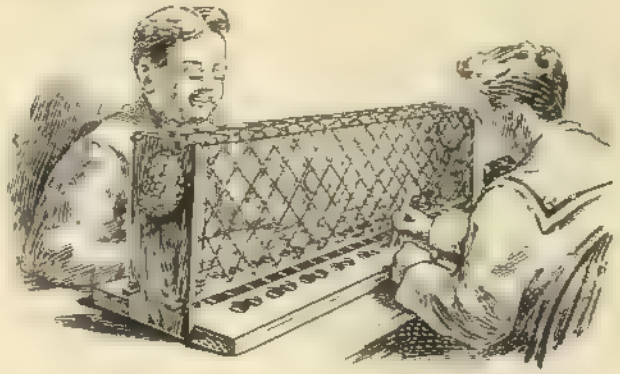
Each packed complete in box..... ..... Doz. $33 60

PARLOR FOOTALL

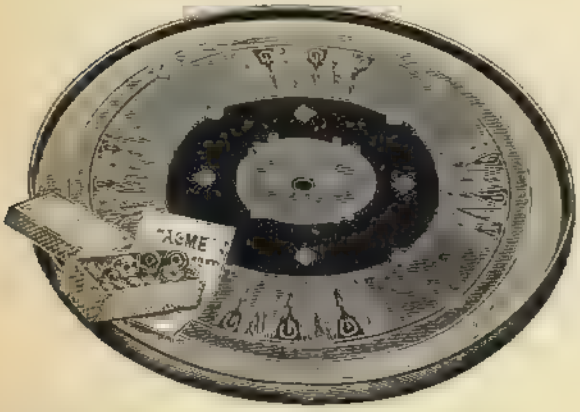
Parlor Football is the result of much patient continuous study in the endeavor to get a modification of the outdoor Rugby game which would be interesting indoors. The plan of the game is very simple, being merely the driving of a light ball by snapping a wire under it with a pointed stick, towards the goal or touchdown at opposite end of the game.

This is made exciting and interesting from the fact that the player's opponent is endeavoring to accomplish the same thing at the same time, thereby making it an exceedingly lively contest with the odds in favor of the player who is the quickest and most alert.

Size of Parlor Football equipment, set up, 28 x 9½ x 9 inches. Each complete in package Doz. $22 80



CROKINOLE



The Improved "Acme" Round Board is made from three-ply white maple veneer, diagrams on crokinole face and checkerboard on back lithographed in bright colors. Ditch and rim in golden oak finish. Finest quality concave ring discs. Serves all the purposes of the old-fashioned clumsy boards, is more attractive, can be sold at a lower price and still leave you a better profit.

"Acme" Boards in ¼ dozen crate .. Doz. $21 00
" " ½ " cases " 20 40
" " in cases of 1 dozen. " 19 00

FORT

"Fort." This popular and fascinating parlor game, made of selected stock, and put up in neat box, complete with men, alleys and cue, each in box .. .. Doz $14 40

Games—*Continued*

BAGATELLE BOARDS

No. 093/31. $3.50 dozen

No. 332/9. $4.00 dozen

093/30. Stained wood board, paper lined with metal bell, size of board 6¼ x 12 in., 1 doz. in pkg ..... Doz. $2 40

093/31. As 093/30 but larger with metal star and bell, size of board 9 x 15½ in., ½ doz. in pkg..... Doz. 3 50

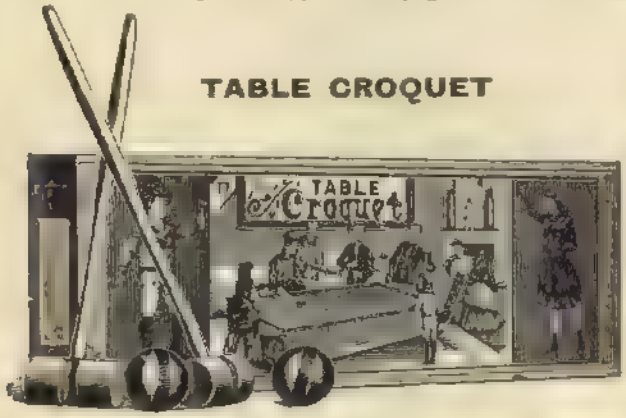
332/9. Paper lined, fancy lithographed picture designs, nickel bell, size of board 16 x 9 in., ½ doz. in pkg Doz. 4 00

332/10. Paper lined, lithographed picture design, nickel bell, metal bracket hoop, board 21½ x 9¼ in., ⅙ doz. in pkg..... Doz. 6 50

332/11. As 332/10 but is 24 in. long and 9¼ in. wide, ⅙ doz. in pkg..... Doz. 8 00

093/33. Varnished hardwood frame, has four metal pockets and two nickel bells, and is lined with cloth, size of board 9½ x 24 in., ⅙ doz. in pkg.....Doz. 10 80

TABLE CROQUET



No. 5. $12.00 dozen

Twenty-five cent Special

12/155. Four stained mallets and balls, coppered wire hoops, metal clamps and boundry tape, each set complete in lithographed box with rules, ½ doz. in pkg. Doz. $4 00

7. Contains four hardwood mallets and four balls, wire wickets with detachable wooden bases, wire clamps and tape belt, and striped stakes, in wood box with sliding cover, size of box 11½ x 4½ in., each in pkg. ..... Doz. 6 50

5. Consists of six hardwood mallets and balls, wire wickets, painted stakes, wire clamp and belt, complete, packed in wood box, with sliding cover, size of box 13 x 6 in. each in box. Doz. 12 00

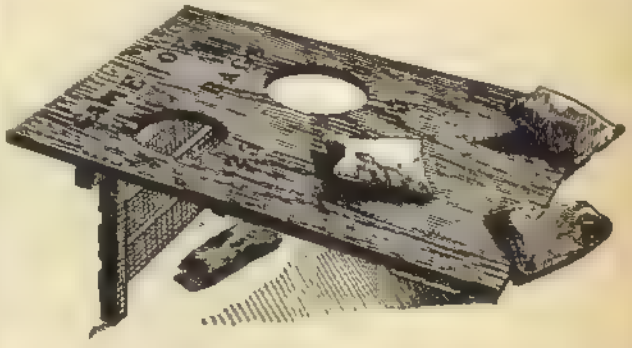
3. Contains eight fine hardwood mallets and balls, striped with bright colors and varnished, weighted wickets, two painted stakes, wire clamp and belt, complete, size of box 15 x 7½ in., each in box.. Doz. 24 00

RING TOSS

093/41. Consists of two-piece red stained base 14 inches in diameter. Has 4 bound rings and 5 large stained pegs, ⅙ doz. in pkg..... ...Doz. $8 40

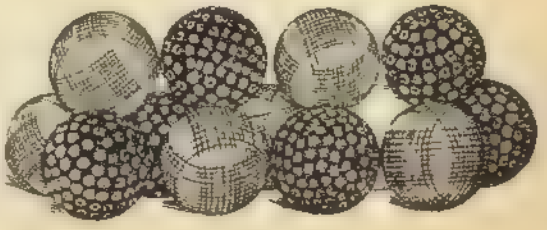
607. Deck ring toss. Polished hardwood post in hardwood base board, four 6 inch rope rings, with wood ferrules in different colors, each set complete in box . Doz. $8 40

BEAN BAGS



608. Varnished wood board 16½ x 13½ in., hinged easel back, four bags, ⅙ doz. in pkg. . . ..Doz. $8 40

CARPET BALLS



Standard set, glazed china balls..... Per set $3 50

Where package quantity is mentioned we cannot supply smaller lot

Rag Dolls

No. 560/24. $1.60 doz. No. 560/25. $2.40 doz.

560/24. 13 in., excelsior stuffed cloth body, with rag feet, lithographed cloth face, red cloth dress, bonnet and cape with blue fur, 1 doz. in pkg. .Doz. $1 60

560/25. 15 in., similar to above, but has gauze face, mask with glass eyes and mohair bangs, double frilled dress, 1 doz. in pkg .Doz 2 40

No. 561/2. $4.00 doz. No. 560/37. $4.00 doz.

561/2. 15 inch, excelsior stuffed cloth body, rag feet and arms, lithographed face, fancy material dress with bonnet to match, 1 doz. in pkg. . Doz. 4 00

560/37. 15 in., excelsior stuffed cloth body, rag feet, **celluloid face**, with painted features, red dress elaborately trimmed with lace and ribbon, 1 doz. in pkg.....Doz. 4 00

Wool Dolls

No. 93/247. $1.60 doz. No. 645/3. $4.00 doz. No. 645/4. $4.00 doz.

93/200. 7½ inch, **Clown,** wool face with bead eyes, wool hair, rag stuffed body in assorted fancy colors, with wool pattern, 2 doz. assorted in pkg.... Doz. $0 00

645/1. 8½ inch, as above, 1 doz. assorted in pkg " 1 30

93/247 10 inch, as above, 1 doz assorted in pkg. " 1 60

645/3. Clown with Voice. 14 inches high, rag stuffed body, wool head, assorted fancy clown costumes with lace collar, bells on arms and hat, ½ doz. assorted in pkg.....Doz. 4 00

645/4. Girl with Celluloid Face, 10½ inch, rag stuffed body, wool feet, celluloid face, crocheted dress and hood in assorted colors, ½ doz. assorted in pkg.....Doz. 4 00

Unbreakable Dressed Dolls

WITH RATTLE HEADS

No. 271/76. $4.00 doz. No. 271/75. $4.50 doz.

271/76. Clown, 14 inch, same as 271/75, but has painted clown features and assorted clown costumes, ½ doz. in pkg.... Doz. 4 00

271/75 14 inch, excelsior stuffed cloth body, rag feet and arms, **unbreakable** head with rattle, wel. painted features and mohair bangs, assorted colored dresses, ½ doz. in pkg . ...Doz. 4 50

Where package quantity is mentioned we cannot supply smaller lot

CHINA BABIES

Special One Cent Lines

No. 4/1.

No. 90/11

No. 2623H.

90/11. White bisque, painted cheeks, mouth, eyes and hair, loose arms, length 2¼ inches, assorted colored dresses with lace collar and frill, gold tinsel belt, 1 gross assorted in display box.....Gross $2. 00

4/1. 2½ inch, white bisque, stout shape, painted cheeks, mouth, eyes and hair, loose arms, 1 gross pkg. . . Gross 2 00

2623H 2½ inch, white bisque china, painted shoes, mouth and eyes, hair in plait, ½ gross in pkg. Gross 2 00

Dressed China Babies

No 90/12. ½ doz

90/12. 2¾ inch solid china baby, moveable arms, assorted colored dresses, with lace around skirt and lace collar, china hood, 1 doz in box.... ..Doz. 34

90/13. 3¼ inch, as 90/12, 1 doz. in box... . .. " 40

90/14. As 90/13, but nursing tiny baby in long dress 1 doz. in box..... .....Doz. 60

90/15. 4¼ inch, as 90/12, 1 doz. in box... . " 70

90/16. As 90/15, but nursing tiny baby in long dress, 1 doz. in box.....Doz. 80

No. A2½.

Solid China, White Glaze

With free standing out arms, painted cheeks, mouth, eyes and hair.

A5/0. 1½ inch, 1 gross in box.....Gross 1 44

A2/0. 2 inch, ½ gross in box.....Gross 2 00

A0½. 2¾ inch, 1 doz. in box .....Doz. 34

A2½. 3¼ inch, 1 doz. in box Doz. 60

A3. 4 inch, 1 doz. in box... Doz. 70

Black Glaze Nigger Babies

Black glaze, free standing out arms, painted mouth, cheeks and eyes.

N5/0. 1½ inch, 1 gross in pkg. Gross 1 44

N4/0. 1¾ inch, ½ doz. in pkg. . " 2 00

N2/0. 2½ inch, ¼ gross in pkg. . " 3 60

NO½. 2¾ inch, 1 doz. in pkg.. .Doz. 40

N2. 3 inch, 1 doz. in pkg.. . " 50

16/84

Floating Bisque Babies

16/84. 3¼ inch floating bisque bath baby, flesh colored body, painted features and hair, 1 doz. in pkg.....Doz. 80

16/85. As above, but represents girl baby in bathing suit and bonnet, 1 doz. in pkg ....Doz. 84

Flesh Colored Bisque

Flesh colored bisque china, with painted eyes, mouth and cheeks, painted shoes, stockings and garters, moveable arms, with wire joints, and long flowing hair, with colored bow on top of head.

16/150. 3½ inch, 1 doz. in pkg..Doz. $0 54

16/151. 4¼ " 1 " " " " 76

Flesh Colored Bisque

Flesh colored bisque china babies, stout and nicely shaped, moveable arms and legs, wire joints, glass eyes, painted lips and cheeks, and painted shoes and stockings, long flowing hair.

82/75. 3¼ inch, 1 doz. in pkg..Doz. $0 90

82/77. 5 " 1 " " " " 1 60

16/79. 6 inch, sleeping eyes, each in box, 1 doz. in pkg.....Doz. 2 50

As above, but better quality, and have flowing curly hair.

16/82. 3½ inch, 1 doz. in box..Doz. $0 80

16 83. 4¼ " 1 " " " " 1 60

16/85. 5¼ " 1 " " " " 2 40

16/87. 6½ " 1 " " " " 3 60

Extra fine bisque, flesh colored, painted mouth, cheeks and brows, long flowing curly hair covering shoulders, jointed at shoulder and hips, painted stockings and shoes.

All have Sleeping Eyes

94/2. 4¼ inch, each in box .....Doz. $4 00

94/3. 5 inch, each in box .....Doz. 4 50

94/4. 5¼ inch, each in box ... .Doz. 5 00

94/6. 6½ inch, each in box .....Doz. 8 40

Celluloid Bath Babies

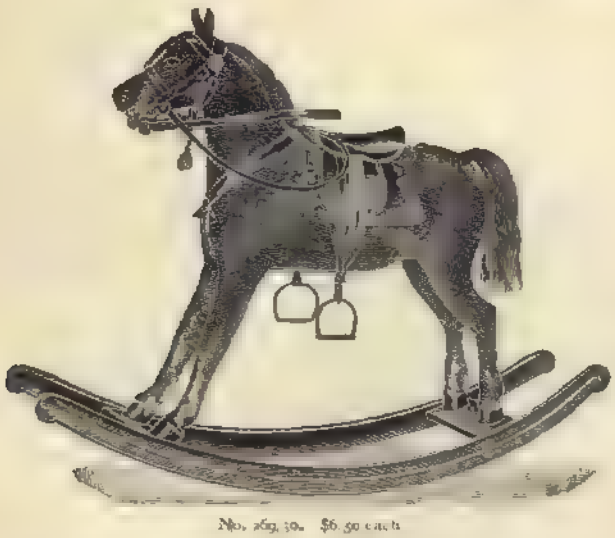
No. 99/584. $4.00 doz.

Celluloid floating baby, with painted features and embossed hair. White celluloid bath tub, sold complete, bath and baby.

99/582. Bath 2¾ x 1¼ inches, baby 1¾ inches, 1 doz. in pkg..... .....Doz. $1 60

99 584. Bath 4¼ x 2½ inches, baby 2¾ inches, 1 doz. in pkg..... ....Doz. 4 00

Plush Rocking Horses



No. 269/30. $6.50 each

269/30. Felt Covered, finished in a good imitation of real skin, wood fibre body, furnished with leather saddle and bridle, hair mane and tail, glass eyes, hardwood rockers, height from floor to saddle 23 inches.....Each $ 6.50

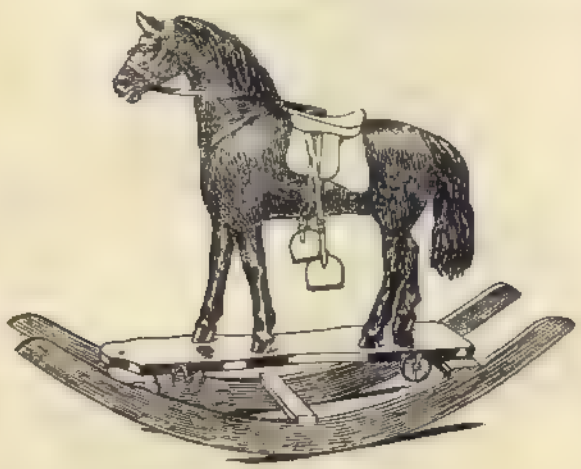
431 16. Plush Covered, made of wood fibre and covered with best quality plush. All have hair tail and mane, felt saddle cloth, tan leather saddle and bridle. Rockers painted red and striped. Height from floor to saddle 21 inches.....Each 6 50

431/17. As above but larger, being 24 inches high to top of saddle.....Each 9 00

431/18. As above but 27 inches high.....Each 10 50

Combination Style

Being mounted on platform with Wheels, and can be detached or refitted to rocker in two minutes



Nos. 431/20, 431/20.

431/20. Plush Covered, same quality as No. 431/16. Height from floor to top of saddle 27 inches .....Each $10 00

New Style Combination

With Folding Wheels

269 27. Plush Horse, same quality and same trimmings as our 431/16 but is mounted on rocker with folding wheels as shown in illustration, which can be turned under the rockers to serve the purpose of a platform horse and immediately converted back into a rocker when desired. Height from floor to top of saddle 23 inches .....Each $ 8 50

269/28. As 269/27 but larger size, height from floor to saddle being 25 inches.....Each 10 00

269/29. As above but height 30 inches.....Each 13 00

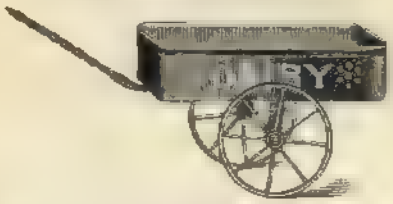
Fine Real Skin Horse

Combination Rocker and Platform

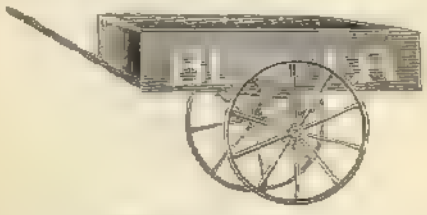
431/22. Real skin covered horse, in pacing position on platform, with rockers, fine leather saddle and bridle, both detachable, platform and rockers painted red with stripes of yellow, wheels bronzed, rockers 44 inches long, height from floor to saddle 26 inches.....Each $18 00

Where package quantity is mentioned we cannot supply smaller lots

Toy Carts



"Daisy" Cart. Size of body 5¼ x 3 in., iron wheels, steel body, painted in bright colors, 24 in. handle of galvanized twisted wire, 1 doz. in box. .Doz $2 40



"Beaver." Steel box, maleable iron wheels, painted in bright colors, 24 in galvanized twisted wire handle, size of body 7½ x 4 in , ½ doz. in box..Doz. 3 60

25 **Express.** Size of body 9¼ x 4 in., steel axles, body and running gear, four iron wheels, front wheels turn under body, galvanized twisted wire handle with loop end 24 in. long, ½ doz. in box Doz. 4 50

1. Wood spoke wheels 6 in. diameter, tin tires, fancy painted wood box, size 10 x 5½ in., 1 doz. K.D. in crate . . . . . Doz. 4 50
2. Has 8 in. spoke wheels, tin tires, fancy painted and decorated box, size of box 11 x 6½ in., 1 doz. K.D. in crate . . . . . Doz. 5 00

Toy Barrows

"Pet." Has 5½ in. solid wheel, handles 23 in. long, painted a bright red, ½ doz. in crate.....Doz. $4 80

Baby Swings

No. 10 $6.00 dozen Each $3.00 each

10 Natural wood, long cotton ropes, seat 11 x 10½ in., height of back 10 in Doz $5 50

2. White enamel, gold striped, red spindles, upholstered in figured furniture cloth, size of seat 15 x 10 in. Doz. 13 00

Eureka. A combination swing and child's swing crib. It can be adjusted to any position desired, and is so constructed that a child can either sit or recline without danger of falling out, has heavy coil suspension springs and steel adjustment rods, perforated veneer seat and back, oiled and varnished.. Each 3 50

Shoo-Fly Rockers

1. Horses painted dapple gray, hardwood rockers, finished in natural wood and striped, red painted seat, set up.....Doz. $17 50
   Knocked down in ¼ doz. crates " 16 00
   Knocked down in ½ doz. crates " 15 20
2. A much larger rocker than No. 1, finished in superior style, strong and well made, set up.....Doz 22 80
   Knocked down in ¼ doz. crates. . . " 20 00
   Knocked down in ½ doz. crates..... " 19 50

Noah's Arks

Painted in Bright Water Colors

1 12	Animals, size 7½ x 3½ in.,	1 doz. in pkg		Doz.	$0 80
3 20.	" " 10⅝ x 4½ "	1 "		"	1 60
4 25.	" " 11 x 4¾ "	½ "		"	2 40
6 35.	" " 13½ x 5¼ "	½ "		"	4 00
8 50	" " 17 x 7 "	each		"	7 50
9 65.	" " 18 x 7½ "	"		"	10 80

FINER QUALITY

Painted with Oil Paint and have Fancy Lithographed Decorations. Each Ark is well filled with large and well shaped Animals

1234/4.	Size 11¼ x 5 in., 80 animals,	½ doz. in pkg.	Doz. $4 00
1234/6.	" 14½ x 6 in., 120 "	packed singly	" 8 00
1234/7.	" 15 x 6½ in., 120 "	"	" 11 00
1234/8.	" 17 x 7 in., 80 extra large animals		" 15 80

Paper Pulp Animals

393/105.	**Assorted,** animals painted, six kinds, size about 4 in. long, 2 doz. assorted in pkg	Doz. $0 80
393/106.	**Cats and Dogs** assorted, extra finish, length 5 in., 1 doz. assorted in pkg	Doz. 1 00

Roly Poly Toys

No. 634/2. Assorted. $8.40 dozen

A very attractive and popular novelty in the shape of papier mache figures, beautifully moulded in four different characters such as Buster Brown, Chinaman, Clown, etc. The bases are rounded and weighted, so that the figures always fly to an upright position no matter in what way they are placed.

634/1.	Height 5¼ inches,	½ doz. assorted in pkg	$4 50
634/2.	" 9 "	each in pkg Doz.	8 40
634/3.	" 11 "	movable head, each in box "	16 80

Circus Toys

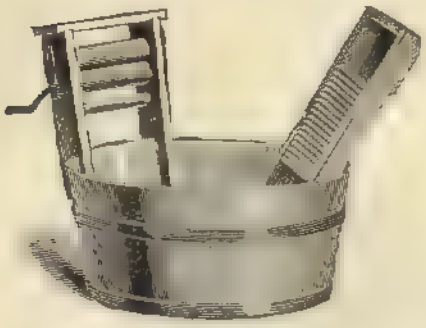
No. 411/69. $24.00 dozen

Consist of jointed body clown, dressed in fancy costume and animals with jointed legs. With the equipment supplied the clown and animals can be placed in an endless number of comical circus tricks.

411/68. Clown, donkey, horse, chair, ball and pedestal, with 10½ inch ring and colored floor, each complete in box Doz. $16 80

411 69 Clown, elephant, donkey, pig, chair, round pedestal and square pedestal, with 11 inch ring, each complete in box Doz 24 00

Laundry Sets



No. 100. $4.00 doz.

100. Set contains a 9 inch tub, washboard and wringer, all strong and neatly made ....Doz. sets $4 00

PIECES SEPARATE

Tub, 9 in., metal hoops, ½ doz. in pkg..... Doz. 2 40
Board, size 8½ x 4½ in., 1 doz. in pkg. ... " 90
Wringer as shown metal, 1 doz. in pkg. " 80

No. 101/5. $5.50 doz.

101/1. **"Little Beauty," Four Pieces,** table 6¼ x 11¼ x 7 in. high, stained top, tin tub 4 in. across and 4 in. washboard, each in pkg. .. .. Doz. $3 60

101/5. **"Eclipse," Five Pieces,** table 10 x 6½ x 8¾ in. high, painted and varnished, painted tin tub 5 in. dia. across, 7½ in. clothes horse, 4¼ in. washboard and wringer 3¼ in. high, each in pkg.. . Doz 5 50

101/10. **"Eureka," Six Pieces,** table painted and varnished, 18 x 9 ½ x 12 ... high, painted tin tub 6 in. across, 5½ in. washboard, 6 in. wringer, clothes horse 11¼ x 4¼ in. and three-colored basket 4 x 6 in.. ... ... Doz. 10 80

Doll Chairs

"Red Assortment. Three kinds, rocking chair 11 in. high, reception chair 10 in. high and high chair 14½ in. high, all painted bright red. Open stock... Doz. $3 00
Crate lots (three dozen assorted)..... " 2 50

Doll Furniture Sets

180. **"Floradora,"** beautifully finished in gilt bronze with gilt knots and white metal ornaments, fancy turned legs, one table, round edge 6 in. high 6½ in. top, one chair 12 in. high 5½ in. seat, one rocker 11 in. high 5½ in. seat, one three-cornered chair 9¾ in. high 5½ in. seat, each set in pasteboard box..Per set $4 00

100. **"Little Beauty,"** finished in white enamel consisting of two chairs 10¾ in. high 5 in. seat, one stool 6 in. high, 6 in. top, one set of 3 x 1½ in. seat 10¼ in high, each set in separate box.....Doz. sets $12 00

"Royal Bayreuth" China

Flow Blue Pictorial Design

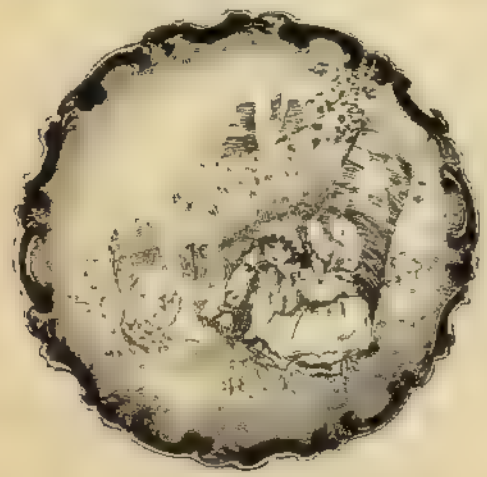
Flow blue underglaze. Wide gold band on edges.

No. 119/320 (six shapes assorted), $4.00 doz. No. 119/324, $4.00 doz.

119 320. **Assorted Vases,** six assorted shapes and patterns, average height 4½ inches, ½ doz. (6 kinds) in pkg ..... Doz. $4 00
119/321. **Assorted Vases,** six kinds, as above, but larger, average height being 5 inches, ½ doz. (6 kinds) in pkg ..... Doz. 8 40
119/322. **Assorted Vases,** four kinds, as above, but larger, average height 6½ inches, 1-3 doz. (4 kinds) in pkg ..... Doz. 16 80
119 324. **Cream Jug** height 3¾ inches, ½ doz. in pkg. ..... Doz 4 00
119 325. **Cream Jug** as above, but larger, height 5 inches, 1-3 doz. in pkg..... Doz. 8 40
119 326. **Cream Jug** as above, but larger height 6 inches Doz 16 80

No. 119/331 $24.00 doz. sets.

119 331. **Teapot, Sugar and Cream,** each set in pkg. Doz. sets $24 00
119 130. **Five O'clock,** cup and saucer, ½ doz. in pkg ..... Doz. 8 00
119 137 **Tea** Cup and Saucer, ½ doz. in pkg Doz 8 40
119/336. **Biscuit Jar,** low shape, size 6½ x 5½ inches, each in pkg ..... Doz 24 00



No. 119/328, $16.80 doz.

119 339. **B. and B. Plate,** diameter 6 inches, ½ doz. in pkg Doz. $7 20
119 328. **Cake Plate,** 9½ inch diameter, heavy gold edge, embossed in small design, each in pkg..... Doz 16 80
119/329. **Salad,** diameter 11 inches fancy embossed open work edge, each in pkg ..... Doz. 21 60
119 333. **Celery,** 12½ inch, ½ doz. in pkg Doz 14 40
119 334. **Spoon Tray,** 7½ inch, ½ doz. in pkg ..... Doz 8 40
119 335. **Bon Bon Basket,** with fancy handle, length 8 inches, ½ doz. in pkg Doz 13 00
119 338. **Comb and Brush Tray** size 12 x 9 inches, ½ doz. in pkg ..... Doz 24 00

Cattle Design

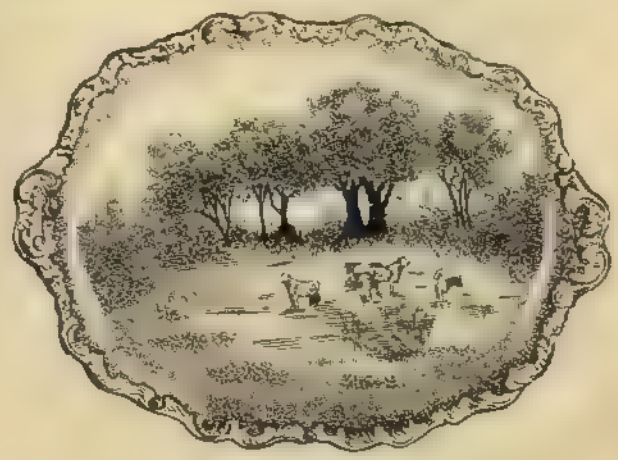
Rich brown, shaded from bottom to light centres. Hand colored cattle picture with background of trees.

No. 119/340 (six shapes assorted), $4.00 doz. No. 119/341, $4.00 doz

119 340. **Assorted Vases,** six assorted shapes, average height, 4½ inches, ½ doz. (6 kinds) in pkg ..... Doz $4 00
119 341. **Assorted Vases,** six kinds as above, but larger, average height 5 inches, ½ doz. (6 kinds) in pkg ..... Doz. 8 40
119/342. **Assorted Vases,** four kinds as above, but larger, average height 6½ inches, 1-3 doz. (4 kinds) in pkg ..... Doz. 16 80
119 344 **Cream Jug** height 3¾ inches, ½ doz. in pkg..... Doz 4 00
119 345. **Cream Jug,** as above, but larger, height 5 inches, 1-3 doz. in pkg ..... Doz. 8 40
119 346. **Cream Jug,** as above, but larger height 6 inches Doz. 16 80

No. 119/356, $24.00 doz.

119 356. **Biscuit Jar,** low shape, size 6½ x 5½ inches, each in pkg Doz $24 00
119 350. **Five O'clock** Cup and Saucer, ½ doz. in pkg Doz 8 00
119 361. **Teapot, Sugar and Cream,** each set in pkg . Doz. sets 24 00
119 352. **Sugar and Cream,** each set in pkg..... Doz. sets 13 00
119 364. **Tea** Cup and Saucer, ½ doz. in pkg..... Doz. 8 40



No. 119/357, $24.00 doz

119 357. **Comb and Brush Tray** size 12 x 9 inches, ½ dozen pkg Doz $24 00
119 348. **Cake Plate,** 9½ inch diameter, each in pkg Doz 16 80
119 349. **Salad,** diameter 11 inches, each in pkg Doz 21 60
119 353. **Celery,** 12½ inch, ½ doz. in pkg Doz 14 40
119 354. **Spoon Tray** 7½ inch, ½ doz. in pkg Doz 8 40
119/358. **Chocolate Pot,** height 9 inches, each in pkg Doz 33 60

Pots and Pedestals

"Venus." Fancy shape, blue underglaze on white body, heavy clouded gold edges and projections, gold traced floral outlines. Entire height 29 inches, diameter of pot 10½ inches.....Each **$10.00**

70/40. Majolica, finest embossed panel design in assorted shaded color combinations. Entire height 35 inches, diameter of pot 12 inches.....Each **$10.00**

104/6. Heavily embossed conventional design, panel effect in cobalt blue, white, and green tints, shading to amber at top, green tinted lining. Entire height 36 inches, diameter of pot 12 inches.....Each **$12.00**

225/13. Fancy shape handled pot, colored rose decoration on white body, shading into green at top and bottom, heavy clouded gold embossing. Entire height 30 inches, diameter of pot 13½ inches.....Each **$15.00**

70/39. Round shape, gold traced floral decoration in cobalt blue, underglaze on white ground, heavy clouded gold edge, and clouded gold on embossing. Entire height 35 inches, diameter of pot 12 inches.....Each **$16.00**

225/14. Extra large pot, fancy handled shape, conventional panel design in dark green, with gold traced outline, clouded gold edges and handles, pink rose decoration with enameled outline in imitation of hand painting. Entire height 32 inches, diameter of pot 13 inches.....Each **$18.00**

Where Package Quantity is Mentioned we cannot Supply smaller lot

"Royal Vienna" China

Tinted body, shaded in delicate colors, rich decoration of pink roses and green leaves. Heavy dull gold borders and handles as indicated by solid black parts on cuts. Every piece stamped "Royal Vienna."

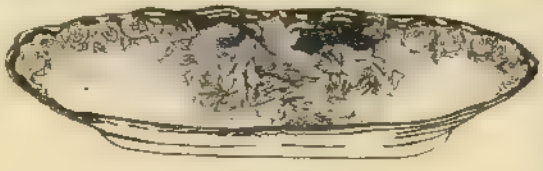
639/12. **Teapot, Sugar and Cream** size of teapot 5 x 8½ inches, each set in pkg ..... Per Set $2.80
639/13. **Sugar and Cream** as above but without Teapot, each set in pkg ..... " 1.40

No. 639/15. $6.40 doz.

639/14. **Cup and Saucer,** A.D. size, straight shape, size of cup 2⅝ x 2½ inches, saucer 4½ inches, ½ doz. in pkg ..... Doz. $7.50

639/15. **Tea Cup and Saucer,** cup 2¾ x 3⅛ inches, saucer 5¼ inches, ½ doz. in pkg ..... Doz. $8.40

639/17. **Bouillon Cup and Saucer,** two handles, cup 2½ x 4 inches, saucer 6 inches, ½ doz. in pkg ..... Doz. $12.00



No. 639/8. $12.50 Doz.

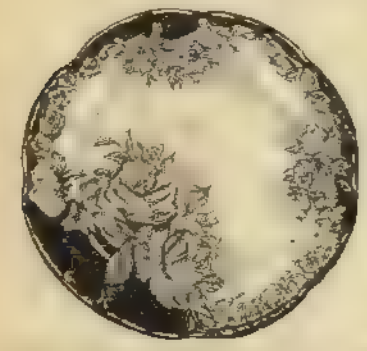
639/18. **Spoon Tray,** 9 inch, ½ doz. in pkg ..... Doz. $8.40

639/8. **Celery,** 11 inch, ½ doz. in pkg. Doz. $12.50

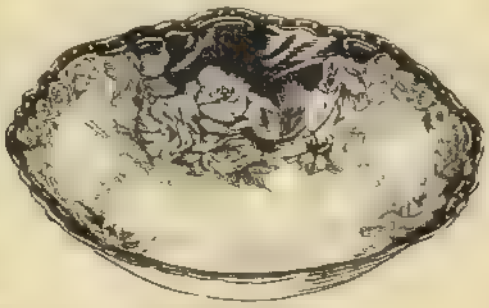
639/23. **Scalloped Jelly Dish,** 8 inch, ½ doz. in pkg ..... Doz. $8.40

639/20. **Chocolate Pot,** height 12 inches, each in pkg ..... Each $2.50

639/21. **Chocolate Cup and Saucer** cup 2½ x 3 inches, saucer 5 inches, ½ doz. in pkg ..... Doz. $5.40



639/1. **Bread and Butter Plate** 6 inch, ½ doz. in pkg ..... Doz. $4.50
639/2. **Tea Plate** 7 inch, ½ doz. in pkg ..... Doz. $7.20
639/3. **Cake Plate** 10 inch, ½ doz. in pkg ..... Doz. $8.40



No. 639/7. $16.00 Doz.

639/4. **Sauce Dish** 5½ inch, ½ doz. in pkg ..... Doz. $4.50
739/7. **Salad Bowl,** diameter 10 inches, ½ doz. in pkg. ..... Doz. $16.00

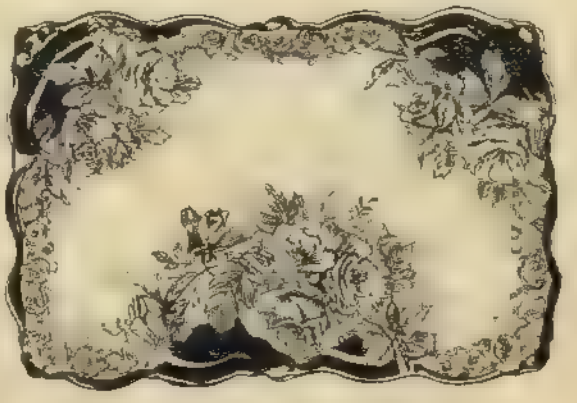
639/10. **Biscuit Jar,** low shape, size 5 x 6½ inches, each in pkg ..... Each $1.80

No. 639/5. $13.00 Doz.

639/5. **Handled Cake Plate,** 10 inch, ½ doz. in pkg ..... Doz. $13.00
639/6. **Handled Cake Plate,** large size 11 inch, ½ doz. in pkg ..... Doz. $16.80

No. 639/28. $8.00 Doz.

639/21. **Fancy Olive Dish,** 5 inch, ½ doz. in pkg. Doz. $4.00
639/27. **Shell Bon Bon,** size 5 x 5½ inches, ½ doz. in pkg. Doz. $8.50
639/28. **Bon Bon,** size 5 x 6 inches, ½ doz. in pkg. Doz. $8.00
639/9. **Footed Nut Bowl,** size 6 x 9 inches, each in pkg. Each $1.40



No. 639/11. $1.40 each

639/11. **Comb and Brush Tray,** size 8 x 12 inches, ¼ doz. in pkg ..... Each $1.40

639/32. **Covered Butter Dish** with drainer, size 6 x 7½ inches, each in pkg. ..... Doz. $13.00

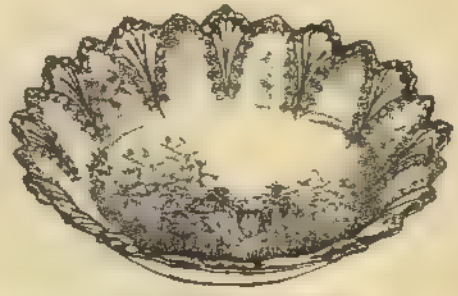
"Royal Suhl" China

Antique Landscape Series

Rich brown shaded body with beautiful assorted landscape pictures, fancy scalloped edges, heavy gold decorated

No. 3/638. (Two kinds Assorted), $8.40 dozen

3/637. **Assorted Vases,** three shapes, ½ doz. (3 kinds) in pkg. ..... Doz. $4 00
3 638. **Assorted Vases,** two shapes, ½ doz. (2 kinds) in pkg. ..... Doz. 8 40
3 639 **Cream Jug,** height 3½ inches, ½ doz. in pkg. Doz 4 00



Salad Bowl 3/635. $21.60 doz.

3 635. **Salad Bowl,** 9½ inch, each in pkg. Doz. $21 60
3 421. **Salad Bowl,** 10 inch, each in pkg. .. " 24 00
3 422. **Footed Nut Bowl,** 7 inch, ½ doz. in pkg. " 12 00
3 423. **Celery Tray,** 11 inch, ½ doz. in pkg.... " 18 00
3 424. **Oval Salad,** 13 inch, each in pkg. ... " 28 80

Chocolate Pot, 3/429. $33.60 doz.

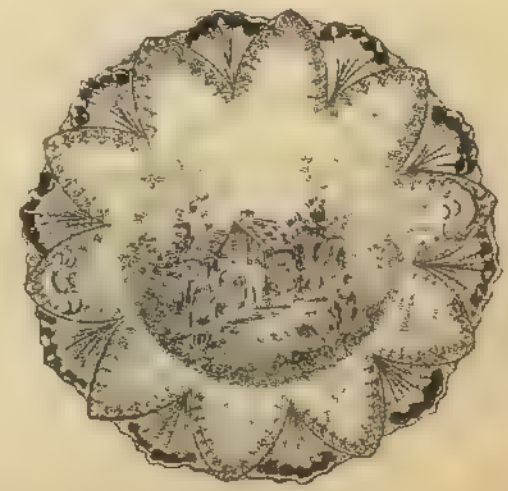
3/429. **Chocolate Pot,** 9 inches high..... Doz. $33 60
3 430. **Chocolate Cups and Saucers** . " 8 40
3 431. **Teapot, Sugar and Cream,** each set in pkg., ... Doz. sets 39 00
3 433. **Sugar and Cream,** 5 o'clock size..... Doz. 18 00
3.434. **Bread and Butter Plate,** ½ doz. in pkg. " 7 20
3/435. **Fern Pot,** with lining, 6½ inch ..... " 30 00
3 436. **5 o'Clock Cup and Saucer,** ½ doz. in pkg. Doz. 8 40
3 630 **Lemonade Tankard,** height 12 inches, each in pkg ..... Doz. 38 40

Spoon Tray, 3/426. $9.60 doz.

3/425. **Comb and Brush Tray,** size 11 x 6⅛ inches, each in pkg. Doz. $21 60
3,426 **Spoon Tray,** 8½ inch, ½ doz. in pkg. " 9 60

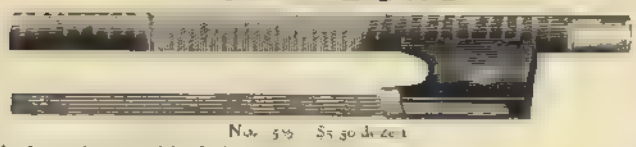
No. 3/437 $33.60 doz

3 428. **Biscuit Jar,** low shape, 8 inches diameter, each in pkg..... Doz. $33 60
3/437. **Biscuit Jar,** Tall shape, height 7½ inches, each in pkg..... Doz. 33 60
3 633. **Marmalade Jar and Plate,** height 6 inches, ½ doz. in pkg..... Doz 19 20



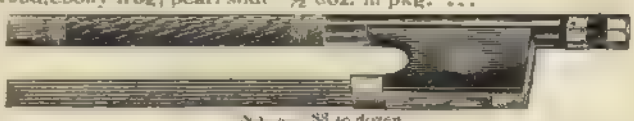
3 427. **Cake Plate,** diameter 10 inches, open handles, ½ doz. in pkg.. Doz $18 00

VIOLIN BOWS



No. 5½ $5.50 dozen

8. Beechwood, bone button, black frog, ½ doz. in pkg ..... Doz. $ 3 60
15½. Beechwood, ebony frog, pearl slide ½ doz. in pkg. ..... Doz. 5 50



No. 4 $8.40 dozen

30. Beechwood stick, ebony frog, pearl slide, German silver button, ½ doz. in pkg. ..... Doz. 8 40
437. Brazilwood, ebony frog, pearl dot and slide, German silver button and full G. S. lined, wrapped singly ..... Doz. 12 00
438. Brazilwood, ebony frog, German silver slide, pearl dot ..... Doz. 14 40

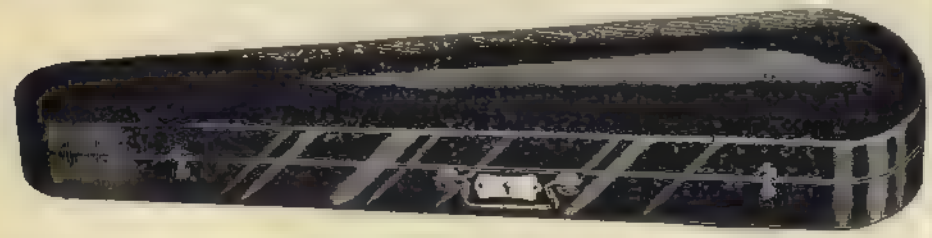
90. Brazilwood, ebony frog, pearl dot and slide, German silver button and full G. S. lined, leather wound, wrapped singly ..... Doz. 16 80

No. 22 $19.20 doz.

122. Brazilwood, stamped "Tourte" ebony frog, leather wound, German silver trimmed throughout, wrapped singly ..... Doz. 19 20
482. Genuine Pernambuco, stamped "Bausch, Leipsic," genuine ebony frog, full German silver silver trimmed, wrapped singly ..... Doz. 28 40
610. Snakewood, warranted genuine ebony frog, full German silver trimmed, highest quality, wrapped singly ..... Doz. 30 00

VIOLIN CASES

602. Marbleised cardboard case, with two supports, and loops in cover for bow, to fasten, wrapped singly ..... Doz. $4 00



0. Wood, black varnish finish, half lined, new swell shape top, patent hooks has holders for bow, and compartments for resin, strings, etc. ..... Each $2 00
1. As above, but hassock and is full lined ..... Each 2 40
1A. Shaped to instrument, ebonized finish, full lined. ..... Each 3 30

252 Shaped canvas case, leather bound edges, flannel lined with pocket for bow, resin and strings, opens at ends with strap fastening ..... Each $2 10

TAIL PIECES

No. 34. $1.60 dozen

7. Imitation ebony, plain ..... Doz. $1 00
34 Real ebony, plain Doz 1 60
36 Real ebony, plain, full size 2 40

11 Imitation ebony polished inlaid pearl flowers ..... Doz. 3 00

PEGS

7. Imitation ebony . Doz. 0 50
25 Genuine ebony, pearl dot ..... Doz. 0 70

BRIDGES

No. 24. No. 101

12. Maplewood, good quality ..... Doz. 0 50
24. Maplewood, best quality ..... Doz. 0 80
101. Maplewood, "Villaume" ..... Doz. 1 00

MUTES

12. Ebony ..... Doz. 0 80

RESIN

65. ..... Doz. 0 30
9S ..... " 0 50
12S. ..... " 0 80

CHIN RESTS

68. Nickel frame, ebony ..... Doz. 5 50

BOW HAIR

12. Siberian, finest bleach, extra long . Doz. 3 00

Mandolins

15. Mahogany and Maple, 18 ribs, brass patent heads, patent nickel plated tail piece and protector, white top, rosewood fingerboard, with position dots, inlaid around sound hole with colored woods, dark bound edge, rosewood guard plate, fine tone and finish.....Each $6.20

17. Oak and Mahogany, 11 ribs, with strip between brass patent heads, patent nickel plated tail piece and protector, white top with colored wood and celluloid bound edge, mahogany finished neck, rosewood fingerboard, position dots, inlaid around sound hole, rosewood guard plate, fine tone and finish..Each 7 50

19. Rosewood and Flamed Maple, 11 ribs, with colored inlay between, brass patent heads, oval white spruce top with variegated wood inlaid and celluloid bound edge, mahogany neck, rosewood fingerboard, pearl position dots, inlaid around sound hole, inlaid tortoise shell guard plate, patent nickel plated tail piece and protector, fine tone and finish.....Each 11 00

1205. Rosewood and Mahogany, 13 ribs with white inlay between, brass patent heads, white spruce oval top, with handsomely inlaid and celluloid bound edge, mahogany neck, rosewood fingerboard, fancy pearl position dots, inlaid around sound hole, inlaid tortoise shell guard plate, patent nickel plated tail piece and protector, fine tone and finish.....Each 13 00

Guitars

10. Imitation Mahogany, finely finished, imitation ebony fingerboard, with white inlaid position dots, two rings of inlay around the sound hole, brass patent heads, selected spruce top, good tone and finish. Each $6 00

12. Quarter Cut Oak, rosewood oval fingerboard, with inlaid pearl position dots, brass patent heads, finest selected spruce tops. A fine toned instrument well finished throughout, to sell at popular price..Each 9 50

14. Solid Mahogany, back and sides, inlaid strip down back, two rows of inlay around sound hole, mahogany neck, ebony fingerboard nicely inlaid with fancy pearl position dots, fine white spruce top, bound with celuloid, beautifully hand polished .....Each 13.00

16. Solid Rosewood back and sides, with inlaid strip down back, two rows of inlay around sound hole, solid mahogany neck, ebony oval fingerboard, nicely inlaid with pearl, fine patent machine heads, white spruce top bound with celluloid, extra fine tone and finish.....Each 21.00

Trade Discount on all Prices in this Catalogue. Terms: 5 30 days.

Violins

Our Violins are personally selected by our buyer in Saxony, and particular attention is paid to good finish and tone quality. We guarantee each individual line to be the best possible value that can be offered at the price.

No. 235. $4.00 each
Tortini

No. 34. $4.50 each
Stradiuvarius

No. 329C. $7.00 each
Stainer

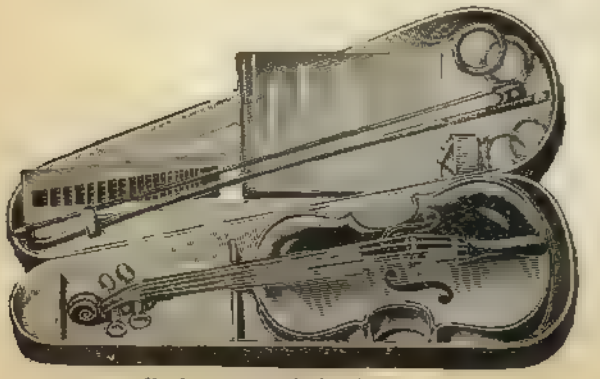
No. 209½. $5.00 each
Conservatory

6½. Cremona, full size, red color, shaded, inlaid edges, packed singly ..... Doz. $24 00
7. Hopf, good model, fine finish, red shaded, packed singly ..... Doz. 36 00
9. Salzard, light red shaded, fine polish and better finish throughout than our No. 7, packed singly . Doz. 42 00
235. Tortini, brown shaded, one piece back, imitation ebony tail piece, packed singly ..... Each 4 00
34. Stradiuvarius, amber shaded, fine finish, ebony fittings, packed singly ..... Each 4 50
209½. Stradiuvarius "Conservatory," full size, light brown shaded, ebony fittings, a splendid instrument, packed singly ..... Each 5 90

329C. Stainer, a fine production of this model, light red finish, highly polished, genuine ebony fittings packed singly ..... Each $7 00
329½. Stradiuvarius, light brown color, genuine ebony fittings, packed singly ..... Each 8 00
233. Stradiuvarius, French red color, genuine ebony fittings, packed singly ..... Each 8 00
21. Stradiuvarius, brown shaded, fine quality, genuine ebony fittings, packed singly ..... Each 8 50
246. Stainer "Academy Leipzig," a very high class instrument, packed singly ..... Each 10 50
212. Light red shaded and highly polished, genuine ebony fittings, packed singly ..... Each 14 00

Above prices are for Violins with strings and bridges only—bows are extra.

COMPLETE OUTFITS



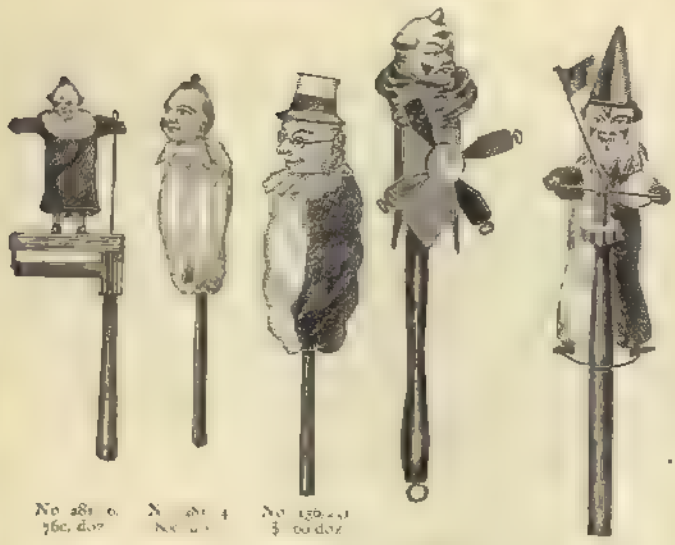
No. 1 Complete Outfit, $3.60 each.

1. Outfit. Full size "Cremona" Violin, beechwood bow, with bone buttons, marbleized paper covered case. Sixty-four page self-instruction book and self-teaching fingerboard chart. Complete with bridge, resin, and extra set of strings. Packed singly ..... Each $3 60

2. Outfit. As No. 1, but contains our "Hopf" Violin and better quality bow. Packed singly. ..... Each 4 80

3. Outfit. As No. 1, but contains our "Tortini" Violin and suitable bow to match. Packed singly ..... Each 6 50

Stick Toys



No. 281 [illegible] 75c. doz. No. 281 [illegible] No. 156-231 $ 00 doz.

[illegible] Assorted, $4.50 doz.

281/16. Cloth dressed figure on stick, revolving noisy wood cricket, wood parts stained, height of toy 11 i[illegible] 2 doz. in pkg . . . . . Doz $0 76

281/14. Clown figures on stick with bellows voice, paste heads, cloth dress, 1 doz. assorted in pkg . . . . Doz 80

156/231. Assorted Sunny Jim and Foxy Grandpa, height of toy 13 in., 1 doz. assorted in pkg. . . . . Doz 1 60

281/15. Two Kinds, one with pull string that bobs up head and revolves wheel, and other has revolving clown with bois[illegible] wood cricket, 1 doz. assorted in pkg . . . . . Doz. 2 50

NODDING HEAD FIGURES

156/226. Assortment, made of wood and plaster of Paris in bright colors, six comic figures assorted including Sunny Jim, Happy Hooligan, Alphonse, Gaston, etc., height 7½ in., 1 doz. assorted in pkg. . . . . Doz $1 70

156/258. Assortment, six kinds similar to 156/226 but larger and stouter shape, height 8½ in., ½ doz. assorted in pkg. . . . . Doz. 2 80

156/249. Assortment, similar to above, larger size, height 10 in., ½ doz. assorted in pkg. . . . . Doz. 4 00

String Toys

634 8. Assortment, 12 kinds, negros, clowns, policemen, soldiers, animals, birds, etc., wood body, painted in bright colors, with moving arms and legs, operated by string, average height 4½ inches, 1 doz. assorted in pkg. . . . . Doz. $1 60

EXTENSION TOYS

Also known as "Scissor" Toys

12/140. Three kinds, Indian head, frog head, and Red Riding Hood, fancy colored cloth costumes extend from 7 in. size to 17 in., 2 doz. assorted in pkg. . Doz. $1 60

PERFORMING GYMNASTS

281/46. Two kinds, assorted, clown and girl, cloth costumed figures on horizontal bar, worked by means of wire handle, 1 doz. in pkg. . Doz. $2 50

Where Package Quantity is Mentioned we cannot Supply smaller lot

"Tornado" Glass Assortment

"Tornado" Bargain Assortment, comprising ½ dozen each of twenty articles as illustrated, made up as follows —

1½ doz.	Butter Dishes, 3 styles	½ doz.	Oval Bread Tray
½ "	Covered Sugar Bowls	½ "	Square Candy Plate
½ "	Tall Cream	½ "	Footed Jelly
½ "	Spoon Holder	½ "	Footed Preserve
½ "	Berry Sugar, 2 handles	½ "	Flower Vase
½ "	Berry Cream	½ "	Rose Bowl
1 "	6-inch Bowls, 2 styles	½ "	Tumbler
½ "	Celery Tray	1 "	Goblets, 2 styles

As may be readily seen from the above list many articles in our "Tornado" assortment are regular fifteen cent items and the entire absence of small or useless pieces makes it the best value we have ever offered for the ten cent bargain table. All pieces are full size and the patterns are the latest deep cut designs in the market. Total 10 dozen in barrel. Sold only in full barrel lots .....(10 doz. in barrel)..Doz. **$1 52**

Where Package Quantity is Mentioned we cannot Supply smaller lot

Glass Sets in Bargain Package

Table Set (in assortment) $0 54

Table Set (in assortment . .. $0 54

The Footed Jug Water Set (in assortment).. $0 75

Half Gallon Tankard Set (in assortment.... $1 00

Berry Set, 7 pieces (in assortment ..46c

Berry Set, 7 pieces (in assortment)..46c

Berry Set, 7 pieces (in assortment) .50c

"Queen" Set Assortment

A splendid assortment of sets, comprising 6 Table Sets, 6 Water or Lemonade Sets and 6 Berry Sets. All full size pieces including 8 inch Berry Bowls and 4 inch Nappies in all Berry Sets. Assorted in three new deep cut patterns.

For a small investment this assortment offers the largest possible variety of staple selling Glass Sets and at prices as low as could be secured if a full barrel of each article were bought.

Sold only in Full Barrel Assortment as Listed.

1/6	Table Set, 4 piece... .. .	$0 50	$1 00
1/6	" "	54	1 08
1/6	" "	54	1 08
1/6	Water Set, 7 piece, Footed Jug	75	1 50
1/6	" " ½ gallon Tankard Jug..	90	1 80
1/6	" " " " ..	1 00	2 00
1/6	Berry Set, "	46	92
1/6	" " . .	46	92
1/6	" "	50	1 00
18 Sets		Total for barrel	$11 30

Trade Discount on all Prices in this Catalogue. Terms: 5 30 days

Celluloid Rattles

No. 708/4. $1 60 doz.

No. 708/2. $1 60 doz.

No. 708/29. $4.00 doz

708/4. Double face rattle head, with teething ring, assorted blondes and brunettes, 1 doz. in pkg. Doz. $1 60

708/2. Double face head rattle, with twisted celluloid handle, assorted blondes and brunettes, 1 doz. in pkg. Doz. 1 60

708/29. Assorted comic heads, with teething ring and horn, ½ doz. assorted in pkg Doz. 4 00

708/11. Assorted laughing and comic faces, twisted celluloid handle, ½ doz. assorted in pkg Doz. 4 00

708/12. Assorted pebbled and spiral ribbed, fancy colored, celluloid twisted handles, ½ doz. assorted in pkg Doz. 4 00

CELLULOID HORNS

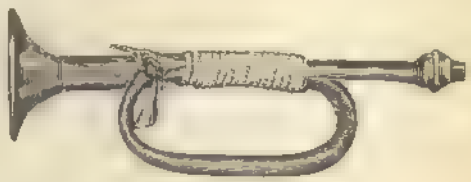
708 21 Horn shape, white celluloid, double reed music, fancy cord and tassels, length 9 inches, ½ doz. in pkg Doz. 4 00

714 13. White celluloid, with colored bell end, fancy cord and tassels, length 13 inches, ¼ doz in pkg Doz. 8 40

Celluloid Trumpets

No. 708/14. $1 60 doz

708 14 White ribbed celluloid, with colored bell and fancy colored cord, length 5 inches, 1 doz. in pkg. Doz. $1 60

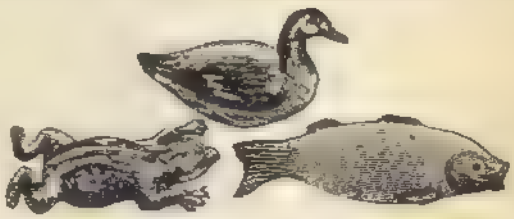


No. 708/16. $4 00 doz

708 16. White celluloid, double reed horn, colored bell end, fancy colored cord and tassels length 9 inches, ½ doz. in pkg Doz 4 00

714 8. As 708 16, but larger size, length 16 inches, ¼ doz. in pkg Doz. 8 40

CELLULOID SWIMMING TOYS



Made of celluloid, finely modeled and colored. Assorted 1 fish, 1 frog, 2 swans and 2 ducks.

490 5 Size of fish, 3 inches, ½ doz. assorted in box.. Doz. $ 1 60

490 6 Size of fish, 3¼ inches, ½ doz. assorted in box. Doz. 2 50

490 7. Size of fish, 5 inches, ½ doz. assorted in box.. Doz. 4 00

490 8 Swans and Ducks assorted, size 5¼ x 4¼ in., ½ doz. assorted in pkg Doz. 10 80

WOOL RATTLES

403 60. Mallet shape rattle, with bells and finger loop, assorted colors on wood, 1 doz assorted in pkg Doz. 1 60

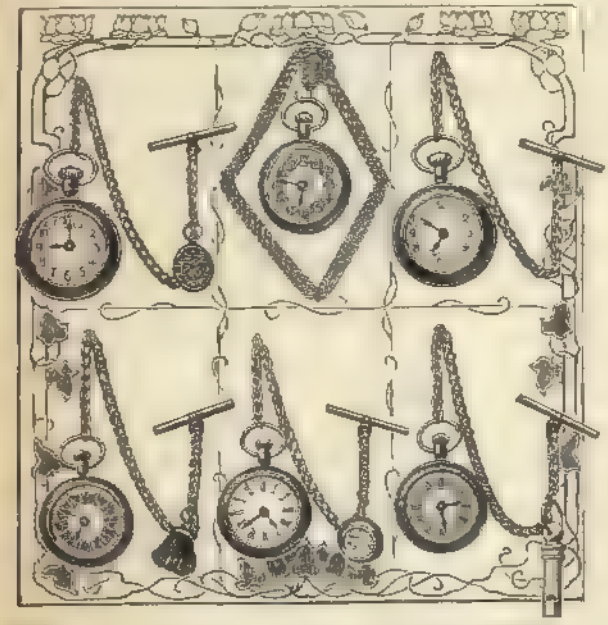
403 61 Large size worsted rattle, 3½ in. dia., has linen gauze doll face on one side, ½ doz, assorted colors in pkg Doz 2 20

Where package quantity is mentioned we cannot supply smaller lot

Toy Watches

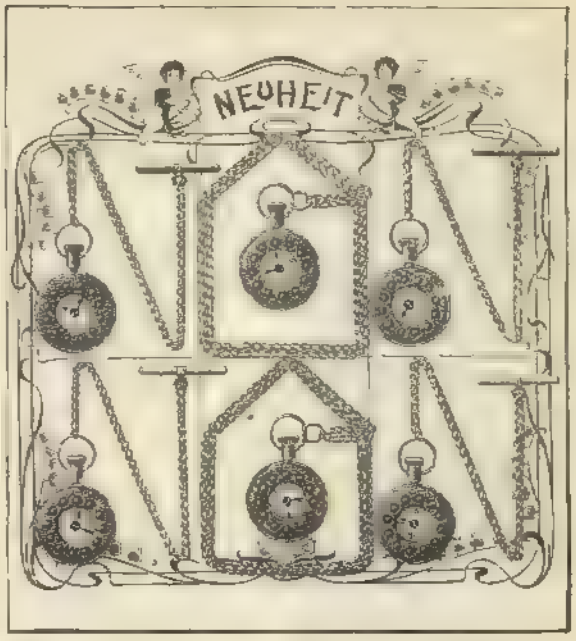
No. 137/44. $2.00 gross. No. 137/38. 66c doz.

137/44. One cent special, gilt, small size, with chain, 1 gross in pkg.....Gross $2 00
137/37. Boys' style, silver, medium size, with vest chain, 1 doz. on hanger.....Doz. 50
137/38 As 137/37, but larger, 1 doz. on hanger.....Doz. 66



137/46. Assorted gilt and silver, boys' and girls' styles, some with vest chains and charms, and some with neck chains, ½ doz. on card, 2 cards in box.....Doz. $0 76

137/51. Chatelaine watch, small size, assorted gilt and silver, jewel back case, assorted crescent and star jewel studded chatelaine brooches, ½ doz. on card, 2 cards in box.....Doz. $0 80



138/48. Assorted gilt and silver, boys' and girls' styles, assorted vest and neck chains, ½ doz. on card, 2 cards in box.....Doz. $0 80

137/43. Assorted gilt, silver and gun metal finish, medium size, assorted chains, ½ doz. assorted on display card, 2 cards in box.....Doz. $1 50

No. 137/45. 70c. doz.

No. 61/1368. $1.00 doz.

137/45 Large size, boys' watch, gilt finish, long close link vest chain with cross bar and snap, 1 doz. on metal display hanger.....Doz. $0 70
61/1368. Large size, gilt, boys watch with assorted dials and assorted vest chains, each on card, 1 doz. in pkg.....Doz. 1 60

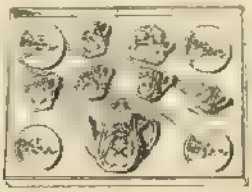
Toy China Tea Sets

No. 9/200. 70c. doz.

No. 9/202. $1.60 doz.

9/200. 7 china pieces and 2 spoons, size of box 5¼ x 3¾ in., 1 doz. in pkg .....Doz. $0 70

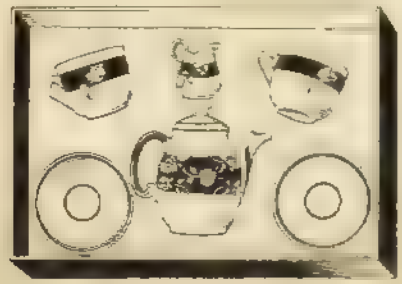
9/202. 10. special, 8 large pieces, decorated in colors and gold, size of box 8¼ x 5¾ in., 1 doz in pkg.....Doz. 1 60



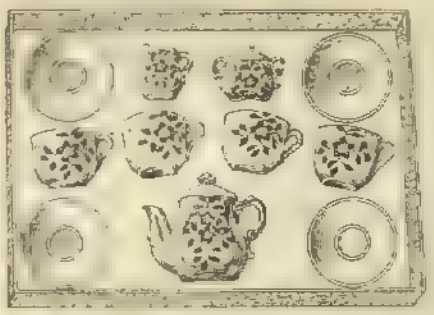
9/203. 12 large pieces, decorated in two colors and gold, size of box 9½ x 6½ in., ½ doz. in pkg..Doz. 2 50

9/205. 22 pieces, decorated in two colors and gold, size of box 11¼ x 8½ in., ½ doz. in pkg. ....Doz. 3 60

30/1. 17 pieces, with rose decoration in four colors and gold and 6 spoons, size of box 11½ x 8 in., ½ doz. in pkg .....Doz. 4 00



9/206. 7 extra large pieces, decorated with flowers on heavy solid gold band, gold line edges, size of box 11 x 7½ in., ½ doz. in pkg.....Doz. 4 00



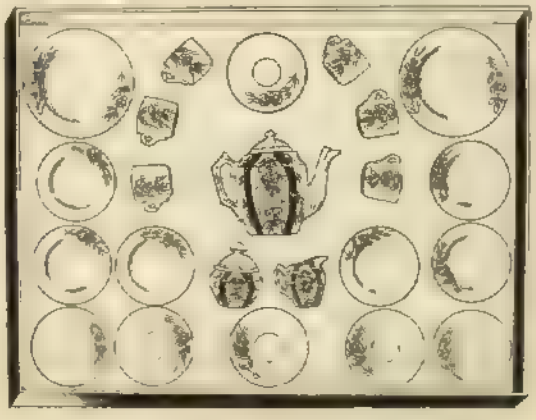
No. 9/207. $4.00 doz.

9/207. 12 well shaped pieces, decorated in colors and gold, size of box 11 x 7½ in., ½ doz. in pkg .....Doz $4 00

9/208. 12 extra large pieces, decorated with flowers and gold line edges, size of box 13 x 9½ in .....Doz. $6 50

30/6. 19 large pieces, has both tea and coffee pots and decoration is a very pretty rose, and six spoons, size of box 15 x 11¼ in .....Doz. $8 00

9/209. Special Value, 15 large places, decorated with flowers, and tinted in colors, gold line edges, size of box 16 x 11 inches.....Doz. $ 8 50



No. 3/702. $12.00 doz.

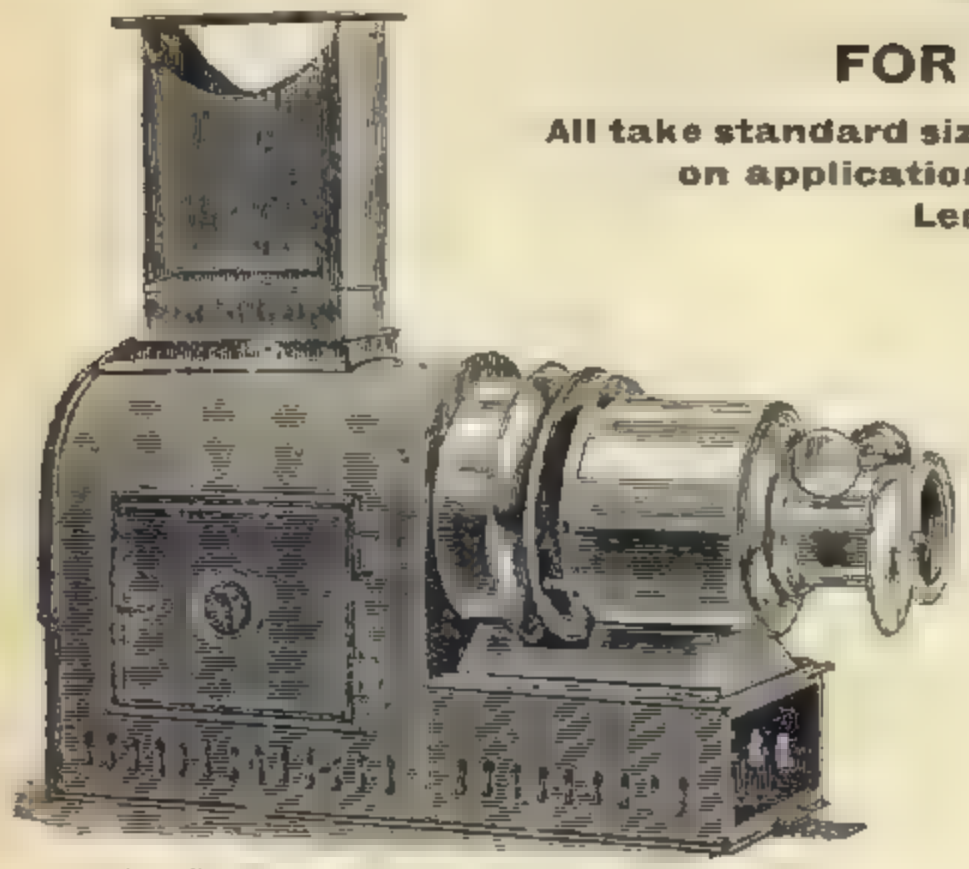
3/702. 25 piece set, decorated with heavy gold bands and colored flowers, covered sugar and two cake plates, size of box 15½ x 11½ in.....Doz. 12 00

9/211. 22 extra large pieces, open sugar, decorated with color tints, flowers and gold, gold line edges, size of box 18 x 13 in .....Doz. 16 80

Magic Lanterns

FOR EXHIBITION PURPOSES

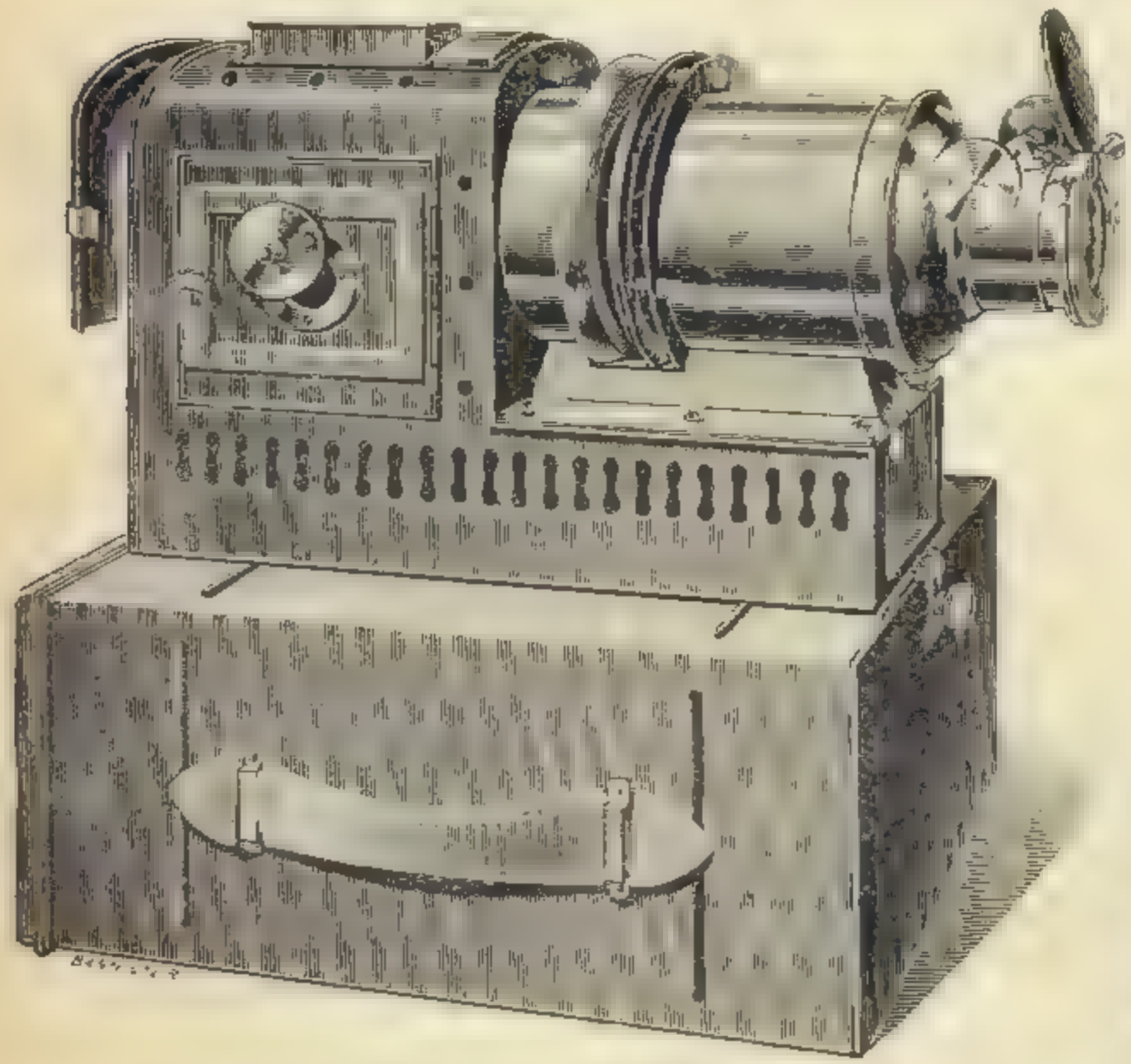
All take standard size 3¼ inch square slides. Subjects in stock quoted on application. Each Lantern in Russian iron case with Leather Handle, as in Cut of No. 15.



No. 7D. Complete with four-wick lamp, $27.00 each

7A. Heavy japanned tin body with brass work of polished optical work. Condenser is 4 in. dia mounted on strong brass cell, with screwed rings, well finished, bronzed and lacquered. Complete with double Combination Achromatic Lenses (2 inches diameter) fitted into a polished brass mount with a single milled head, to the pinion of the rack adjustment. Has of Russian iron, with three wicks and silvered reflector and 1-draw Russian chimney ... **Each $16 00**

7D. Body of Russian iron, with brass front tubes. Has stout brass cell, with screwed rings, bronzed and lacquered, and which holds the 4-inch dia. Compound Plano-Convex Condenser. Machine is fitted with 2-inch Double Combination Achromatic Lenses (6 inches equivalent focus), fitted into brass mount, polished, with single milled head, to the pinion of the rack adjustment. Has four wick Russian Iron Lamp, wick 2 inches wide, with silvered reflector, blue glass sight hole and three length extension chimney..... **Each $27 00**



No. 15. Complete with four-wick lamp. $54.00 each

15. Body of Russian Iron, with doors on each side, brass eye-pieces and shutters. All brass stage, with all brass front tubes, which is mounted on heavy brass base, which slides on front foot between brass guides. Has 4-inch Compound Plano Convex Condenser mounted in heavy brass cells, bronzed and finely finished. Has 2-inch Double Combination Achromatic Lenses, fitted into a polished brass mount with double milled head to the pinion of the rack adjustment. Has brass hinged flap shutters, and slot to take colored glasses for tinting slides. Has four-wick Russian Iron Lamp, wicks 2 inches wide, with silvered reflector, blue glass sight hole and three length extension chimney..... **Each $54 00**

Lantern Slides

Glass Chimneys for Magic Lanterns

2.	Dia. of bottom 1 in.	Doz.	$0 40
3.	Dia. of bottom 1⅝ in.	"	50
3S.	Dia. of bottom as 3, but low shape	"	50
5.	Dia. of bottom 1½ in.	"	80

Magic Lantern Wick

Size 2¼, inch ... 15c doz. Size 3⅜, inch ... 50c doz.

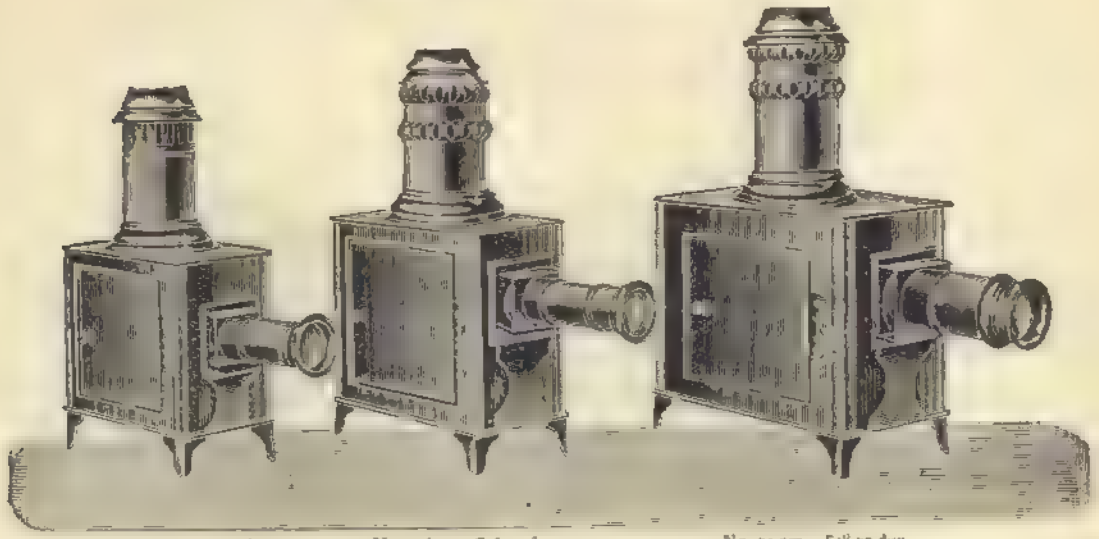
Slides of Canadian Scenery

Standard 3¼ inch square slides. A superb collection of photographic slides of Canadian scenery and points of interest from ocean to ocean, nearly 100 views in the series Doz $6 00

Assorted Comic and Scenic Pictures

1½	inches wide, 1 dozen in pkg.	Doz.	$0 30
1¾	" " 1 " "	"	40
1½	" " 1 " "	"	50
1¾	" " 1 " "	"	70
2	" " 1 " "	"	80
2¼	" " 1	"	1 30
2½	" " 1 " "	"	1 60
2¾	" " 1 " "	"	1 80
3	" " 1 " "	"	2 00
3¼	" " 1 " "	"	2 10
3¾	" Square Lithographic	"	2 50
3¼	inch Square Russo Japanese War Scenes, photographic, extra fine quality, large assortment of views	Doz.	9 60

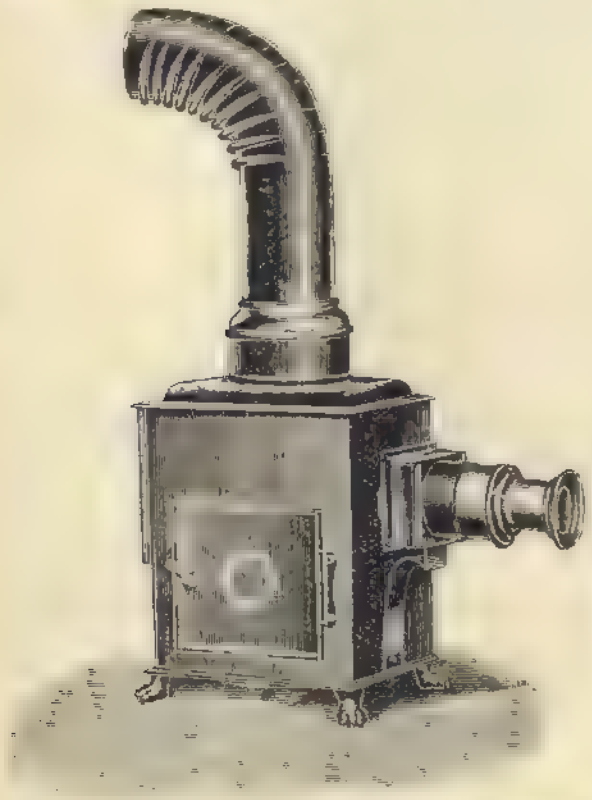
Magic Lanterns



No. 99/548. $20.40 doz. No. 99/549. $36.00 doz. No. 99/550. $48.00 doz

Russian iron body, trimmed in brass nickel and brass lens tubes, fine quality lens that shows splendid picture for low priced lanterns

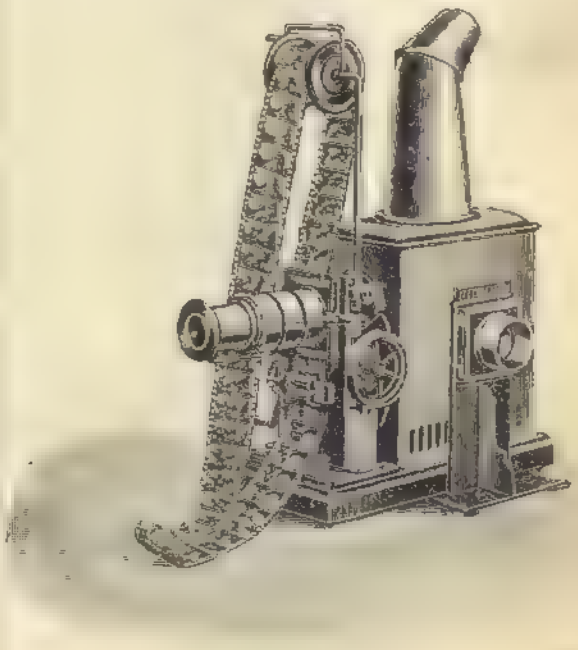
99/548.	Height 11½ inches, body 6½ x 6½ inches, takes 3¼ inch slides, each in box	Doz.	$20.40
99/549.	Height 13 inches, body 7½ x 7½ inches, takes 3¼ inch slides, each in box	"	36.00
99/550.	Height 15 inches, body 8½ x 8½ inches, takes 4 inch slides, each in box	"	48.00



Fine Russian iron body, new style "Duplex" lamp with reflector, fine quality lens with nickel trimmings, each in large cover wood box, with 12 long slides and one Chromatrope moving slide.

99/666	Height 16 in., takes 1½ in. slide						Each	$ 5.00
99/667.	" 17 " " 1¾ " "						"	6.00
99/668.	" 18 " " 2¼ " "						"	8.00
99/669.	" 19 " " 2¼ " "						"	10.00

Cinematographs



No. 99/645. $10.00 each.

99/644 Cinematograph, combination moving picture machine and magic lantern. Fine quality Russian iron body, strong and serviceable shutter mechanism with brass lens tubes. The whole mounted on handsome wood base size 11 x 10 inches, each in box, complete with lamp, 3 moving picture films and 12 long slides .. Each $6.50

99/645. Similar to above but larger, size 13 x 9 inches, having 6 moving picture films and 12 long slides, each in box complete ..... Each 11.00

Where package quantity is mentioned we cannot supply smaller lot

Miniature Music Boxes

Swiss Movements

596/4. Round shape, nickel plated, picture top, crank wind, picture, alphabet and name of tune on bottom, size 2½ in. diameter, each in box. ...Doz. **$8.00**

596/6. Round shape, nickel plated, picture top, crank wind, picture, alphabet and name of tune on bottom, size 3 in. diameter, each in box. .....Doz. **$12.00**

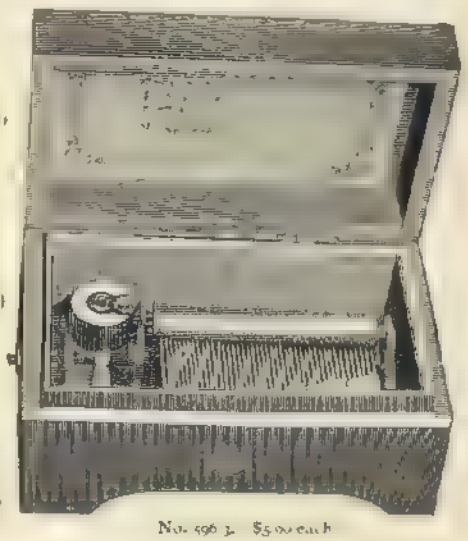
596/9. Two airs, oblong shape, polished hardwood case, with picture top, crank wind. Fancy picture and names of tunes on bottom, size 5 x 3½ x 2½ in., each in box.....Doz. **$16.00**

No. 596/2. $2.50 each

596/1. **Two Airs.** Clockwork mechanism, hinged cover and glass inner cover over movement, natural finished hardwood case, button on front, size 4¼ x 3¼ x 2¼ in..... Each $2 50

596/2. **Two Airs.** Fine clockwork mechanism, highly polished hardwood case, picture top, glass inner cover over movement. Winding key on bottom and start and stop button on front, size 4¼ x 3¼ x 2¼ in ...Each 3 50

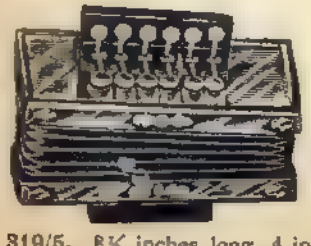
596/3. **Three Airs.** Fine clockwork mechanism, highly polished walnut case, with fancy inlaid shield and border on top, inner glass cover over movement. Winding key on bottom and start and stop button on front, size 4¼ x 3¼ x 2¼ in.....Each 5 00



No. 596/3. $5.00 each

Toy Accordions

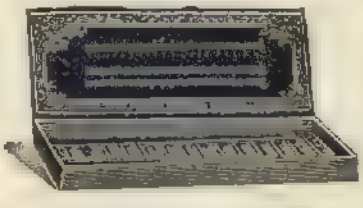
319/1. 4¼ inches long, 2½ inches wide, four keys and three bellows, 1 doz. in pkg....Doz. $1 60



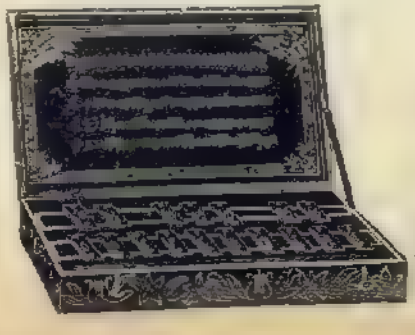
319/4. 6 inches long, 3¼ inches wide, has five keys and one bass key, three bellows, ½ doz. in pkg.. Doz. 4 00

319/5. 8¼ inches long, 4 inches wide, has eight keys, two basses and stop, keyboard black enamelled wood, canvas tape grips—four fold bellows.... .....Doz. 8 40

Metallaphones



332/19. Fourteen notes, in perfect chord, fancy picture cover, with music on inside, two strikers, size 15 x 5½ in., ½ doz. in pkg.....Doz. **$4.00**



332/21. Twenty nickel plated notes with sharps in separate row, handsomely lithographed box with music in cover, size 18 x 8¼ in. each in pkg .....Doz. **$14.40**

Toy Swords

99/194 $4 00 doz.

14/750. 80c. doz.

99/1474. $1.30 doz.

99/1476. $2.40 doz.

99/1473. $1.80 doz.

14/735. $6.00 doz.

ALL ARE WITH GUARDED HANDLE AND BELT

14/750. Metal sword with scabbard japanned in colors, length 18 in., 2 doz in pkg. ..... Doz. $0 80

99 1474. Metal blade, black handle, fancy japanned scabbard, length 19 in., 1 doz. in pkg., good value at 10 cents retail ..... Doz. 1 30

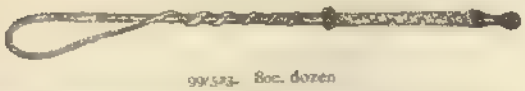
99 1476. Similar to above, but has bright nickel finished scabbard, 1 doz in pkg. Doz 2 10

99 194. Metal blade, black handle, fancy lithographed guard, nickel scabbard with white belt, each on card, length 25 in. ..... Doz. 4 00

14/735. As above, but better quality ..... Doz. 6 00

TOY WHIPS

Length does not include lash



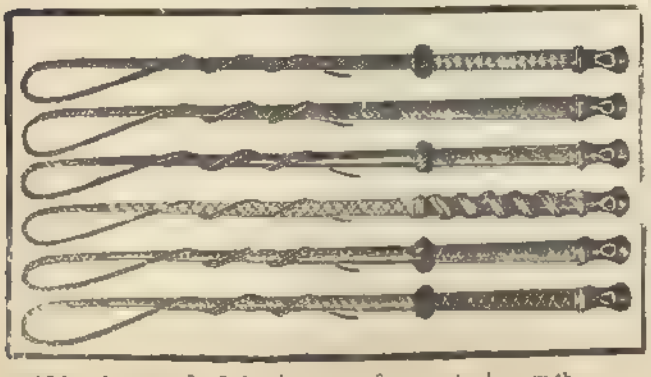
99/523. 80c. dozen

99 522 Fancy colored stock with plaited lash, entire length 18 in., 1 doz in bundle Doz $0 70

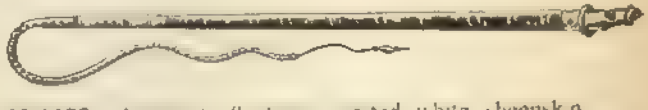
99/521. Varnished wood stock, plaited lash, length 26 inches, 1 doz. in bundle ..... Doz. 76

99/528. Black and white stock and lash, whistle, length 21 in., 1 doz. in bundle ..... Doz. 80

On Cards



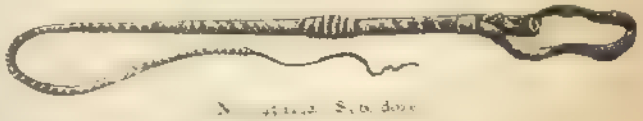
99 284. Assorted, 6 kinds, very fancy stocks, with whistle, length 26 inches, 1 doz. assorted on card ..... Doz. $1 60



99 1466 Assorted, 6 styles, plaited white sheepskin lashes, length 30 inches, ½ doz. assorted on card Doz. $3 00

393/96. Fancy celluloid handle, cane stock, plaited lash, length 30 inches. ½ doz. in pkg ..... Doz. $4 00

Dog Whips



No. 393/115. $1.60 doz.

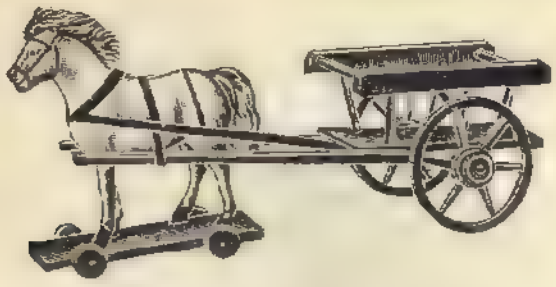
393/115. Cane Stock, with whistle, plaited leather lash, length 21 inches, 1 doz. in pkg ..... Doz. $0 76

393/116. Plaited leather stock and lash with wrist loop, length 25 inches, 1 doz. in pkg ..... Doz. 1 00

393/1242 Assorted, plaited leather and woodstock colored and plain, with whistle in end and loop for wrist, length 30 inches, 1 doz. in pkg ..... Doz. 3 00

Where Package Quantity is Mentioned we cannot Supply smaller lot

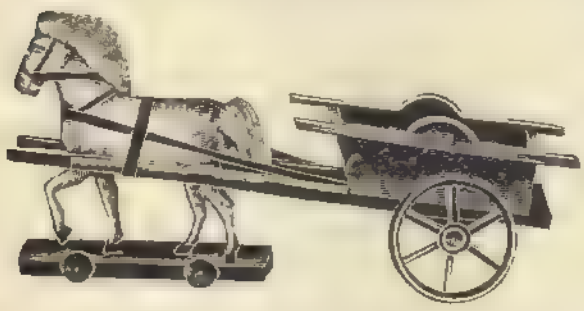
Horses with Carts



No. 28149. Assorted. $2.50 dozen.

28149. Papier-Mache Horse on platform, assorted hay carts and sand carts, natural wood finish, spoke wheels. Entire length 11 inches, ½ doz. assorted in pkg.....Doz. $2 50

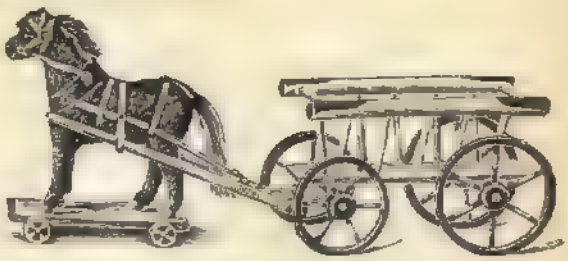
156 255. Similar to above but larger size, horse and sand cart stained in red and green. Entire length 12 inches, horse 6 inches high, ½ doz. in pkg., Doz. 3 00



156/256. Papier-Mache Horse on platform, with metal wheels, cart painted in four colors. Entire length 13 inches, horse seven inches high, ½ doz. in pkg.....Doz. $ 4 50

156 217. Plush Horse on platform, with iron wheels, leather harness, painted cart. Entire length 13½ inches, ½ doz. in pkg.....Doz. 6 50

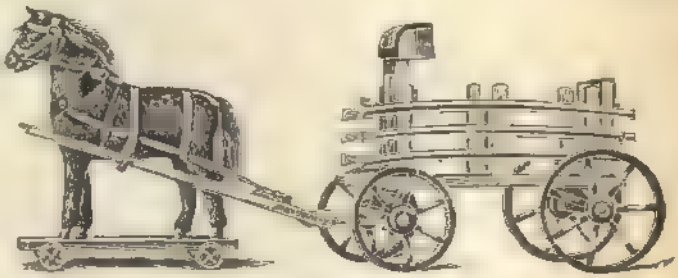
156 218. Plush Horse on platform with iron wheels, leather harness, carts painted in three colors. Entire length 10 inches, ½ doz. in pkg.....Doz. 9 00



156/220. $13.00 dozen.

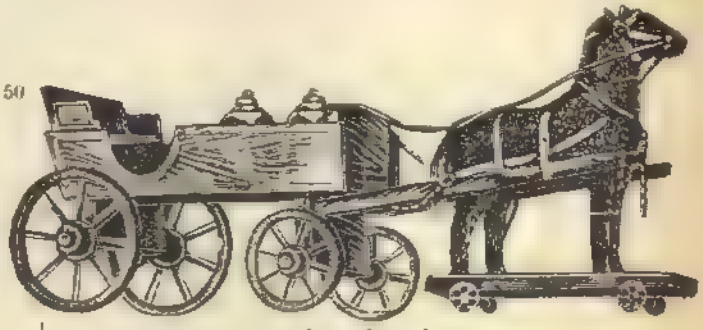
156,220. Plush Horse on platform, with iron wheels, leather harness, hay wagon painted in three colors. Entire length 10 inches, ¼ doz. in pkg. Doz. $13 00

156,221. As above, but with two horses, ⅙ doz. in pkg.....Doz. 18 00



156 223. Large Plush Horse on platform with iron wheels, leather harness, stake truck, painted and striped. Entire length 25 inches, each in pkg., Doz. $24 00

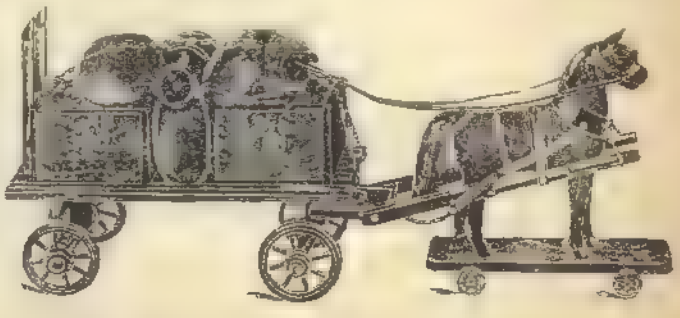
156 224. As above, but with two large horses, each in pkg.....Doz. 33 00



156/219. $12.00 dozen.

156 219. Plush Horse on platform, with iron wheels, leather harness, painted and striped milk wagon with two milk cans. Entire length 19 inches, ⅓ doz. in pkg.....Doz. $12 00

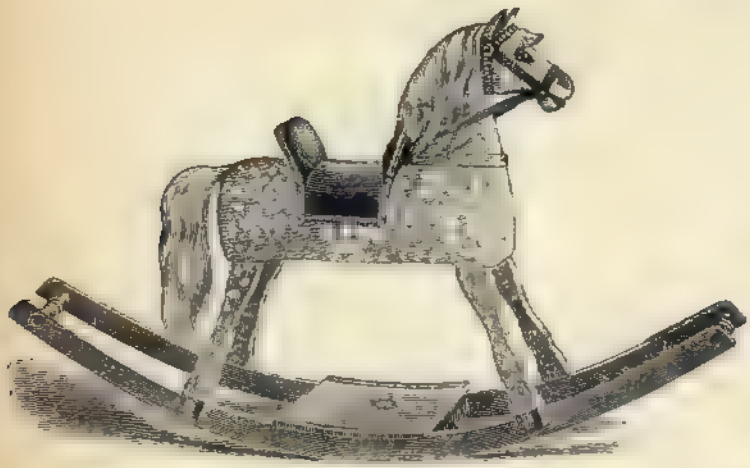
156/222. As above but larger size and has two horses, ⅓ doz. in pkg.....Doz. 18 00



431/24. Loaded Truck. Plush horse on platform with iron wheels, leather harness, painted and striped truck wagon loaded with one case, one barrel and one bale unloading ladder, slide and chain. Entire length 24 inches. Each in pkg.....Doz. $24 00

Trade Discount on all Prices in this Catalogue. Terms: 5 30 days

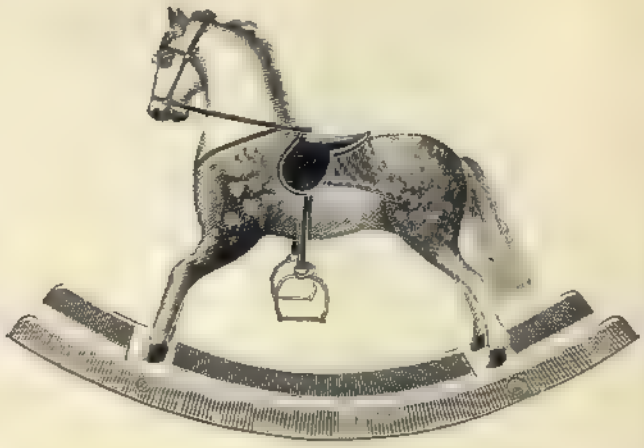
Wood Rocking Horses



(Cut should show stirrups)

1¼. Well-shaped body, dapple grey, thug legs, red painted rocker, cloth covered Mexican saddle, leather stirrups, hair tail, height of horse 20 in., length of rocker 43 in., packed ¼ doz. in crate, K.D.. Doz. $28.80

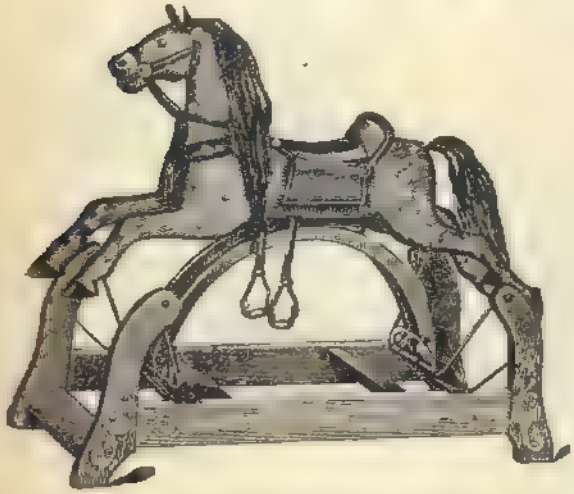
3. As above, but larger size and better shape and trimmings, height to top of saddle 22 inches Doz. 45.00



119/6. Finely modelled wood body, painted dapple grey, rockers natural wood varnished, hair tail and mane, red saddle cloth, saddle block glaze finish with leather stirrups and reins, height from floor to saddle 18 in., each packed separately..... .....Doz. $48.00

119/7. As above, but larger size, height to saddle 19½ in., each packed separately..... ..... Doz. 66.00

Swing Rocking Horses

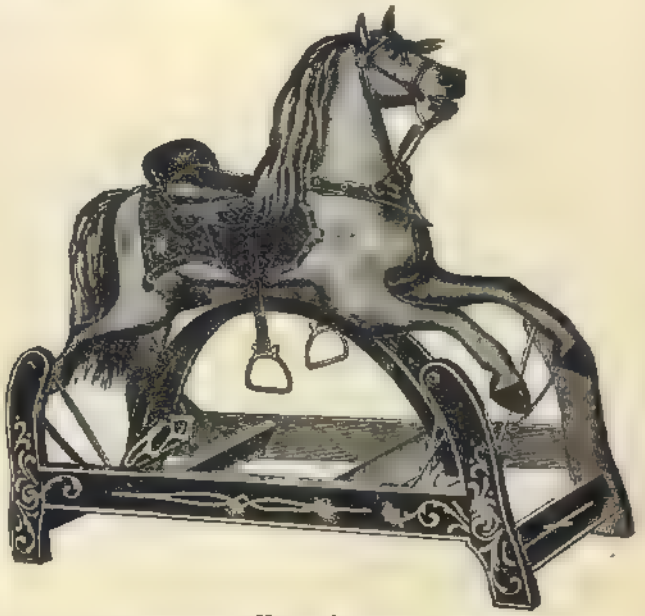


No. 10. $8.00 each

9. Wood body on brightly painted wood frame platform, reinforced with metal braces, mane and tail of real hair and colored bridle reins, is fitted with upholstered cloth saddle, metal stirrups on leather straps, metal swing rods, length of platform 36 in., height of saddle 23 in. from floor.. .... $ 6.50

10. As No. 9, but has leather bridle reins, and horse is larger, saddle being 26 in. from floor .. Each 8.00

22. Real Skin Covered, with fine quality saddle and bridle, otherwise as No. 10.....Each 17.00



No. 12. $12.00

12. As No 9, but has much finer fittings, horse having an upholstered leather saddle with push back and saddle skirt, horse has glass eyes and iron shoes, height 25 in. from floor to top of saddle..... Each $13.00

13. As No 12, but larger size, height from floor to saddle 27 in..... .....Each 17.00

14. As above, but larger, height from floor to saddle 33 in..... .....Each 20.00

Trade Discount on all Prices in this Catalogue. Terms: 5% 30 days

Toy Stables

791. Constructed of wood and handsomely lithographed in colors, papier mache horses and lithographed cart, hinged loft door and lifting chain. Size 13 x 8 x 4½ in. Each wrapped separately.. Doz **$12.00**

792. Constructed of wood and handsomely lithographed in colors, large paper mache horse and iron-wheeled cart, hinged loft door and lifting chain. Size 18x 12 x 6½ in. Each in box . . . . . .Doz. **$26 40**

793 A handsome large stable with two stalls and carriage room, two large horses and cart, extra large loft with hinged door and lifting chain. Size 21 x 17 x 8 in. Each set up complete and boxed separately. Each **$3.60**

Stock Farms

Made of wood colored to imitate brick. Roof is detachable. Wooden animals and fowls, printed in colors and made to stand. Neat farm wagon and work horse furnished with Nos. 751 and 752.

No. 751. $12 00 dozen.

750. Length 10¼ in., width 6 in., height to roof 8¼ in., height to cupola 10 in. Each in box.....Doz. $ 6 00

751. Length 13½ in., width 7 in., height to roof, 10¼ in., height to cupola 13 in. . Doz. 12 00

752. Length 20½ in., width 13½ in., height to roof 16¼ in. height to cupola 20¼ in. Barn has basement and inclined platform leading to barn door Doz. $20 40

Tin Trumpets

No. 99/317 70c. dozen

99/536. Assorted, fancy colored, with china mouthpiece, length 8¾ inches, 2 dozen in pkg.....Doz. $0 40
99/316. Assorted, fancy colored, with china mouthpiece, length 9 inches, 1 dozen in pkg.....Doz. 60
99/317. As above, but length 10 inches..... " 70

99/319 Assorted, fancy colors, china mouthpiece, length 12¾ inches, 1 dozen in pkg.....Doz. $0 84
99 320. As above, but length 14 inches..... " 1 30

99 321. Special value, assorted, lithographed, fancy colors, with china mouthpiece and with nicely colored cord and tassel. **Is 18 inches long.** 1 dozen in pkg..... Doz. $1 60

NICKEL

No. 99/308. $1.60 dozen

99 305. Nickel, fancy cord and tassel, length 9½ inches, 1 dozen in pkg.....Doz. $0 80
99 308. As above, but length 13 inches. 1 dozen in pkg.....Doz. 1 60

No. 99/306, $1.30 dozen

99/542. Stout shaped, nickel, length 6 inches, colored cord, 1 dozen in pkg.....Doz. $0 70
99/334. As above, but is 8½ inches long..... " 1 30
99/307. As above, but has china mouthpiece and is 10¾ inches long, 1 dozen in pkg.....Doz. 1 60

99/700. Stout shaped, nickel, with fancy cord and tassel, length 18 inches, ½ dozen in pkg.....Doz. $3 00
99/701. Nickel, fancy tassel and cord, length 17 inches, diameter at base 4 inches, ½ dozen in pkg.....Doz. 4 00

Fancy Trumpets

No. 99/705 $3.50 dozen

99 1405. Japanned in fancy colors, double reed, length 11½ inches, 1 dozen in pkg.....Doz $2 50
99 707. As above, but is 15 inches long, ½ dozen in pkg.....Doz. 3 50

138/46. Horn shape, japanned in rainbow colors, fancy cord and tassel, double reed, length 9 inches, 1 dozen in pkg.....Doz. $1 60

138/47. Horn shape, beautifully japanned in rainbow colors, fancy tinsel cord and large tasse, double reeds with two finger holes, length 15 inches, ½ dozen in pkg.....Doz. $4 00

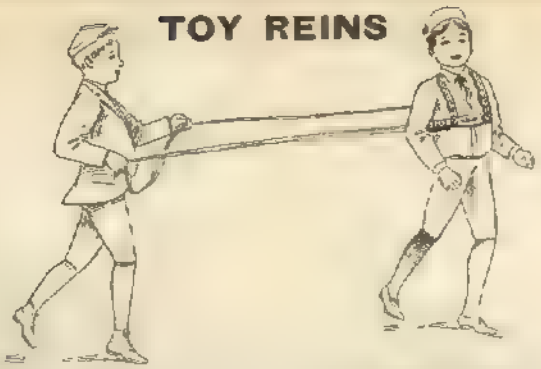
COW HORN TRUMPETS

138/34. Natural colored horn with metal bell, mouthpiece and chain, length 7½ in., 1 doz. in pkg .Doz. $1 60

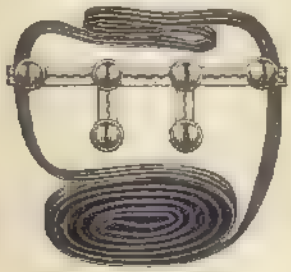
138/36. Natural color cow horn with metal bell, mouthpiece and chain, length 11 in., ½ doz. in pkg..Doz. $3 70

TOY REINS

No. 410 $1.60 dozen



No. 403 $4.00 dozen



No. 082/4 $2.40 dozen.

410. Fancy bound white leather breast piece, colored web, three bells, 1 doz. in pkg..... Doz. $1 60

082/3. Fancy red and white leather all through, two bells on breast piece, 1 doz. in pkg..... Doz. 2 40

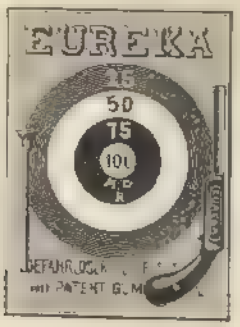
082,4. Fancy bound breast piece, with six ¾ inch bells, red, white and blue web, 1 doz. in pkg..... Doz. 3 20

403. White Enameled Leather. Fancy leather breast piece, three bells, ¾ in., 1 doz. in pkg..... Doz. 4 00

082 5 White Enameled Leather. Fancy bound tan breast piece, with three ¾ inch bells and 4 ¾ inch bells on reins, snaps on neck and rein parts ..... Doz. 6 50

No. 082/5 $3.20 dozen

VACUUM PISTOLS AND RIFLES



552/1. "Eureka" Pistol Outfit. Handle of hardwood, barrel black enameled. Length of pistol 8½ inches. Each complete on target card with vacuum arrow, ½ doz. in pkg..... Doz. $4 60

"American" Vacuum Pistol Outfit, consisting of 8 inch American vacuum pistol, arrow and box target as illustrated. Each packed separately..... Doz. $8 00

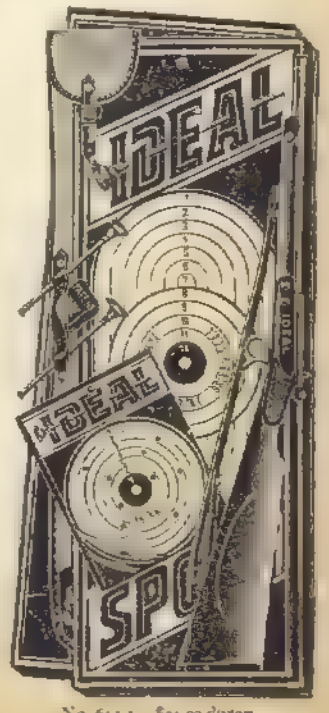
No. 613 $7.50 dozen

297 24. "Orion" Rifle Outfit, consisting of Orion rifle 24 inches long, and vacuum arrow on fancy target display card..... Doz. $7 50

613/3. "Ideal" Rifle Outfit, consisting of finely finished Ideal rifle, vacuum arrow, large target card, pad of extra colored target sheets and box of Ideal gummed ammunition target markers. Each complete on card as illustrated..... Doz. 16 80

613 4. "Ideal" Rifle Outfit consists of one best quality Ideal rifle 27 inches long, two Ideal vacuum arrows, tin box of ammunition, large target card 28 x 9½ inches and pad of extra targets 8 inch diameter. Each outfit packed separately..... Doz. 24 00

613 5. As 613/4 but with canvas gun case with leather trimmings as shown in cut..... Doz. 30 00



No. 613/4 $24.00 dozen.

Nickel Flutes

393/93. Length 9¾ inches, 1 doz. in pkg.....Doz. $0 70
393/95. Length 11¼ inches, 1 doz. in pkg. . . .Doz. 1 60

Toy Cornets

138/16. Nickel finish, leather reed covers, 4 keys, length 9 inches, ½ doz. in pkg. . . . . Doz. 4 00

138/29½. Fine large nickel cornet with 8 finely tuned reed keys, length 11 inches, ½ doz. in pkg.....Doz. 7 80

Trombone

138/10. Nickel finish trombone with slide movement producing four notes, length extended 12 inches, ½ doz. in pkg . . . . . Doz. 3 80

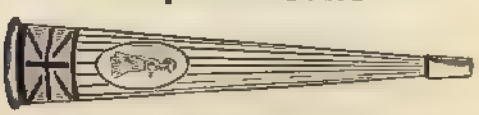
Fish Horns

99/323. Red white and blue bands, strong tin horn with wooden mouthpiece, length 11 inches, 1 doz. in pkg. . . . . Doz. 76
99/325. As 99/323, but is 15½ inches long, 1 doz. in pkg. . . . . Doz 1 30
99/324. As 99/323, but is 19 inches long, 1 doz. in pkg. . . . . Doz. 1 60

Plain Tin Fish Horn

12. Length 12 inches, bright tin finish, 1 doz. in pkg. Doz. 80

Paper Horns



19. Paper, 19 inches long, cardboard body in red, white and blue flag design, with mouthpiece, 2 doz. in pkg. . . . . Doz. 80

Champagne Bottle Horn

138/49. Made of wood in shape of champagne bottle, reed trumpet, length 6 inches, 1 doz. in pkg.....Doz. $0 80

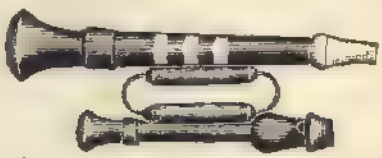
No. 138/44. 76c. dozen

Apple Trumpet

138/44. Made of wood and colored like an apple, reed trumpet through centre, 1 doz. in pkg. . . . . Doz. 76

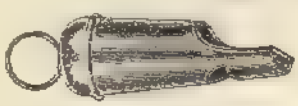
Wood Whistles

411/78. Fancy wood, painted with finger hole, length 5 inches, 1 doz. in pkg. . . . . Doz. 80



156/230. Double style, wood, fancy painted, one side whistle, other side trumpet, harmonica tone, length 8 inches, 1 doz in pkg. . . . . Doz. 1 60
393/177. Fancy turned hardwood, colored, reed trumpet, length 5 inches, 3 doz. in pkg.....Doz. 80

Pea Whistles

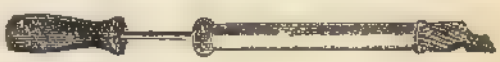


No. 61/1337. 60c. dozen.

No. 61/1338. 76c. dozen

61/1340. Medium size, nickel finish with ring, assorted styles, 1 doz. on display card . . . . . Doz. $0 40
61/1337. As 61/1340, but larger size, 1 doz. assorted on card . . . . . Doz. 60
61/1338. Four kinds assorted, large size, nickel finish, 1 doz. assorted on card . . . . . Doz. 76
61/1272 Large size, extra shrill whistle suitable for hunters, etc., 1 doz. on card.....Doz. 1 30

Calliope Whistle



393/159. **Lithographed.** Similar to 393/158 but has turned wood handle and is much larger, length being 8½ inches, 2 doz. in pkg. . . . . Doz. 70

Bird Whistles

185P Pewter canary water whistle, 3 doz. in pkg.. Doz. 60
185C. Colored. As above, but colored, 3 doz. in pkg. Doz. 70

Where package quantity is mentioned we cannot supply smaller lot

Bell Rattles

No. 13. 80c. dozen.

No. 14. 90c. dozen

13. Black enameled handle, enameled leather ring and three bells, 1 doz. in pkg. . . Doz. $0 80
14. As 13, but has four bells, 1 doz. in pkg. . . Doz. 90

No. 25. 90c. dozen.

No. 7. $1.50 dozen

25. Black enamelled handle, two bells and rubber ring, 1 doz. in pkg. . . . . Doz. $0 90
7 Black enameled handle, four bells on one end, rubber ring, opposite end, 1 doz. in pkg. . . . . Doz. 1 50

BABY COMFORTS

No. 65.

No. 70.

0. Fine quality rubber nipple, with bone shield and neck cord attached, similar style to No. 65, doz. on card. . . . . Doz. $0 80
65. Fine quality rubber nipple, wood socket, bone shield and fancy silk neck cord, 1 doz. on display card, Doz. 1 30
70. Bone ring and shield, fine quality rubber nipple, fancy silk neck cord in assorted colors 1 doz. on display card . . . . . Doz. 1 40

No. 75. 82.40 dozen.

75. Rubber teething ring and nipple, bone shield and wood socket with bell rattle, 1 doz. on display card, Doz. $2 20

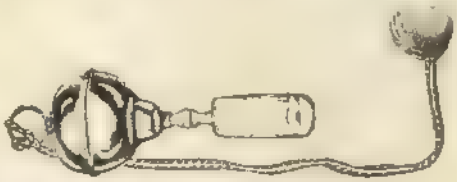
85. Solid rubber bite, with bell rattle inserted, fine quality rubber nipple and bone shield, 1 doz. on display card, Doz. $2 40

No. 85. $2.40 dozen.

Baby Rattles

99 688. **Six Styles Assorted** fancy tin rattles, some fancy embossed and some lithographed picture designs, all trumpet handles with china mouthpiece, 1 doz. assorted in pkg. . . . . Doz. $0 60
99 1395 **Coronation,** fancy embossed, brass finish, trumpet handle, china mouthpiece, lithographed pictures of King and Queen on sides, 1 doz. in pkg. . . . . Doz. 80

99 309. **Assorted Styles,** nickel finish, turned wood handle and bone ring, some with whistle, fancy cord and tassel, 1 doz. in pkg. . . . . Doz. 0 80



99/692. **Three Styles assorted,** nickel plated brass shell, bone handles and bone rings, fancy silk cord and tassel, 1 doz. packed star shape in display box. . . . . Doz. 1 20

No. 99/545. Assorted $1.60 doz.

99 693. **Extra Special,** assorted three styles, nickel plated brass shell, bone whistle handle and bone ring, fancy colored silk cord and tassel, 1 doz. assorted in fancy display box. . . . . Doz. 1 60
99/694. Similar to above, but better quality, three kinds ½ doz. assorted in display box. . . . . Doz. 2 40

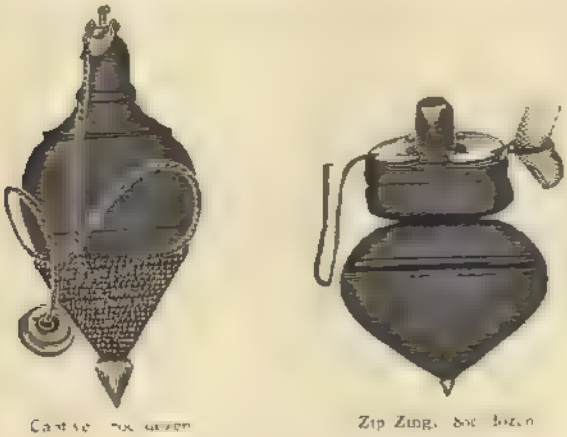
No. 237/661. $4.00 doz.

237 661. **Three kinds assorted.** fine nickel bell rattles, with celluloid handles and fancy cord, and tassels, rubber teat comfort with bone ring attached, in addition to rattle, each in fancy glass top box, ½ doz. in pkg. . . . . Doz. 4 00

Peg Tops

No. 1. $2.00 gross. No. 2. $4.00 gross. No. 6. 60c. dozen

0. **Hardwood,** small size, stained in assorted colors, 1 gross in pkg. ..... Gross $2 00
1. As No. 0, but medium size, ½ gross in pkg ... Gross 2 20
2. Large size, stained in assorted colors, ½ gross in pkg ..... Gross 4 00
3. **Tri-Color,** small size, painted in tri color design, ½ gross in pkg. ..... Gross 3 00
5. **Tri-Color,** as No. 3, but medium size, ½ gross in pkg ..... Gross 4 00
6. **Tri-Color,** as No 3, but large size, 3 doz. in pkg. Doz 60



Captive 70c dozen Zip Zing. 80c dozen

"**Captive,**" polished wood with swivel top and cord attached, 1 doz. in pkg. ..... Doz. $0 70

"**Zip Zing,**" patent wind top, one turn of the cord spins it, 1 doz. in pkg with fancy display card and illustrated instructions to go with each top Doz 80

"NEVER-STOP" TOP

"**Never-Stop,**" automatic spring wind top, painted in four colors, runs fast and long, with humming 1 doz. in box. ..... Doz. $2 40

Skipping Ropes

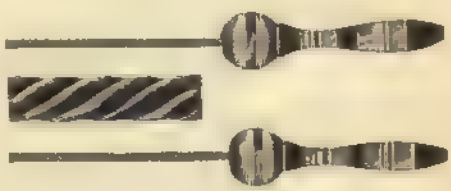
10. 6½ ft. **Plain Jute Rope,** stained handles, 1 doz. in pkg. ..... Doz. $0 70

11. 6½ ft. **Rope,** fancy tri-color, stained handles, 1 doz. in pkg. ..... Doz. $0 80

13. 8 ft. **Fancy Colored Weave over Jute Core,** fancy and striped hardwood handles, 1 doz in pkg. ..... Doz. $1 30
17. 10 ft. length, fancy tri-color, stained handles, each in fancy lithographed box. ..... Doz. 2 40

50. 7 ft. **Hard-Finished Jute Rope,** with fancy colored hardwood handles, 1 doz. in pkg. ..... Doz. $1 50
53. As 50, but colored rope, 1 doz. in pkg. ..... Doz. 1 60

54. 7½ ft. **Rope,** assorted red and blue colors, with fancy colored hardwood handles and foot block, 1 doz. in pkg. ..... Doz $1 60



52. 7 ft. **Fine Quality Hemp Rope,** with fancy colored detachable handles, 1 doz. in pkg. ..... Doz. $2 50
1528. 7½ ft. **Hemp Rope,** in natural color, colored striped hardwood detachable handles, each in box, 1 doz in pkg. ..... Doz. 3 20
99/1414. 6¾ ft. **Hemp Rope,** with fancy colored, tinted and striped hardwood handles, each in lithographed box, ½ doz. in pkg. ..... Doz. 4 00

Rubber Balls

Fancy Colored, Inflated

2¼ inch, fancy colored, 1 doz. assorted in pkg ....Doz. $1 54
2½ " " 1 " " .... " 2 10
3¼ " " 1 " " .... " 3 20
3½ " " ½ " " .... " 3 50
3¾ " " 1 " " .... " 4 00
4 " " ½ " " .... " 4 50
5½ " " 1 " " .... " 10 80

COLORED APPLE BALL

Inflated

2¼ inch, apple design, 1 doz. in pkg. .... Doz. $1 44

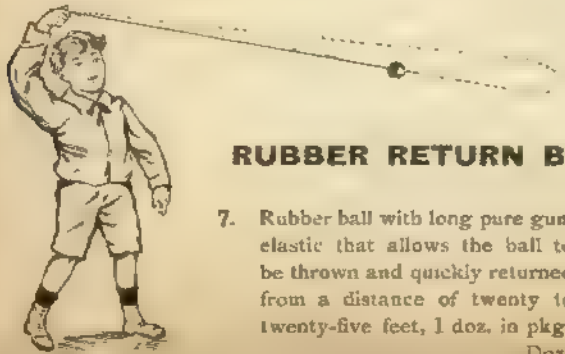
FOOTBALL PATTERN

Inflated ball, colored to imitate leather and seams of a football.

3½ inch, football pattern, ½ doz. in pkg.... .Doz $3 60
4½ inch, as above.... " 6 50

WOOD BAT

082/0. Natural wood, size 13¼ x 14 inches, 1 doz. in pkg.... Doz. $0 60



RUBBER RETURN BALL

7. Rubber ball with long pure gum elastic that allows the ball to be thrown and quickly returned from a distance of twenty to twenty-five feet, 1 doz. in pkg. .... Doz $0 80

Paper Lanterns

No 1B. 60c doz

Bucket Shape

Wood top and bottom. Assorted colorings.

Noel. Diameter 2¾ inches, 2 doz. in pkg. ....Doz. $0 15

1B. Diameter 6 inches, 2 doz. in pkg. ....Doz. 60

2B. Diameter 7¼ inches, 2 doz. in pkg. ....Doz. 1 10

3B. Diameter 8¼ inches. 2 doz. in pkg. ....Doz. 1 60

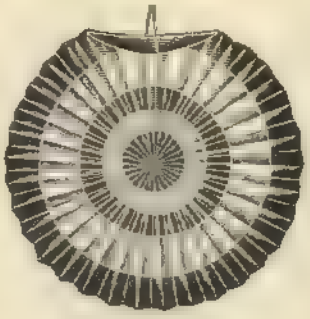
Balloon Shape

Wire frame. Assorted colorings.

3. Diameter 13 in., 1 doz. in pkg.....Doz. $1 60

4. Diameter 16 in., 1 doz. in pkg. .....Doz. 2 00

No. 4 $2.00 doz



No. 3 Sun. $1.40 doz.

No. 3A. $1.60 doz.

3 Sun. Diameter 15 in., ½ doz. in pkg.....Doz. $1 40

3A. Union Jack design. Diameter 13 in., 1 doz. in pkg.....Doz. 1 60

6. Special Assortment, Six Large Fancy Shapes, in rich oriental colorings, average size about 12 x 15 in., packed ½ doz. (6 kinds) in pkg.....Doz. 4 00

Japanese Lanterns

2. Assortment, contains twenty lanterns in assorted sizes and in ten different shapes, all in a variety of shaded coloring and assorted fancy and floral decorations. Put up in strong strawboard box.... ....Per assortment $2 00

5. Assortment, contains twenty-five lanterns including all styles illustrated above but in larger sizes than our No. 2 assortment. Also contains six extra large fancy shapes. The twenty-five lanterns packed in box.... Per assortment 4 00

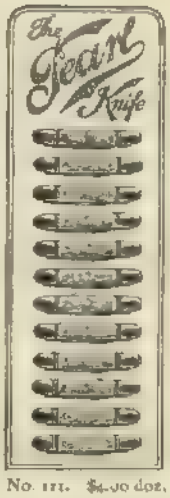
Pocket Knives on Card

No. 71/20. $1.50 doz.

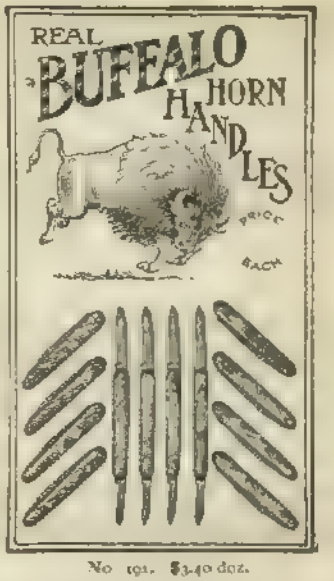
71/20. Ivory handles, 2½ in. long, closed fancy embossed card lettered "Perfection." 1 doz. on card .Doz. $1 50

102. Assorted white bone and tortoise shell handles, two blades, length closed 3 in., 1 doz. assorted on silver embossed display card. .....Doz. $1 80

104. White Bone handles, two blades, length closed 3¼ in., 1 doz. on fancy embossed "Phonograph" display card Doz. $2 40



No. 111. $4.00 doz.



No. 191. $3.40 doz.

111. Pearl Handles, metal tips, 2 blades, length closed 3⅞ in., 1 doz. on fancy embossed card..Doz. $4 00

191. "Magna" Quality, Buffalo horn handles, 2 blades, length closed 3 in., 1 doz. on "Buffalo" display card. Good 25 cent value .....Doz. 3 40

116. "Magna" Quality, assorted white bone, buffed horn and stag handles, nickel tips, two blades, length closed 3½ in., ½ doz. assorted on display card .....Doz. 6 00

223½. Assorted bone and stag handles, two blades, length closed 3¼ in., 1 doz. on fancy display card, lettered "Superior Cutlery" .....Doz. $1 70

Kompactum Knife and Fork

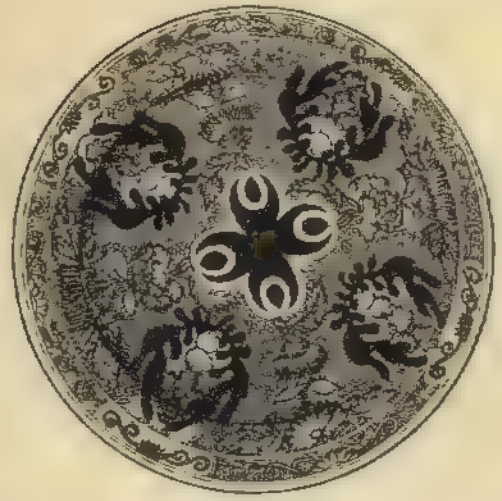
218. "Compactum" knife and fork for picnics, tourists, travelers, prospectors, etc., polished wood handle, with metal bands, length when packed together 7 in., ½ doz. on display card.....Doz. 4 20

130½. Assorted. "Magna Quality" assorted styles and sizes in bone, horn and imitation stag handles, all with two blades, 1 doz. assorted on attractive knife shape card.....Doz. $3 60

254. "The Express" Special Five Cent Knife, one blade, metal handle, embossed Express Engine design, length closed 2⅜ in. 2 doz. on fancy colored engine display card .....Doz. $0 60

"Wedgwood" Rail Plates

Continued



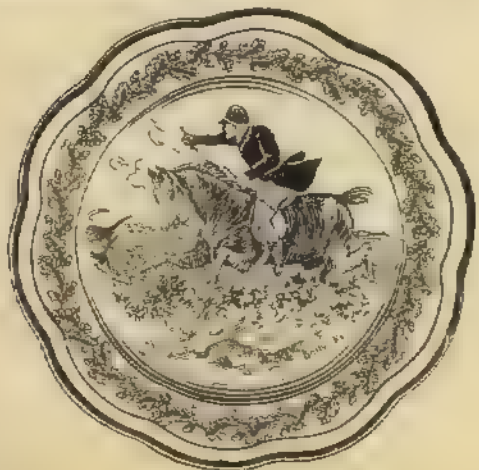
401 108. **Old Chrysanthemum**, conventional design, Crown Derby style of coloring.....Doz. $10 80

401 106. **Yacht Scenes.** Three kinds assorted, hand colored work, assorted borders, very effective, ...Doz. $8 40

401 109 **Kate Greenaway Series.** Six assorted pictures, steel blue border, with 2 red lines, centre pictures hand colored . Doz 10 80

401 111. **Twelve Months.** Series of twelve pictures in appropriate subjects for each month of the year, hand colored centre and border.....Doz. 14 40

401 113. As 401 111 but blue undergiaze Doz. 4 00

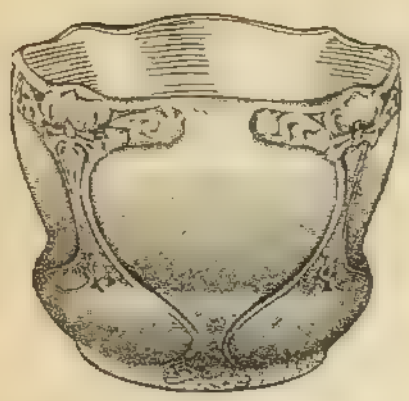


"Tally-Ho"

"Stand Back"

401 110. **Hunting Series.** Six kinds "Master of the Hounds," "Tally Ho," "On the Alert," "A Challenge," "A Good Shot," and "Stand Back." Oak leaf border, all hand colored.....Doz. 12 00

Jardinieres



Majolica finish, neatly embossed, assorted two-color combinations, shading to centre, pink lining

70/25. Diameter 6½ inches, height 5½ inches.....Doz. $4.00
70/26. Diameter 7½ inches, height 6½ inches.....Doz. $6.50
70/27. Diameter 9 inches, height 7½ inches.....Doz. $8.40
70/28. Diameter 10 inches, height 8½ inches.....Doz. $13.00

Assorted, blue and maroon tint with colored flower decorations in embossed panels, clouded gold edge and foot.

505/60. Diameter 6½ inches, height 5½ inches.....Doz. $6.50
505/61. Diameter 7 inches, height 6 inches.....Doz. $8.40
505/62. Diameter 8¼ inches, height 7½ inches.....Doz. $12.00
505/63. Diameter 9½ inches, height 8 inches.....Doz. $16.80

Telegraph shape, blue and gold decorated. Rich gold traced blue flower decoration on white ground with gold clouds in places, clouded gold top and base.

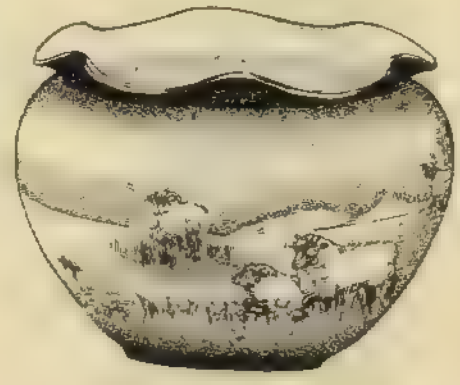
Tel. B 5.	Diameter 6½ in..	Doz.	$ 9.00
" **B 3.**	" 9 in..	"	24.00
" **B 2.**	" 10 in..	"	30.00
" **B 1.**	" 12 in..	"	36.00

Scalloped Edge, Cobalt blue body, conventional tulip design, embossed in white.

588/7. Diameter 7 inches, height 6½ inches.....Doz. $8.00
588/8. Diameter 9 inches, height 7½ inches.....Doz. $12.00
588/9. Diameter 10 inches, height 8 inches.....Doz. $16.80

Pale-tinted body, with dark green in parts, heavy embossed panels and top edge, colored rose decoration, gold edge.

588/1. Diameter 7 inches, height 6¼ inches.....Doz. $8.40
588/2. Diameter 8 inches, height 7 inches.....Doz. $13.00
588/3. Diameter 9 inches, height 8 inches.....Doz. $16.00
588/4. Diameter 10 inches, height 9 inches.....Doz. $24.00
588/5. Diameter 11 inches, height 9½ inches.....Doz. $33.60



Green-tinted top, scalloped gold edge, decorated with sheep on landscape background.

588/11. Diameter 7 inches..Doz. $8.40
588/12. Diameter 8 inches, Doz. $19.20
588/13. Diameter 9½ inches, Doz. $33.60
588/15. Low Pot and Pedestal, consisting of pot 588/13 on low pedestal, entire height 12 inches.....Each $4.00

A22

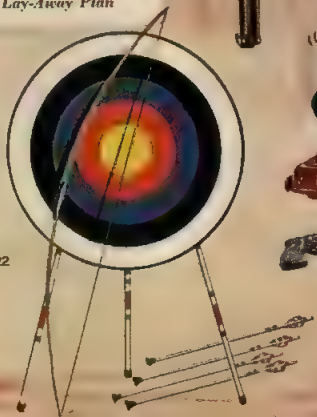
B22

C22

Use Our Lay-Away Plan

D22

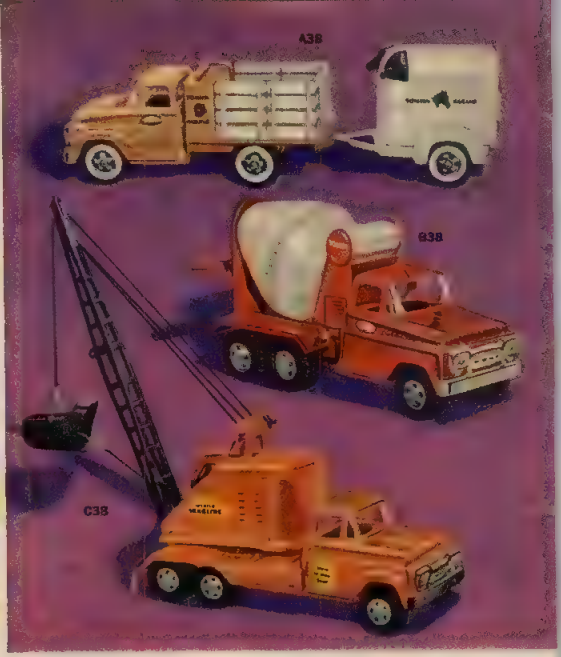
E22
SPECIAL VALUE



F22

G22

A26
B26
C26
Chiffonware
ALUMINUM WARE
MODERN PLAIN
D26
E26
F26
G26
H26
Triple Treat
J26
K26
L26
M26



A38 FARM STAKE AND HORSE TRAILER
2 plastic horses in a traveling trailer, attached to Tonka's steel truck with new ball-type hitch, easy to couple and uncouple for ages 3 to 8. Removable stake panels. 21¾" long. **$6.98**

B38 CEMENT MIXER TILTS AND POURS
Made of extra-tough Implex material, for lots of heavy "construction work" by 3 to 8 yr. olds. Fill Tonka's mixer through hopper at top—it turns as steel truck moves—tilt it with handle, and "cement" pours down adjustable chute. **$6.98**

C38 DIG DITCHES WITH DRAGLINE
Plenty of action with Tonka's realistic all steel 27¼" truck. Firmly mounted cab swivels 180°. Crank on top raises, and lowers bucket on nylon ropes, turn side crank and bucket scoops dirt. 10 big rubber tires. 3 to 8 yrs. **$7.98**
18" DRAGLINE TRUCK **$4.98**

D38 ROAD GRADER FOR "ENGINEERS"
Clear the roads! Just like real graders, scraper blade rotates, raises, lowers, tilts; front wheels steer. Rugged steel 18¾" long, great favorite with boys 3 to 8. By Structo. **$3.98**
4 PC. HIGHWAY BUILDER GIFT SET . . **$9.98**

E38 HYDRAULIC DUMP TRUCK
Structo's 14¼" dumper actually works! Press unload lever, hydraulic cylinder raises body and dumps load automatically. Sturdy steel, finished in chip and crack proof baked enamel for 3 to 8 yr. olds. **$4.98**

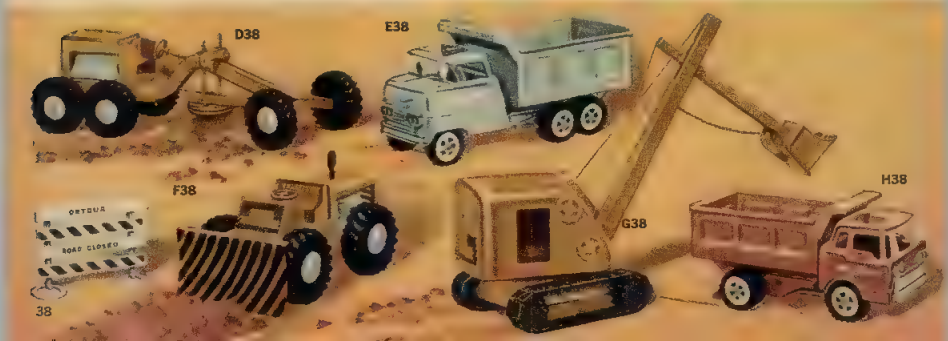
F38 REALISTIC BULLDOZER
Tough, rugged bulldozer made by Structo to look and work just like it's real-life counterpart, for 3 to 8 yr. olds. Blade tilts up when not in use and is held in position by heavy spring. 11¾" long, all steel, to last through rough play **$2.98**

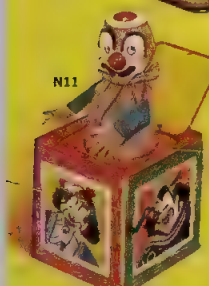
G38 POWER SHOVEL FOR "BUILDERS"
Structo's durable steel power shovel looks and works like the real thing! It moves on tractor treads; 2 hand wheels raise and lower boom for loading and unloading; cab turns a full circle. 26½" long; for "builders" 3 to 8. . . . . **$3.98**

H38 REAL-ACTION DUMP TRUCK
Sturdy steel lever-operated dump truck with all the action 3 to 8 yr. olds like. Just like a real dumper, with windshield wipers, horn. 11½" long. Structo makes it with rolled edges for safety, baked enamel finish. **$2.98**

J39 STREET SPRINKLER WORKS
Just like real street cleaners, this scale model truck with built-in pressure pump, shoots two powerful sprays of water. Easy to fill, then push lever on top and activate spray. By Ny-Lint, a thrilling gift for ages 4 to 8 . . . . . **$8.98**

Prices shown are Manufacturers' List Prices. See us for today's prices.





plywood, with 17 plastic keys and steel ground tone rods to produce beautiful tones $3.98
20-KEY GRAND PIANO $4.98
25-KEY GRAND PIANO $5.98

H10 DISNEY TRUE-TONE XYLOPHONE

Join the parade playing Tudor's new 8-note Xylophone. Felt-cushioned, well-tempered steel bars produce beautiful true tones for little musicians. Free entry blank for Disneyland Vacation Contest included. $2.98
DONALD DUCK 8 NOTE XYLOPHONE . . . $1.98
12-NOTE XYLOPHONE, music book, stand $3.98

J11 TRAP DRUMS TO BEAT THE BAND

Play along with records and the radio on Noble & Cooley's fully equipped Trap Drum Set 6½" side drum, 6" Tommy, two 5" Tommies and a hanging cymbal attached to 18" bass drum. Pair of sticks for fun, rhythm; ages 4 to 10. . . . . $3.98

K11 MUSIC WITH YOUR OWN GUITAR

You'll be playing like a professional in no time with Jefferson's 30" Guitar. Comes equipped with wire and nylon strings and plastic pegs. Easy instructions for tuning and playing. $4.98
OTHER 6 STRING GUITARS $3.98

L11 TOM THUMB TYPEWRITER

Streamlined, chrome trimmed portable metal typewriter by Western Stamping, for 6 to 12 yr. olds, has new executive style nylon type, shift keys, and finger tip spacer. Letters arranged same as standard keyboard. Uses standard ½" ribbon. metal carrying case. **ATTRACTIVELY PRICED**

M11 POPULAR "GOLD" TYPEWRITER

Berwin's sturdy, all metal typewriter has 74 upper and lower case letters, numbers, punctuation marks, and symbols; uses real typewriter ribbon. For beginners 7 to 10. . . . . $3.98

N11 JACK-IN-MUSIC BOX

Turn the crank and up pops the clown to the sound of a gay tune! Watch his eyes roll! Mattel's "new look" metal musical toy for ages 2 to 5. $2.49
CASPER-IN-MUSIC BOX $2.49

P11 NUTTY NUDNIK GIFT BOX

New fabulous teen-age gifts! TeenTime's amusing ensemble contains wallet, autograph book, and "Nutty Notes" Stationery Portfolio—all in matching white calf Vinyl $2.98
DELUXE NUDNIK GIFT SET $3.98

Q11 2-SPEED PORTABLE PHONOGRAPH

Play your favorite 45 & 78 RPM records on Speer's handsome acoustic portable phonograph, in scuff resistant pyroxlin coated case. Soft or loud needles for volume control. A.C., U.L. approved 4 yrs. & up. $13.98

G33 BE A CONSTRUCTION ENGINEER

Build modern roads, buildings, bridges, and turnpikes just as they are really constructed! Easy to make with a few high strength plastic basic parts that snap and lock together—fascinating for all ages. On masonite foundation that can be moved anywhere. Can be used with "O" and "HO" gauge trains and tracks. Kenner's set **$9.98**
GIRDER & PANEL SETS **$2.49, $3.98, $5.98**
BRIDGE & TURNPIKE SETS **$2.98, $4.98, $7.98**
MOTORIZED BUILDING SET **$12.98**
DELUXE MOTORIZED BUILDING SET **$19.98**

H33 365-PC. BIG BOY TINKERTOY

The world's most popular all-wood building toy with safe, non-toxic colored rods. 4 to 10 yr olds follow the simple instructions to build over 1000 action toys. By Toy Tinkers **$4.98**
PREP TINKERTOY—78 pcs. ..... **98¢**
MAJOR TINKERTOY—149 pcs **$1.98**
GRAD TINKERTOY—215 pcs **$2.98**

J33 BUILD A BRICK HOUSE

Build a modern red brick house with doors and windows that open and close—picture windows, jalousies, and sliding garage doors! Bricks of break-resistant plastic with peg-sockets that keep construction together. Easy instruction book tells you how. By Halsam for 4 to 8 yrs.

115 Pc. Set	**$1.98**	290 Pc. Set	**$4.98**
208 Pc. Set	**$3.49**	459 Pc. Set	**$7.49**

K33 AMERICAN SKYLINE IN COLOR

It's easy to create an ultra-modern city with Halsam's Skyline Set. With three basic interlocking parts, plus floors and colorful windows you can build models that are solid and can be moved. 510 pieces; simple instruction book for ages 4 to 8. ..... **$3.98**
500 Pc. SKYLINE SET **$5.98**
245 Pc. SKYLINE SET **$1.98**

L33 LINCOLN LOGS BUILD CABINS

Everyone's favorite—Lincoln Logs! Build hundreds of authentic models of forts, cabins and other buildings, with round logs, gables, roof pieces, and chimneys of stained, waxed, selected wood. Interesting design book for 4 to 8 yrs.

53 Pc. Set	**98¢**	129 Pc. Set	**$2.98**
91 Pc. Set	**$1.98**	178 Pc. Set	**$4.98**

M33 SKY-HIGH SKYSCRAPER BLOCKS

Build a whole city block, a store, or a skyscraper 5 feet tall! Rugged set of 20 fiberboard blocks in three different shapes—packed in a giant chest also printed with rows of windows and doors. By Toymaster for builders 2 to 6 ..... **$6.98**
CHOO CHOO NESTING BLOCKS **$3.98**

LOOK FOR THE LARK
Use Our Lay-Away Plan

Prices shown are Manufacturers' List Prices. See us for today's prices

K35 PLAY GIANT DOMINOES
Now twist to an old favorite! 27 King Size dominoes of lightweight, safe poly, make this game more fun than ever—for play indoors or out. By Tucket Toy for all ages **$1.98**

L35 BAS-KET—MINIATURE BASKETBALL
Another great game for the whole family. Fast action basketball in miniature, by Cadaco-Ellis, follows real rules and scoring of the game. Players control mechanical levers which throw the ball at the basket. Year 'round sport for all ages. **$4.98**

M35 TRIPOLEY CROWN—3-IN-1 GAME
Thrills and excitement of 3 great card games—Hearts, Poker, and Rummy—combined into all-year favorite for 2 to 9 players of all ages. Popular game of Kings and Queens by Cadaco-Ellis; complete with cards, chips and vinyl table lay out **$3.49**
TRIPOLEY DELUXE **$1.98**

N35 HOP CHING CHINESE CHECKERS
Double fun with two big checker games! Chinese Checkers on one side, regular checkerboard on other. Comes in handy metal carrying case with marbles and checkers in secure storage unit. By Pressman for 4 yrs. and up. **$1.98**
CHINESE CHECKERS . . . . . **98¢**

P35 YOGI BEAR BALL TOSS GAME
Toss ball in Yogi's mouth, dial automatically registers your point as ball returns through slot at bottom. Transogram's sturdy, giant plastic Yogi target, almost 20" tall, comes with 5 plastic balls. Great indoor or outdoor sport for players of all ages. **$3.98**

Q35 52 GAMES FOR THE WHOLE FAMILY
Transogram's big gift package with many new, thrilling games, in sturdy carrying kit. 7 varnished playing boards, checkers, Pa Chiz Si, racing games and many others, all with easy-to follow instructions. **$2.98**
SMALLER "52" GAME CHEST **$1.98**

R35 RACING TUMBLE BUGS
Watch 'em go! Highlander's crazy, clowny tumble bugs bounce down the track in an unpredictable, exciting race. Four players of all ages choose bugs and cheer them on to win—the funniest race ever! **$1.98**
TICKLE BEE MAGIC MAGNET GAME **$1.98**

S35 BOWL WITH HUCKLEBERRY & YOGI
Youngsters of all ages bowl away with two 3" unbreakable plastic balls to try and knock down ten 8" poly pins molded in the shapes of the beloved TV characters. Safe for indoor play—and pleases mother—won't scratch floors or mar furniture. By Transogram **$2.98**

T35 STADIUM CHECKERS
It takes skill to manipulate your marbles down to the center exit and be first out of the Stadium —the winner! Another new and different Schaper game—exciting fun for 2 to 4 players, 8 yrs. to adult, by Highlander **$2.98**
COOTIE, popular family game **$1.98**

LOOK FOR THE LARK

Prices shown are Manufacturers' List Prices. See us for today's prices.

Close to it, comes a great and typical white wine: the Condrieu. The offspring of a single Viognier, possessed of a certain softness, a penetrating bouquet and being very slightly petillant, it really deserves a worthier fate than to be monopolised by the people of Vienne and of Lyons. Château-Grillet is its quintessence and its highest expression. Unfortunately it does not travel well.

Now let us traverse the Canton of Serrières with the red wines of the Syrah and still the white wines of the Viognier, whose production certainly merits a larger encouragement from the consumer than it receives, and we arrive at the middle group of the Drôme and the Ardèche.

Here much larger vineyards occupy both banks of the river. Gentlemen uncover! Here is the Hermitage! There is red wine in that granite soil and white in the silica and the chalk, and whether we owe one or both to the repentant Knight turned hermit, we would gladly discuss had we the time. The essential now is to drink them!.. and also to sample that cousin of theirs called the Croze-Hermitage, for our hermit must have found some method of installing himself in two parishes since he left his sign-manual in both. However let us pay him his due and cross the river.

Here the Syrah plant claims its own. Cornas still blushes at the song of Desaugiers:

J'ai pour une femme à la mode
Du vin mousseux, du vin muscat :
Et pour l'époux qui l'incommode
Du Saint-Joseph et du Cornas...

(The only point about the verse, the whole merit of which would be destroyed by attempted translation, is that Saint-Joseph was supposed to be the patron of betrayed husbands!. whilst Cornas is alleged to be derived from the word "corne", or "cornard": otherwise "cuckold" or cuckoo!)

Here as in all the Côtes-du-Rhône, the red calls for the white, for together they form, what is designated "the holy union" Saint-Péray

Côtes du Rhône

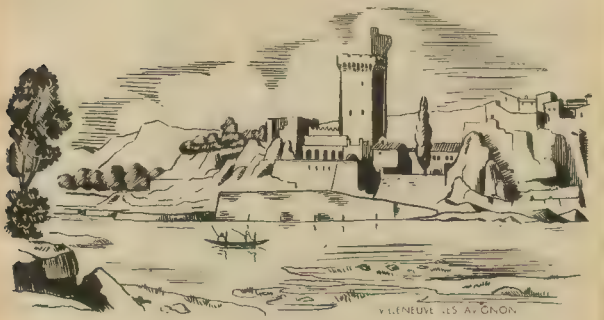
By Baron PIERRE LE ROY DE BOISEAUMARIE
President of the Côtes-du-Rhône General Syndicate of Viticulturists

A continuous group of vineyards, lined-up in strict order like soldiers on parade, planted well up the hillsides and sometimes even on the mountain-sides for a length of 125 miles on the two banks of the river Rhône all the way from Lyons to Avignon,—these are the Côtes du Rhône.

Although they link up Burgundy with Provence, these wines of the Côtes du Rhone establish a marked and striking transition between those of the two aforenamed provinces. There will be found among them, none the less, crus specially and particularly characteristic.

Do you wish that we should run through them at the galloping speed which our limited space imposes? Yes? Very well then: forward we go!

First of all then the northerly group (Rhône, Loire, Haute-Ardèche) all completely on the steep slopes of the right bank. It is the country of the Viognier vine-plant, an old cepage that is to be found only on this spot. Two twin types of it, the Blonde (Fair) and the Brune (Dark) in the parishes of Ampuis and Tupin give us the famous red-wine known as the Côte Rôtie. Highly appraised by the Romans, it has never been less so by their successors.



VILLENEUVE-LES-AVIGNON

have shown you have been only the grand Seigneurs of the menu, the great stars figuring first on the bill, the matadors of the Rhodanian arena!

In addition to them there are still 130 parishes whose names are less well-known perhaps because they are less pretentious but whose wines, once you know them, will fill you with an amazing satisfaction. If you are going to find these however, you must leave the great wine road, climb the hills, dip down into the ravines, dawdle and idle along the local roads and the village by-paths, knock at the doors of modest cottage homes, where they will make you taste a little from each of the casks they have in their cellars. And you will be astonished at all that viticultural wealth, still so little known. But for such a search, time is indispensable... and today we must bring our pilgrimage to an end, because we have not the leisure necessary and still more because — although we shouldn't like it told abroad — because there is not sufficient wine!

sprawls at the foot of the old Middle Ages citadel of Crussol. It produces the only sparkling wine of the Côtes-du-Rhône and is mighty proud of this monopoly bequeathed it by the first emigrants from the Champagne country. It defends itself stoutly against the timid attempts at imitation on the part of its neighbours and friends. Let us wish for it the prosperity that it knew under the Second Empire. It deserves it.

We step on the car's accelerator in order to cover with a bound the 50 miles without vines which separate us from the southern districts of the Gard and Vaucluse.

The Gard? Why, the Gard with its famous "Côtes-du-Rhône" of the Uzès "viguerie" (as the Provost's estate is called in the South of France) claims the paternity of the whole region and would like to gather back into its bosom even the children who have gone astray in the Lyonnais fogs. But these latter have taken firm root, the more so as they were there at the time of the Romans and some even pretend at the epoch when the Phocaeans founded Marseilles..... If up to the present we have seen only the red and white wines, we are now in the country of the Rosé wines, whose throne is Tavel. Of the wine itself: is it a golden ruby, or of a red or ruby gold? Or is it the colour of the setting sun? Do not let us trouble to argue over it: let us taste it instead! Drink Sir! But not so quickly! True it descends easily, but beware of that innocent air under which it conceals its potency. We shall see the result shortly in following it up with a bottle of its friend of the other side of the Rhône: the Châteauneuf-du-Pape.

Here gentlemen you must make your bows of reverence; get to your knees as you would in the presence of the Sovereign Pontiff himself.

Gleaming in its cardinal's purple robe, warmed by the hot Provençal sunshine, perfumed with the wild aromas of its Languedocian wastelands and moors, it marks like some grand fireworks display, the end of our journey.

Having traversed 125 miles and sampled eight bottles, do you imagine gentlemen that you now know the Côtes-du-Rhône? What I

AVIGNON
"Rhône et le Pont St Benezet"

" My very dear son; this wine of Beaune that you have sent us is of an exquisite flavour; it suits exactly our complexion. It is the only remedy which we employed in the course of a recent illness. Thus we exhort you to send us a further supply of the same mark as soon as it may be convenient to you. We assure you that it will be most agreeable for us to receive it and your nobility will have given us the most appreciated of pleasures Given at Rome, November 17th, 1485, in the second year of our Sovereign Pontificate. "

The great humanist Erasmus owed a marvellous restoration of health to the Beaune wine and this inspired him to the enthusiastic exclamation : " Happy Burgundy ! Thou indeed meritest the name of Mother of Men, since thou givest them such milk ! "

In the XVIIIth century a Beaune doctor by name Hugues de Salins, found the wine a panacea and he pursued successfully a hot controversy with Dr. Leprescheur of Reims who maintained that Champagne held the primacy in this respect. As a matter of fact from the year 1665, the Sorbonne had accepted Dr. Arbinet's thesis in which he had proved by syllogisms that Beaune wine was both the most suave and the most wholesome. " *Vinum Belnense esse potum suavissimum et saluberrimum.* "

This thesis was confirmed by a decree of the Council of State under Louis XIVth, which authorised the transport of the Beaune wines on the Moselle and Meuse rivers.

In 1684 Morosini, the Doge of Venice celebrated his conquest of Peloponesia by a sumptuous banquet at which Beaune wines were consumed.

Sache in his catalogue of European wines, awarded the first prize to Burgundy, and in his *Regimen Sanitatis*, Frambesac recommended it as the least "capiteux,' in other words as the least alcoholic, *Vinum Belnense ante omnia recensc.*

But one would never finish if one went on drawing from the archives all the facts in regard to the gifts of these wines made down the centuries by the Dukes of Burgundy, by the Abbots or by the Beaune magistrates to any illustrious personage it was desired to honour. The recipients of these gifts knew moreover how to appreciate the value of the Beaune by that perfume in which they rediscovered the very soul of " fair France. "

On July 21st, 1943 the Hospice de Beaune celebrated the 500th anniversary of its foundation. Since 1443 its viticultural estate has grown unceasingly (as a result of gifts of land) and has continued to prosper. The renown of its wines is the direct consequence of the efforts of several generations.

It is the slow, steady and continuous work of our vignerons throughout the centuries which has likewise placed very high the incontestable value of the wines of Beaune.

PIERRE PONNELLE
Abbaye de St. Martin
Beaune (Côte-d'Or)
Sole Consignees for Great Britain :
ROBERTSON VILLAR & WATSON LTD
33, EASTCHEAP, LONDON, E. C. 3.

Here the Pinot, prince of cépages, reigns in undisputed sway. It is this which makes the race of our wines, although it is in the secrecy of the lime-bearing soil that they develop their solid virtues of body, fire and bouquet.

Quite a range of fine wines, whose qualities are on a par with those of the best crus of the Cote d'Or, appear to be in conformity with the variety of situations and the Bathonian or Oxfordian geological stratas and levels.

" In these great wines of Beaune a pink and supple satin robe, veils their chaste flame and a subdued musky flavour pervades its happy flesh " (*G. Roupnel*).

Their detailed study fully justifies the eulogies passed upon them by the masters of oenological criticism.

LES MARCONNETS. -This vineyard situated at the northerly point of the Beaune territory rests on a geological Oxfordian middle strata with its banks of grey chalk and marl. It gives a wine of race, of great *finesse* and of a very fruity bouquet ; endowed with a strong constitution it can be compared to the Chambertin of which it possesses the distinction and the power.

LES FEVES —An altogether privileged site. A wine, by the nicety of its taste, and the delicacy of its aroma, capable of competing with the heads of the Côte de Nuits cuvée and specially with the Richebourg.

LES BRESSANDES. Entirely remarkable for its distinction and its velvety *finesse*. It possesses a frank consistency as well as a perfect coalescence of body and bouquet.

LES GREVES.—On the flanks of the Mount Battois opposite to Beaune ; a light, rather stony soil : hence its name. Wine of an extreme delicacy, creamy and with plenty of bouquet. In this vineyard the corner called " The Vine of the Infant Jesus " should be noted. It belonged, before 1789 to the Carmelites of Beaune, who gave it that name. It produces a wine of exquisite *finesse* with a flavour at once warm and delicate which leaves behind a sweet and perfumed aroma. It is vermilion coloured and its limpidity is perfect.

LES CRAS -This name means " rocky and stony hill " Soil light running, permeable, well aerated, exceptionally propitious for the vine. Gives a purple and vigorous wine which as it ages acquires plenty of *sève* and bouquet.

LE CLOS DE LA MOUSSE. This lies on the edge of Bouze-Valley It is the head growth, which Canon Edme de Saudon bequeathed in 1220 to the Chapter of Notre Dame-de-Beaune. Its wine has a special *finesse* and agreeableness, as Dr. Morelet who owned a part of it, once averred.

LES CHAMPIMONTS —A wine very frank in taste, supple (that is to say tender and unctuous) and delicate Its agreeable freshness causes it to be in great demand.

LE CLOS DES MOUCHES —Situated on the side of Mount Saint Désiré, skirting the Pommard vineyard This vineyard with its perfect geographical situation, gives a velvety, full-bodied, elegant and fruity wine Highly esteemed for the blending of its qualities, it is able to compete with the very best of the Chambolle growths.

LE CLOS DU ROI. Lying underneath the Marconnets vineyard in a fold which the Cote makes in falling on to the plain, this vineyard gives a very greatly appreciated wine, supple, silky and very perfumed.

LES THEURONS.—A delicate and tender wine which is a little like the Volnay , very frank in taste, and very refined. A part of this vineyard is called the " Clos Saint-Baudèle, " an old-time property of the Beaune church of Saint Baudèle, the revenues of which constituted the stipend of the priest in charge. It is the nearest vineyard to Beaune itself and it forms thus an emerald

belt to the city in striking contrast to the whiteness of its houses.

The abundant diversity of our fine wines and the degrees of gustative wealth to be found in them are admirable things, unfortunately too little known by the public.

Nevertheless they have been intimately intermingled with our economic, social and literary history.

The flourishing state of viticulture here was attested by the orator Eumène at the beginning of the IVth century.

The poetic-legends of the XIIIth century based on the oft-repeated oral traditions which have been perpetuated since the most ancient times, confirm the enduring reputation which the red Beaune wines enjoyed in the Middle Ages.

(Unfortunately the old verses in their quaint antique French are quite untranslatable, but they bear incontrovertible testimony to the charm which even their colour exercised in those far-off days. Editor).

Wines with the light uncertain colour approaching the tint called in these days " the colour of onion-skin, " were in special demand until the end of the XVIIIth century. It was undoubtedly this which started the mistaken notion that the Côte de Beaune wines were short-lived and would not keep With these early products there was no cuvée. The grapes were pressed immediately they were gathered and there emerged a wine called a " primeur " or a " Pouillé " wine, in other words, a hastily produced skimmed wine with a bronze tint.

Its other qualities were all the same popularised in song and verse ; one poet immortalising in this fashion the fact that the Popes obtained their wine supplies from the Citeaux Abbey. It appears an historical fact that in 1369 the then Abbot of Citeaux, Jean de Bussières, sent several "pieces" of Beaune wine to Pope Gregory XIth, who was particularly attracted by its colour and who thereupon in a symbolic gesture of gratitude conferred the purple of a Cardinal's hat upon the sender.

In 1373, Philip-the-Rash gave two " queues " of Beaune (*a queue was equivalent to 456 litres or approximately to 100 gallons*). to his Chamberlain, Gui de la Trémouille, in appreciation of his loyal services : and on July 3rd, 1375 he gave another " queue " to the cross-bowmen of Bruges with whom he had spent a day practising archery.

In 1377, the bourgeois of Bayeux, by offering a " pipe " (92 gallons) to the Connétable Dugueslin and two others to his wife, attested that the wine of Beaune enjoyed a world-wide reputation and that it was a usual practice to make presents of it to the most illustrious Christian seigneurs.

It was because of this wine that at about that same period the prelates at the Holy See at Avignon (if Petrarch is to be believed) were unwilling to abandon their exile and return to Rome, "for", said he, "there does not exist in Italy so good a wine as that of Beaune. The Monseigneurs of the Papal Court cannot imagine being deprived of that liquor, for without it life would hardly be worth living. It is to them even as the nectar of the gods. "

From across the Alps, Pope Innocent VIIIth wrote to the Duke of Bourbon :

THE BURGUNDY WINE CAPITAL

AS A NATIVE SEES IT

Agricultural engineer)

By MAURICE MARION

"The wines of Beaune" wrote the late Mr. Gaston Roupnel "have the same soft coloured grace and tenderness which has measured with such discretion, the attraction of things and the movement of the soil".

This is equivalent to praising with an elegant terseness, the latent richness of the Beaunois country, the witchery of its bucolic beauty spots and the irresistible enchantment of its wines.

Beaune, the antique city of art, and metropolis of Burgundy wine, is built at the feet of a group of hills whose digitated position seems to indicate that it had been designed for all eternity.

From the crests of these hills looking towards the east the horizons stretch away sometimes up to the Jura and the Alps filling the eyes with an arresting vision. Nearer at hand the fecund earth has changing aspects. At the foot of the slopes, and almost in the proximity of the summits crowned with fir-trees spreads the rich vignoble which animates the picturesque profiles of the vignerons.

This privileged country was from pre-historic times a place of passage, a traffic highway to the crossways of Western Europe. The great tin road from Great Britain and the salt road (the material from the eastern mines) crossed each other nearby. Thus Beaune was very early opened up to civilisation and indeed in the Gallo-Roman period was an important halting-place.

The existence of the vine and its cultivation among us here goes back to these far-off ages. The nobility of our wines comes from their antiquity; "the race of it is maintained from distant times and was prepared at the base of centuries. It is this which has buried in this frigid and hard soil, a marvellous aptitude which seems almost to live; a virtue so subtle that it is almost a soul or a mystery." (*G. Roupnel*).

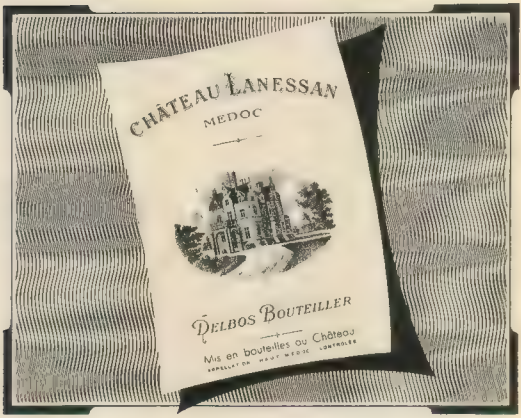
LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification **Classification by owners' names**

CUSSAC

CHATEAU AR... - R... (B...
CHATEAU BEAUMONT Andrade
CHATEAU LA CHESNAYE Gomez
CHATEAU LAMOTHE DE BERGERON Seyrat Doc...
CHATEAU LANESSAN — Delbos-Bouteiller
CHATEAU LE RAUX Drouillard

ANDRADE (...) — Ch... Beaumont
DELBOS-BOUTEILLER — Château Lanessan
DROUILLARD — Château Le Raux
GOMEZ Château Chesnaie
RENOUIL... Château Aney
SEYRAT Docte... G... Château Lamothe de Bergeron



LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification — **Classification by owners' names**

CARS

CHATEAU BARBE. — Carreau (P.)
CHATEAU BEDOU. — Froissard
CHATEAU CLAIRAC. — Eymard (de Campugnan)
CHATEAU CRUSQUET — Gastaud (Etablissement Guilleau Fils et Cie).
CHATEAU HAUTE-SAUVETAT. — Arnaud (C.)
CHATEAU LAGARDE. — Boisfleury (A. de), de Blaye
CHATEAU LA MADELEINE-BOUHOU. — Chaumet (R.).
CHATEAU LESCADRE. — Carreau (P.)
CHATEAU MAYNE-BOYER. — Chaumet (Mme Veuve).
CHATEAU MAYNE-BOYER — Landreau (Mme Veuve A.)
CHATEAU PARDAILLAN . — Robert (J.)
CHATEAU DES PETITS-ARNAUDS. — Meynard-Hérit
CHATEAU PEY-BONHOMME-LES-TOURS. Videau (W.).
CHATEAU PEY-MELON, aux Petits. — Tuffeau (M.)
CHATEAU SOCIONDO. — Pauzet (à Berson)
CRU LE DROU LLARD-PETIT-RAVEAU. — Petit (E.)
DOMAINE DE GAUVIN. — Aubrit (J.).
DOMAINE DE LA CURE. — Robert (Ch.)
DOMAINE LES BLANCS. — Fortin.
DOMAINE DES RICARDS. — Ridois (Ed. Fils.)

ARNAUD (C.). — Château Haute-Sauvetat.
AUBRIT (J.). — Domaine de Gauvin.
BOISFLEURY (A. de) de Blaye. — Château Lagarde
CARREAU (P.). — Châteaux Lescadre et Barbé
CAVE COOPERATIVE.
CHAUMET (Mme Veuve). — Château Mayne-Boyer
CHAUMET (R.). — Château La Madeleine-Bouhou
EYMARD, de Campugnan — Château Clairac.
FORTIN. — Domaine des Blancs
FROISSARD — Château Bedou.
GASTAUD (Etablissements Guilleau Fils et Cie) Château Crusquet.
LANDREAU (Mme Veuve A.). - Château Mayne-Boyer
MEYNARD-HERIT — Château des Petits-Arnauds
PAUZET, à Berson. — Château Sociondo.
PETIT (E.). — Cru Le Drouillard-Petit-Raveau
RIDOIS (Ed. et Fils). — Domaine des Ricards.
ROBERT (Ch.). — Domaine de la Cure
ROBERT (J.) - Château Pardaillan
TUFFEAU (M.). — Château Pey-Melon, Aux Petits
VIDEAU (W.) — Château Pey-Bonhomme-les-Tours.

CARTELEGUE

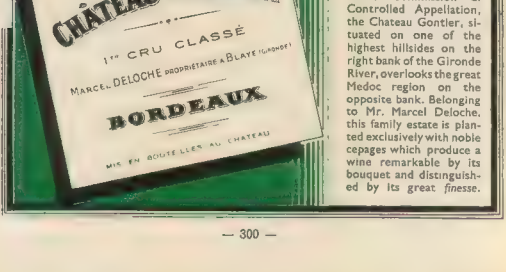
CHATEAU LAFONT. — Gombaud (M.).
CHATEAU LA TUILERIE — Boutin (W.
CHATEAU LES HYMONANS. — Chalnier (V.)
CHATEAU MALLARD — Cochon (G.)

BOUTIN (W.). — Château La Tuilerie
CHALNIER (V.). — Château Les Hymonans
COCHON (G.). — Château Mallard
GOMBAUD (M.). — Château Lafont.

EYRANS

CHATEAU LAMOTHE — Beliand
DOMAINE DE BARBEAU — Meynard (Ch.)

BELLAND — Château Lamothe
BOUYER (Docteur). — La Perotte.
MEYNARD (Ch.) — Domaine de Barbeau



MARGAUX

•

HAUT-MÉDOC

•

The best wines of the Gironde carefully chosen by J. ROORYCK

Vineyard proprietor & Wine Merchant
at MARGAUX (Gironde)

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification **Classification by owners' names**

SAINT-GERMAIN-D'ESTEUIL

CHATEAU BEAULIEU. — Liquard (R.-D.).
CHATEAU DE CASTERA — Degonde (J.-A.).
CHATEAU LIVRAN. — Denman (L.) et Cie Ltd.

DEGONDE (J.-A.). — Château de Castéra
DENMAN (L.) et Cie L. T. D. — Château Livran
LIQUARD (E. et H.). — Château Beaulieu

ORDONNAC-POTENSAC

Bourgeois and Bourgeois supérieur growths

CHATEAU BRION. — Liquard.
CHATEAU GALLAIS. — Compagnie Algérienne.
CHATEAU POTENSAC — Mercier.

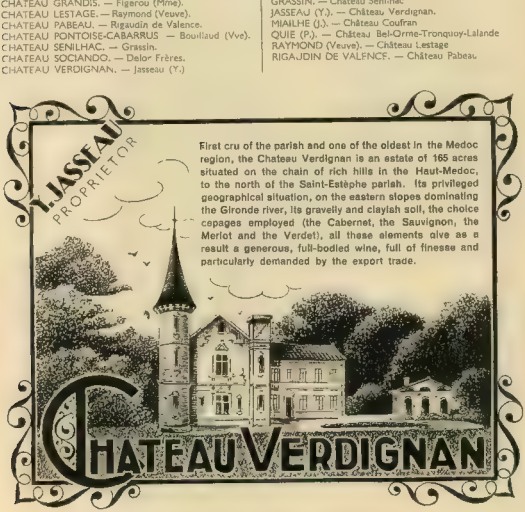
COMPAGNIE ALGERIENNE. — Château Gallais.
LIQUARD. — Château Brion
MERCIER — Château Potensac

SAINT-SEURIN-CADOURNE

Bourgeois and Bourgeois supérieur growths :

CHATEAU BEL-AIR-LAGRAVE. — Dubois-Séguin.
CHATEAU BEL-ORME-TRONQUOY-LALANDE. — Quié (P.).
CHATEAU CHARMAIL. — Chandon (E.).
CHATEAU COUFRAN. — Miailhe (J.).
CHATEAU GRANDIS. — Figerou (Mme).
CHATEAU LESTAGE. — Raymond (Veuve).
CHATEAU PABEAU. — Rigaudin de Valence.
CHATEAU PONTOISE-CABARRUS — Bouillaud (Vve).
CHATEAU SENILHAC. — Grassin.
CHATEAU SOCIANDO. — Delor Frères.
CHATEAU VERDIGNAN. — Jasseau (Y.)

BOUILLAUD (Veuve). — Château Pontoise-Cabarrus
CHANDON (E.). — Château Charmail.
DELOR Frères. — Château Sociando.
DUBOIS-SEGUIN. — Château Bel-Air-Lagrave
FIGEROU (Mme). — Château Grandis
GRASSIN. — Château Senilhac
JASSEAU (Y.). — Château Verdignan.
MIAILHE (J.). — Château Coufran
QUIE (P.). — Château Bel-Orme-Tronquoy-Lalande
RAYMOND (Veuve). — Château Lestage
RIGAUDIN DE VALENCE. — Château Pabeau



II
OCÉAN ATLANTIQUE
GIRONDE
SOULAC
TALAIS
JAU
DIVONNE
VENSAC
CISSAC
VERTHEUIL
CIVRAC
GAILLAN
LESPARRE
ST-SEURIN
ST-GERMAIN
ST-ESTEPHE
VERTHEUIL
MÉDOC
HAUT-MÉDOC

ENTRE-DEUX-MERS. — 10° *highly coloured red wines, full-bodied with plenty of firmness and of an average quality.* (*Yield* 440 *gallons to the acre.*)
10° *light white wines, dry or sweet with a slightly harsh sap. Very variable in quality.* (*Yield* 440 *gallons to the acre.*)

Vin rouge, 10°, coloré, corsé assez ferme, qualité moyenne. (Rend. 50 hl à l'ha.)
Vin blanc, 10°, léger, sec ou moelleux, sève un peu rude. Qualité très variable. (Rend. 50 hl à l'ha.)

—

ENTRE-DEUX-MERS

By PIERRE MARTIN

THE name Entre Deux-Mers is of course a misnomer. Literally translated it indicates the "land between two oceans" whereas in reality is it that lying between the two rivers, the Garonne and the Dordogne It is a very large region, almost equal, in fact, to a quarter of the entire Gironde county or State. It is, *grosso modo*, a kind of spur, uneven, hilly, and interspersed with valleys turned towards the great rivers. The whole of it, despite the variety of the lands, presents nevertheless a certain homogenity, at least so far as the quality of its products is concerned.

The favourite or chosen land for white wines, Entre-Deux-Mers devotes itself almost exclusively to their production.

In a general way, there are very few red wines Indeed most of the viticulturists hardly produce enough for their own consumption. That however is not because the quality of the Entre Deux-Mers red wines is mediocre or negligible. They are, on the contrary, excellent wines from every point of view, and are

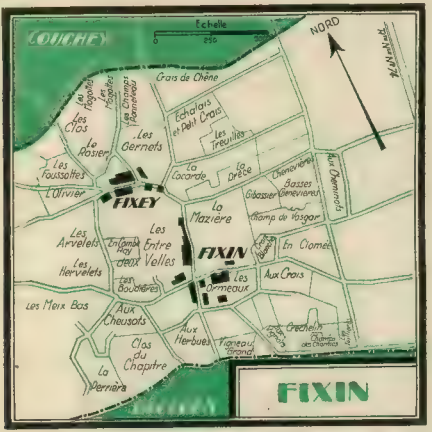
CUBZAGUAIS

By M. E. CHOLLET
President Cubzaguais Viticultural Syndicate

SOME districts proclaim very egotistically the praises of their landscapes and their wines. In so doing they undoubtedly pay tribute to the love of their land, but not infrequently with a complete disregard and lack of tolerance for the claims of others.

The Cubzac district which will yield second place to none, in the matter of its agreeable situation, the fineness of its wines, the antiquity of its customs, the nobilty of its palaces, is however quite willing to make concessions by way of compliment. Rather than indulge in high sounding enc omiums and self glorification, it prefers simply to invite the stranger to visit it and to taste its wines. For those who live abroad, in the East, the South or the North of France, it is an invitation without any time limit and we propose to say now a few words to prepare their trip in order that having once tasted and appreciated our wines, they will desire to know them better.

The Cubzac region has its river, its undulating lowlands, its hills and certain



FIXIN.—A rich and complete red wine of 10°5, perfumed, keeping excellently in bottle. Special note should be made of the CLOS DU CHAPITRE and the remarkable CLOS DE LA PERRIERE. (*Yield* 308 *gallons to the acre.*)

White wine; 11°, *dry and of good average quality.* (*Yield* 308 *galls to the acre.*)

FIXIN First GROWTH or followed by name of vineyard of origin. *Red* 11°; *white* 11°5. (*Yield* 282 *gallons to the acre.*)

FIXIN. — Vin rouge, 10°5, riche et complet, parfumé, excellente tenue en bouteilles. A signaler le CLOS DU CHAPITRE et le remarquable CLOS DE LA PERRIÈRE. (Rend. 35 hl à l'ha.)

Vin blanc, 11°, sec, d'une bonne qualité moyenne. (Rend. 35 hl à l'ha.)

FIXIN 1er CRU *ou suivi d'un nom de climat d'origine.* — Vin rouge, 11°. Vin blanc, 11°5. (Rend. 32 hl à l'ha.)

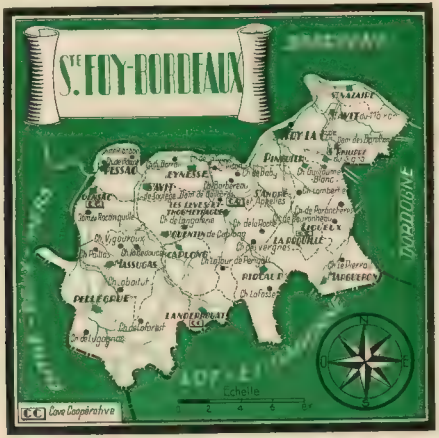
FIXIN

By M. BORDET
Viticultural Syndic at Fixin

The wines of Fixin are well coloured, perfumed, have a good deal of strength and spirit and integrally possess and unite all the qualities which should characterise a wine, properly so-called. They are excellent as well-balanced wines suitable for laying-down and they improve as they age.

Geographically they belong, like those of Brochon, to the Dijonnaise Côte, but have the right to the appellation : "Fine Wines of the Côte de Nuits" as well as that of "Fixin".

The first growths are : La Perrière, Clos du Chapitre and Hervelets.



SAINTE-FOY BORDEAUX.—The 10°5 reds are well coloured, full-bodied carrying a frank taste of the grape. They mature rapidly and can be considered a great ordinary wine. (Yield 396 gallons to the acre.)

The 10°5 white wines are fine, supple, tender, delicate, dry or sweet and sometimes liquorous. (Yield 396 gallons to the acre.)

Rouge, 10°5, coloré, assez corsé, franc de goût. Vieillit rapidement, vin de grand ordinaire. (Rend. 45 hl à l'ha.)

Blanc, 10°5, fin, souple, tendre, délicat, sec ou moelleux et parfois liquoreux. (Rend. 45 hl à l'ha.)

SAINTE-FOY BORDEAUX

The white wines of Sainte-Foy, produced in the majority of cases from the harmonious trinity of cepages: the Semillon, Sauvignon and Muscadelle, are distinguished by their *finesse* and their palate-flattering glycerine-like mellowness, allied with a fairly high alcoholic degree and a bouquet very akin to certain of the great Gironde wines, which fact frequently results in their being termed "The Sautemes of the poor". Vinified sometimes in dry or half-dry types, they acquire the character of the Anjous, of the Saumurs and even of the Rhine wines.

A regrettable error has caused the Sainte-Foy district for some years past to be confounded with that of Entre-Deux-Mers, although profound differences in the qualities of the wines and several judgments of the Courts—notably that of March 24th, 1928, which categorically excluded it—should permit of no

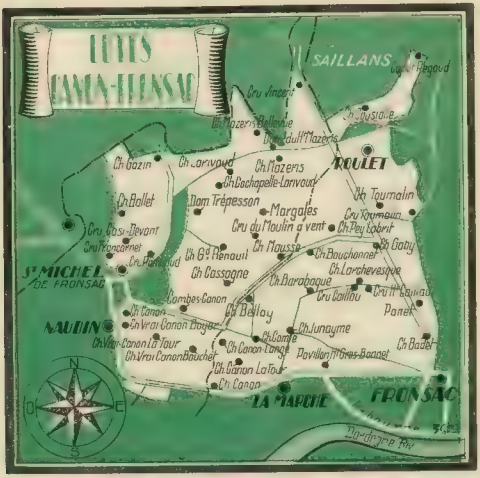
LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification **Classification by owners' names**

COTES DE CANON-FRONSAC

CHATEAU BALLET. — Lachaise (Saint-Michel-de-Fronsac).
CHATEAU BARRABAQUE— Noel (Fronsac).
CHATEAU BELLOY. — Fargeas (R.) (Fronsac).
CHATEAU BODET. — Chaire (Fronsac).
CHATEAU BOUCHONNET. — Pateau (Fronsac)
CHATEAU CANON. — Lemoine (Saint-Michel-de-Fronsac)
CHATEAU CANON. — Bouche (E.) (Fronsac)
CHATEAU CANON-LANGE. — Moreau (Fronsac)
CHATEAU CASSAGNE. — Godard (Saint Michel-de Fronsac)
CHATEAU DES COMBES-CANON. — Bessoudoux (L.) (Saint-Michel-de-Fronsac)
CHATEAU COMTE. — Goizet (Vve).
CHATEAU FRANCARNEY. — Cordelin (Saint Michel de-Fronsac).
CHATEAU GARY. — Kermoel (de) (Fonsac).
CHATEAU DU GAZIN. — Robert (G.) (Saint-Michel-de-Fronsac)
CHATEAU GRAND RENOUIL. — Ponty (L) (Saint-Michel-de-Fronsac).
CHATEAU HAUT-MAZERS-BEL-AIR. — Alleaume (Saint-Michel-de-Fronsac)
CHATEAU LA CHAPELLE-LARIVEAU. — Ravas (E.) (Saint-Michel-de-Fronsac)
CHATEAU LARCHEVESQUE. — Viaud (Fronsac).
CHATEAU LARIVEAU — Dupuy (J.) (Saint-Michel-de-Fronsac).
ALLEAUME. — Château Haut-Mazeris Bel-Air (Saint-Michel-de-Fronsac)
BESSOUDOUX (L.). — Château des Combes-Canon (Saint-Michel-de-Fronsac)
BOUCHE (Edg.) — Château Canon (Fronsac)
BUSSIER — Château Mazeris-Belevue (Saint-Michel-de-Fronsac).
BUSSIER (Hervé). — Château Vrai-Canon, (Saint-Michel-de-Fronsac).
CHANE. — Château Bodet (Fronsac)
CLEON (A.) — Château Mausse (Saint-Michel-de-Fronsac)
CONDEMINE. — Château Vrai-Canon-Bouche (Saint-Michel-de-Fronsac)
CORDELIN. — Château Francarney (Saint-Michel-de-Fronsac)
COURNAUD. (de) — Château Mazeris (Saint-Michel-de-Fronsac)
DE KERMOEL. — Château Gary (Fronsac)
DUCOURS. — Domaine de Trepesson-Lalonde (Saint-Michel-de-Fronsac)
DUPUY (J.). — Château Lariveau (Saint-Michel-de-Fronsac)
FARGEAS (R.). — Château Belloy (Fronsac)
FROIDEFOND. — Domaine de Trepesson (Saint-Michel-de-Fronsac).
GODARD — Château Cassagne (Saint-Michel-de-Fronsac).
GOIZET (Vve). —Château Comte
GUICHARD. — Domaine du Haut-Caillou (Fronsac)

CHATEAU DES TROIS-CROIX
R. LAMOLIÈRE, PROP. FRONSAC (Gironde)



COTES CANON-FRONSAC — 10'5 *full-bodied red wines, with plenty of substance, firm with a beautiful dark red colour and an original and slightly spiced flavour. Sometimes very great wines. (Yield 370 gallons to the acre.)*

Vins rouges, 10°5, corsés, charnus, fermes, belle couleur rouge foncé, saveur originale légèrement épicée. Très grands vins parfois. (Rend. 42 hl a l'ha.)

THE CANON FRONSAC COTES

A few steps from Libourne, on the right bank of the Dordogne river, there rises a series of heights, harmonious in form, from which across the valley, an incomparable panorama comes into view. These are the Fronsac hills so greatly frequented and admired by all the trippers to this district.

Everything seems to combine to give delight to the eye : far and luminous horizons, a fertile land of varied aspects, chateaux, mansions and cosy houses scattered in profusion within a most enchanting framework, orchards and green parks, enfolding a rich vignoble whose aspect is neither rigid nor monotonous. Above all, a climate which knows neither the harsh winters of the North nor the arid dryness of the Southern summers. No one can contemplate this wonderful landscape without the verses of Roland springing instantly to the lips, those in which he described : *The green sweetness of the evenings on the Dordogne.*

With so many propitious circumstances, it is not at all astonishing that the hillsides of Fronsac produce a wine comparable with the beauty of the scenery, a wine universally known and appreciated.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification **Classification by owners' names**

DONZAC

CHATEAU SAINT-GERMAIN.
CLOS DE ROGUELOS. — Alles (Cl.).
CRU DARBOT.
CRU DE CRANNE. — Patachon (C.).
CRU DU FILH — Patachon (P.).
CRU DE GIRAUBADE. — Espenan (Veuve et Fils).
CRU HAUT-GIRAUBADE. — Saint-Jean (A. et Fils).
CRU LAVIALLE. — Coiffard (J.).
CRU TARREY DE CASTET.
CRU DU VIEUX-CHÊNE.
DOMAINE DE MAURIN.
DOMAINE DE PILET. — Esquerre et Lacaze Fr.
DOMAINE DU PIN-FRANC. — Queyrens (R.) et Crachereau (J.).
DOMAINE DE PRENDS-T'Y-GARDE. — J. David.
DOMAINE DE ROSIER. — Crachereau.

ALLES (Cl.). — Cru de Roguelos.
COIFFARD (J.). — Cru Lavialle
CRACHEREAU — Domaine de Rosier et
DAVID (J.). — Domaine de Prends-t'y Garde.
ESPENAN (Veuve et Fils). — Cru de Giraubade
ESQUERRE ET LACAZE FRERES — Domaine de Pilet
PATACHON (C.). — Cru de Cranne.
PATACHON (P.). — Cru du Filh.
QUEYRENS (R.) ET CRACHEREAU (J.). — maine du Pin-Franc
SAINT-JEAN (A. et Fils). — Cru Haut-Giraudad

Premières Côtes de Bordeaux

DOMAINE DE PILET

DONZAC

MM. ESQUERRÉ et LACAZE Frères
PROPRIÉTAIRES
VENTE EXCLUSIVEMENT EN CERCLES

DOMAINE DE PONCET

PREMIÈRES CÔTES DE BORDEAUX
APPELLATION CONTROLÉE

DOMAINE DE PONCET
OMET (GIRONDE)

MISE EN BOUTEILLE AU DOMAINE — J DAVID PROPRIÉTAIRE

OMET
(GIRONDE)
1ER GRAND CRU

PREMIÈRES CÔTES DE BORDEAUX
APPELLATION CONTROLÉE

DOMAINE
DE PRENDS-TY-GARDE
DONZAC (GIRONDE)

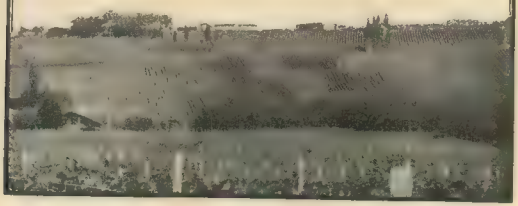
MISE EN BOUTEILLE AU DOMAINE — J DAVID PROPRIÉTAIRE

PREMIÈRES [illegible] DE BORDEAUX
APPELLATION CONTROLÉE

CRU DÉZARNEAULD
LAROQUE (GIRONDE)

MISE EN BOUTEILLE AU DOMAINE — J DAVID PROPRIÉTAIRE

The viticultural estate, known as the DOMAINE de PONCET, overlapping and spanning a range of specially sunny mamelons or rounded hillocks, directly overhangs the Gironde Valley. For many centuries the wines grown here have been justly appreciated. The vineyard is situated in a most privileged position, facing full south, whilst its altogether exceptional soil is planted with nothing but cepages of the first order. Owing to its adjunction to the vineyards of the "Domaine de Prends-ty-Garde" and of the "Cru Dézarneauld" formerly denominated right bank Sauternes, the "Domaine de Poncet" is in a position to supply a whole range of fine wines of the greatest variety. White wine plants are grown on approximately 100 acres of land.



SAINTE-CROIX-DU-MONT. — Great white wine of 13°, golden in colour, soft and sweet, highly perfumed, full of savour and very delicate. An excellent dessert wine which may be honourably classed very close to the SAUTERNES. (*Yield* 352 *gallons to the acre.*)

Grand vin blanc, 13°, doré, liquoreux, parfumé, seveux et très fin. Excellent vin de dessert qui se classe fort honorablement près du SAUTERNES. (Rend. 40 hl à l'ha.)

CADILLAC

By **A. B. DARRIET**

The geographical situation of Cadillac shows at once that this charming old city and the vineyards which dominate it, occupy an immediate position adjoining the great white wine district of controlled appellations in the Gironde.

In this way by occupying a selected place in the controlled appellation of the Premières Côtes de Bordeaux the name of Cadillac is, at the same time, associated with the wonderful renown of that portion of the Gironde territory.

Principal town of the district or canton, on the right bank of the Garonne, Cadillac is invested by the parishes of Loupiac and Cerons, and is not far from Sainte-Croix-du Mont and Sauternes. The nature of the soil, the cepages and the care bestowed upon the vinification have largely assisted in giving, to these wines, a solid reputation in this eminently privileged country.

FIRST COTES OF WHITE BORDEAUX — *The 11 5 white wines are delicate possessed of a fine bouquet, sometimes soft and sweet, but it is in their dry or half-dry types that their original and delicate sap is the most pronounced.* (*Yield 352 gallons to the acre.*)

Les blancs, 11es, sont fins, bouquetés, parfois liquoreux, mais c'est à l'état sec ou demi-sec que ressort le mieux leur sève originale et délicate (Rend 40 hl à l'ha.

BEAUNE.—Red wines. A great delicacy of flavour and aroma characterises the red wines which are very generous without being too heady. Best quality first growths LES FEVES, LES GREVES, LES MARCONNETS, LES BRASSANDES and LES THEURONS. (Yield 398 gallons to the acre.) The 11° white wines are dry, rich and delicate.

BEAUNE First Growth or followed by the name of the vineyard of origin.—Red wines 11°. (Yield 308 gallons to the acre.) Whites 11°5. (Yield 282 gallons to the acre).

COTE DE BEAUNE.—Reds 10°5 ; whites 11° generally lighter than the aforenamed. (Yield 308 gallons to the acre.)

COTE DE BEAUNE VILLAGE.—Red wines 10°5 and whites 11° are those which emanate from different parishes. (Yield 308 gallons to the acre.)

BEAUNE. — Vins rouges, 10°5. Une grande finesse de saveur et d'arome caractérise les vins rouges, très généreux sans être trop capiteux.

Têtes de cuvée : LES FEVES, LES GREVES, LES MARCONNETS, LES BRESSANDES, LES THEURONS. (Rend. 35 hl à l'ha.)

Les vins blancs, 11°, sont secs, riches et délicats.

BEAUNE 1er CRU *ou suivi d'un nom de climat d'origine.* — Vins rouges, 11°. (Rend. 35 hl à l'ha.) Vins blancs, 11°5. (Rend. 32 hl à l'ha.)

COTE DE BEAUNE. — Vin rouge, 10°5, et blancs 11°, généralement plus légers que les précédents. (Rend. 35 hl à l'ha.)

COTE DE BEAUNE VILLAGE. — Vins rouges, 10°5, et blancs, 11°, sont ceux qui proviennent des communes différentes. (Rend. 35 hl à l'ha.)

The CHANSON Cellars at the beginning of the Nineteenth century and as they have been kept up.

Vins fins de Bourgogne

ESTABLISHED 1750

CHANSON Père & Fils

Wine Growers and Shippers

BEAUNE (Côte-d'Or)

HOUSE ESTABLISHED IN 1844

LÉON VIOLLAND

WINE-MERCHANT AND VINEYARD-OWNER

at **Beaune, Corton, Pommard, Savigny (Côte-d'Or)**

Phone BEAUNE 203

LOUIS AFFRE

VINEYARD PROPRIETOR

House established in 1823

AT BEAUNE :
Clos du Roi - Marconnets
Grèves - Bressandes
Genets - Theurons, etc.

AT SAVIGNY :
Vergelesses - Liard
Serpentières - Roichottes
etc.

One of the finest reflections of a vigneron that I know is quoted by a great epicure in his brochure, "The Beaujolais and Its Wines:"

"I heard around a plentifully supplied harvest table the vignerons boasting their wines. But one of them remained silent. To incite him to speak someone launched the gibe: And you, why don't you speak of your wine? It is not even classified!'

"With perfect bonhomie the man replied. 'It is quite possible that it may not be classified, but it makes me very happy all the same!'"

In conclusion let me borrow a few lines from a colleague of mine who knows and loves better than any other our splendid Beaujolais:

"I see once more a dear and worthy man who every year towards mid-November, takes the hillside road to Beaujeu. He goes to buy the wine that has been harvested that year. A serious mission upon which is suspended all his commercial honour. He goes from Brouilly to Juliénas, from Montmerle to Saint-Lager.

"He returns in the evening a victim of what is facetiously called 'the Beaujolais influenza', singing hilariously, full of generous good-will, of jolly gaiety, having struck a good bargain with a viticulturist for the whole of his crop.

I, a mere ignorant school-child in a black apron, look at him in sheer admiration not knowing where are situated these marvellous places, from which he has returned, as a soldier returning from victorious wars, with a halo of glory and gaiety surrounding him. And I remark to him: 'When I am a man, I too shall go to that land of marvels'. He replies: 'We shall go together my lad! We will go together!' "O'my daddy!"

Established 1852

FINEST OLD RED BEAUJOLAIS WINES

CHAUVET Frères & Co

LA CHAPELLE DE GUINCHAY

en BEAUJOLAIS (France)

Saint-Amour

AU PARADIS — A LA FOLIE

AUX MALÉCHAUDES

JEAN TERRIER

SAINT-AMOUR-BELLEVUE (S.-et-L.) TÉL. 21

Seventeen hundred and thirty-eight acres of hillside vinelands looking eastwards, whose altitude varies between 750 and 850 feet, constitute this old vineyard with its unchanging reputation.

The soil is quite shallow, 10 feet being its maximum depth It is entirely composed of crumbling pink granite It is known as the "gore" or "gres" and it is this which has sanctioned the restrictive, controlled appellation of its wine. One can say of it that 'the extremity of its vine plant root seeks its sap in and from the very rocks themselves."

Certain of the growths emanating from the sub-soil with its dioxide of magnesia base, are usually very full-bodied and it is to this composition of the soil that these wines of race, owe their special and particular *cachet*.

BURGUNDY WINES

J. A. TAQUET

Vineyard Owner & Wine-Merchant
A MACON
16, R. BIGONET
MACON-FRANCE

VIGNOBLES-FLEURIE
MOULIN A VENT

Téléphone : 6-24
R. C. Macon 7235

L'HÉRITIER GUYOT
MAISON FONDÉE EN 1...45
DIJON-FRANCE
VIGNOBLES
A CHAMBOLLE MUSIGNY
CLOS DE VOUGEOT ETC...
PROPRIETAIRES EXCLUSIFS DU CLOS BLANC DE VOUGEOT
Clos Blanc de Vougeot
L'Héritier-Guyot
GRANDS VINS DE BOURGOGNE

1921
CLOS-VOUGEOT
APPELLATION CONTROLÉE
Ets A NOIROT-CARRIÈRE
NÉGOCIANTS
DIJON & CHATEAU DU CLOS-VOUGEOT
VINS DE BOURGOGNE
Ets A NOIROT-CARRIERE
DIJON BOURGOGNE. FRANCE
SEULE MAISON AYANT DES CHAIS AU CHATEAU DU CLOS VOUGEOT
monopole de la mise au chateau

VOUGEOT.—A 10°5 red wine. Its principal which is above all classification is the CLOS DE VOUGEOT. The other wines do not surpass a very good average quality. (Yield 308 gallons to acre.)

White 11°5 wine. The CLOS BLANC DE VOUGEOT produces a remarkable, powerful, dry, unctuous wine with a very marked bouquet. (Yield 264 gallons to the acre.)

VOUGEOT First GROWTH or followed by the name of a vineyard of origin.—*Red 11°; white 11°5. (Yield 282 gallons to the acre.)*

CLOS DE VOUGEOT.—A sumptuous 11°5 red wine with plenty of substance and delicate. Its dominating character is its exceptionally well developed bouquet (Yield 264 gallons to the acre.)

Also an 11°5 dry, fine white wine with a most definitely developed bouquet. (Yield 264 gallons to the acre.)

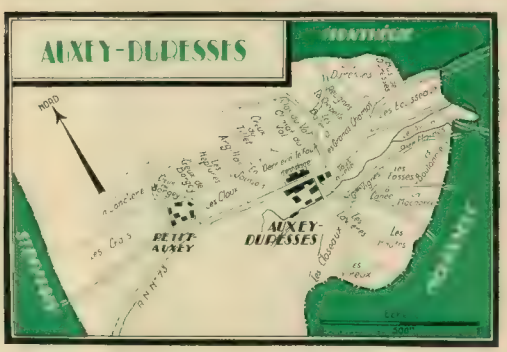
VOUGEOT — Vin rouge, 10°5. Sa tête de cuvée hors classe est le CLOS DE VOUGEOT. Les autres vins ne dépassent pas une bonne qualité moyenne. (Rend. 35 hl à l'ha.)

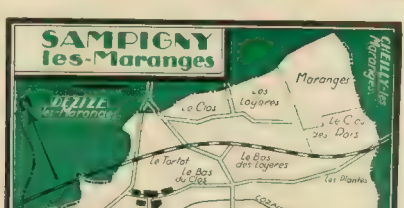
Vin blanc, 11 5. LE CLOS BLANC DE VOUGEOT produit un vin remarquable, puissant, sec, moelleux et très bouqueté. (Rend. 30 hl à l'ha.)

VOUGEOT 1er CRU *ou suivi d'un nom de climat d'origine.* — Vin rouge, 11°. Vin blanc, 11°5. (Rend. 32 hl à l'ha.)

CLOS DE VOUGEOT. — Vin rouge, 11°5, somptueux, charnu et délicat, profond. Caractere dominant . bouquet exceptionnellement développe. (Rend 30 hl à l'ha.)

Vin blanc, 11°5, sec, fin et très bouqueté. (Rend. 30 hl à l'ha.)


AUXEY-DURESSES
MONTAGNE
NORD
PETIT-AUXEY
AUXEY-DURESSES
Les Duresses
Les Ecussaux
Les Tessons
Les Poutures
Les Reuvons
Les Crais
Les Cras
Les Chaux
Les Clous
Les Petits Clous
Les Boutonniers
Les Bas de Combe
Les Combes
Les Ecusse



SAMPIGNY-LES-MARANGES; SAMPIGNY-MARANGES-COTE DE BEAUNE.—11° *white;* 10°5 *red; light dry and fruity wines. Small production. (Yield* 308 *gallons to the acre.)*

SAMPIGNY-LES-MARANGES First GROWTH or followed by the name of the vineyard of origin.—*White* 11°5 ; *red* 11°. *(Yield* 308 *gallons to the acre.)*

SAMPIGNY-LES-MARANGES ; SAMPIGNY-LES-MARANGES-COTE DE BEAUNE. — Vin blanc, 11°. Vin rouge, 10°5, secs, légers et fruités. Faible production. (Rend. 35 hl à l'ha.)

SAMPIGNY-LES-MARANGES 1er CRU *ou suivi d'un nom de climat d'origine.* — Vin blanc, 11°5. Vin rouge, 11°. (Rend. 35 hl à l'ha.)

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

SAMPIGNY

ADENOT (Louis). — Champbreton, Les Godets, Les Loyères. – (See Dezize et Cheilly.)
BACHELET (Bernard). — (See Dezize).
BACHELET-BRAZEY. — Maranges. — (See Dezize et Chassagne-Montrachet.)
BŒUF (et ses Fils) et BŒUF (P.). — En Maranges, Clos des Rois. — (See Cheilly, Dezize, Meursault.)
BOILLOT (François). — Les Maranges. — (See Dezize, Cheilly, Santenay.)
BOURDIER (Joseph). — Bulliet. — (See Dezize, Cheilly, Santenay, Remigny.)
BRAZEY (Joseph). — En Maranges. — (See Dezize, Cheilly, Santenay.)
BRAZEY (Mlle). — Les Maranges, Les Loyères.
BRESSON-DEMANGEOT. — Clos des Rois. — (See Cheilly, Dezize.)
BRESSON (Vve Henri). — Clos des Rois. — (See Cheilly)
BUTHIAU-MARINOT. — Mitanchone. — (See Cheilly.)
BUTHIAU-MOINE. — Groselliére. — (See Cheilly.)
CAS (Claude). — Les Maranges, Clos des Rois. — (See Cheilly-les-Maranges.)
CHAMPENOIS Fils. — Clos du Roi. — (See Santenay.)
CHAUVEAU (Fernand). — Les Maranges, Bas-du-Clos, Les Loyères.
CLAIR (Gustave) — Clos de Thury. - (See Dezize, Cheilly, Santenay.)
CLAIR (Louis) Buly. — (See Cheilly, Dezize.)
CLAIR PREVOST. (See Cheilly, Santenay, Dezize)
DEMEME (Maurice). — Le Clos, Les Crapillones. — (See Cheilly, Dezize.)
DUCHEMIN (Aristide). — Les Maranges, Le Clos. — (See Cheilly.)
DUMAY (Paul). — Clos du Roi. — (See Cheilly.)
FORIN (Charles). — En Maranges, Clos Lormier. — (See Dezize, Cheilly, Saint-Aubin, Meursault.)
GIRAUD (Charles), de Meursault. — (See Pommard, Pulligny, Vénay.)
LAVAUX (Charles). — Clos du Roi, Les Plantes.
LAVIROTTE (Pierre). — Les Maranges, Clos du Roi, Les Loyères, Les Clos.
LEGER (Paul). — Champbreton, Clos des Rois, Clos Rousseau, Les Plantes. — (See Dezize, Cheilly, Santenay.)
LESEUIL (Louis) Père et Fils. — Loyères, Champbreton, Gaudet. — (See Dezize, Cheilly, Santenay.) Les Plices, Les Hates, La Coûme. — Ses Chassagne-Montrachet.
LORANCE (Georges). — Les Maranges, Le Bas-du-Clos. Les Clos — (See Dezize et Cheilly.)
MARINOT (L.-B.). — Les Maranges, Clos-des-Rois.
MARTIN Père et Fils. — Les Maranges, Clos des Rois.
PREVOST (Charles). — En Maranges. — (See Dezize, Cheilly, Santenay.)
PREVOST-MONIN. — Les Clos du Champbreton. — (See Dezize, Santenay.)
SARTOR PERE ET FILS. — Les Loyères. — (See Dezize, Cheilly.)
TACNET (André). — Les Maranges, Bas-du-Clos. — (See Cheilly.)

From it emerges a generous wine with plenty of consistency, a robust constitution, a beautiful robe of dissolved garnet-red, and carrying an agreeable and characteristic flavour of the soil.

Locally it is said, with a play upon their place name, that these wines "morgonnent." They owe this special *cachet* to the soil, which in part at least, is constituted of disintegrated shale and schist, called in this district "the rotten lands."

The Morgons are the most "resistant" of all the Beaujolais and for that reason they can be consumed when they are several years old.

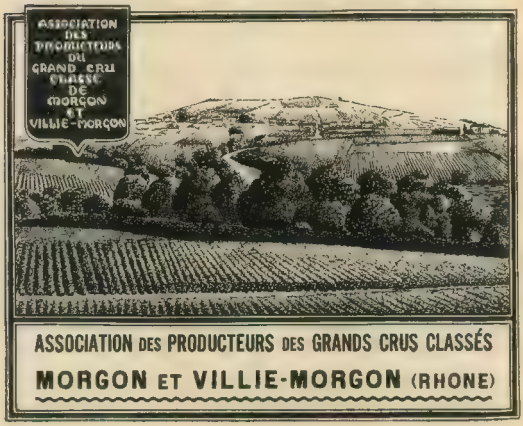
By a decree dated November 11th, 1930, controlled appellations can be claimed by all the viticulturists whose lands are planted with the red Gamay giving a white juice, so long as they are situated within the delimited area shown on the plan.

The appellation Morgon applies to the parts left white on the map, which carry a minimum yield of 352 gallons to the acre during five years.

The appellation of Beaujolais-Villié Morgon, is applied to those striped parts on the plan, so long as they have an alcoholic strength of 9°5 and a maximum yield of 396 gallons to the acre during five years.

There is no vinification Co-operative Cave, each viniculturist preferring to make his wine, as a rule, at his own place and with his own plant

Certain of the vineyard proprietors whose plantations enjoy the Morgon appellation, put up in the very best years a very fine wine, always eagerly sought for which can be consumed when it is between five to ten years old.



MORGON.—Red wines of 10°, "fleshy", full bodied with a very special savour. Among the most robust of all the BEAUJOLAIS wines. (*Yield 352 gallons to the acre.*)

MORGON followed by the name of the vineyard of origin. 11° red wines. (*Yield 352 gallons to the acre.*

MORGON. — Vins rouges, 10°, charnus, corsés, avec une saveur particulière, des plus robustes du BEAUJOLAIS. (Rend. 40 hl à l'ha.)

MORGON, *suivi d'un nom de climat d'origine.* — Vin rouge, 11°. (Rend. 40 hl à l'ha.)

MORGON

"Let us salute this great wine of Morgon," cried Léon Foillard.

Its vignoble, which surrounds the hamlet of Morgon itself, with its narrow streets and its ancient dwellings is sub-divided into a number of different plantations, the principal of which is called "Le Py." This is a kind of elongated crest covered with a brown soil and adorned with the most famous of cepages.

LES RONCIÈRES **NOLIN LUCIEN** LES CHAIGNOTS

PROPRIÉTAIRE-RÉCOLTANT

NUITS-St-GEORGES **(Côte-d'Or)**

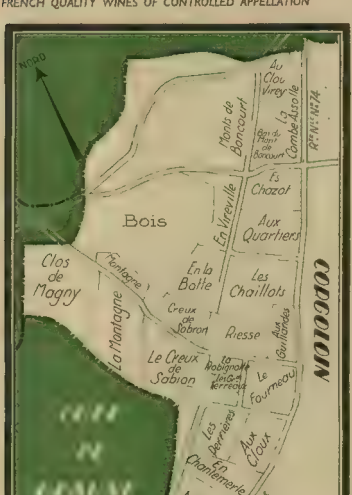
MISE DU DOMAINE 1937

NUITS-ST-GEORGES

CLOS DES PORRETS St-GEORGES

Domaine H. GOUGES, at Nuits-Saint-Georges (Côte d'Or)

BOURGOGNE



CORGOLOIN. — This parish has the right to the appellation of "FINE WINES OF THE COTE DE NUITS".

Reds 10°5.

Whites 11°.

Robust highly coloured wines with plenty of bouquet. The Clos de Langres has a very good reputation. (Yield 308 gallons to the acre.)

Cette commune a droit à l'appellation « VINS FINS DE LA COTE DE NUITS ».

Vins rouges, 10°5.

Vins blancs, 11°

Vins robustes, colorés et assez bouquetés. Le Clos des Langres a une bonne réputation. (Rend. 35 hl à l'ha.)

CORGOLOIN

High Class wines of:
"VINS FINS DE LA COTE DE NUITS"

The viticultural reputation which Corgoloin, (situated in the south of the Nuits Côte) has enjoyed for some years, is due entirely to the excellence of its fine wines. They are entitled to the appellation of Fine Wines of the Nuits Côte, becausethey have all their characteristics.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

CORGOLOIN

ANDRE (P.-A.). — Clos des Langres.
BARBERET-SEGUIN. — Guillaudes, Chantemerle Monts-de-Boncourt.
BOUHEY-ALLEX. — Clos de Magny.
CHAUDAT (Claude). — Creux-de-Sobron.
COCHE (Henri). — Clos Magny, Montagne, Monts-de-Boncourt, Chazots, Corton.
COCHE (Georges). — Creux de Sobron.
CORNU (Alexandre). — Clos de Magny
DESERTAUX (Pierre). — Perrières, Chazots
FORNEROL (Edouard). — Perrières, Clou-Viray.
FORNEROL (Henri). — Fourneaux, Perrières.
GIROUX (Louis). — Chaillots, Chazots, Montagne, Vireville.
GUILLEMIER-SAUVAIN. — Robignotte, Montagne, Creux-de-Sobron.
GUILLEMIER (Robert). — Robignotte, Chaillots Montagne
JOANNET (Théodore). — Perrières, Fourneaux.
LEPAGNIER (Henri). — Montagne, Monts-de-Boncourt.
LORANCHET (Jules). — Chaillots, Montagne.
MAITROT-RENEVET. — Langres, Vireville, Creux-de-Sobron.
MONNOT-DHIVERT. — Chaillots, Montagne.
MORAND (Théodore). — Clou-Guillaudes, Chaillots, Terreaux.
PIERROTE (Eugène). — Chantemerle, Vireville.
POIROL (Henri). — Montagne, Monts-de-Boncourt.
SIMON (Alphonse). — Clou, Montagne, Aux Perrières.

PERNAND VERGELESSES ; PERNAND VERGELESSES COTE DE BEAUNE. — 10°5 *red wines, rich, firm, full-bodied. The best have the advantage of the appellations* CORTON *and* ALOXE-CORTON. (*Yield* 308 *gallons to the acre.*)

White wines 11° *dry, full-bodied, with plenty of bouquet. The best enjoy the appellations of* CORTON CHARLEMAGNE *and* CHARLEMAGNE. (*Yield* 308 *gallons to the acre.*)

PERNAND VERGELESSES 1*er* CRU. or followed by the name of the vineyard of origin. — *Red wines* 11° ; *White wines* 11°5. (*Yield* 308 *gallons to the acre.*)

PERNAND - VERGELESSES ; PERNAND - VERGELESSES - COTE DE BEAUNE. — Vins rouges, 10 5, riches, fermes, corsés. Les meilleurs bénéficient des Appellations : CORTON et ALOXE CORTON (Rend. 35 hl a l'ha)

Vins blancs, 11°, secs, corses et bouquetés. Les meilleurs beneficient des appellations : CORTON - CHARLEMAGNE et CHARLEMAGNE. (Rend. 35 hl. à l'ha.)

PERNAND-VERGELESSES 1er CRU *ou suivi d'un nom de climat d'origine.* — Vins rouges, 11°. Vins blancs, 11°5. (Rend. 35 hl à l'ha.)

POUILLY-FUISSÉ, POUILLY-VINZELLES, POUILLY-LOCHÉ.—Excellent 11° white wine, dry but unctuous, heady, beautiful golden green colour with a great deal of bouquet; sometimes equals the MEURSAULT in value. (Yield 396 gallon to the acre.)

These same appellations followed by the name of the vineyard of origin 12° white wine. (Yield 396 gallons to the acre.)

LA FRÉRIE
LES BOUTHIÈRES
Pouilly-Fuissé
APPELLATION CONTRÔLÉE
POUILLY
LES QUARTS
AUTRES VIGNOBLES
JULIÉNAS
Appellation contrôlée
CHÉNAS
Appellation contrôlée
A SOLUTRÉ-POUILLY (S.-L.) Edmond LANEYRIE A LA CHAPELLE DE GUINCHAY (S.-L.)
BEAUJOLAIS

LADOIX; LADOIX-COTE DE BEAUNE.—10°5 *red wines. The rich, firm, First Growths with their fine bouquet resemble the ALOXE-CORTON wines and have the advantage of that appellation. (Yield* 308 *gallons to the acre.)*

LADOIX First GROWTH or followed by the name of the vineyard of origin *and LADOIX COTE DE BEAUNE First GROWTH* or followed by the name of the vineyard of origin.—*Red* 11° ; *Wites* 11°5. *(Yield* 308 *gallons to the acre.)*

LADOIX ; LADOIX-COTE DE BEAUNE. — Vins rouges, 10°5. Dans les 1ers crus, riches, fermes, bouquetés, ressemblent aux vins d'ALOXE-CORTON et bénéficient de cette appellation. (Rend. 35 hl à l'ha.)

Vins blancs, 11°, agréables, légers et bouquetés. (Rend. 30 hl à l'ha.)

LADOIX 1er CRU *ou suivi d'un nom de climat d'origine* et LADOIX COTE DE BEAUNE, 1er CRU *ou suivi d'un nom de climat d'origine.* — Vin rouge, 11°. Vin blanc, 11°5. (Rend. 35 hl à l'ha.)

DEZIZE-LES-MARANGES; DEZIZE-LES-MARANGES-COTE DE BEAUNE.—Red wines 10°5. *White wines* 11°. *Generous, fine and with enough bouquet.* (*Yield* 308 *gallons to the acre.*)

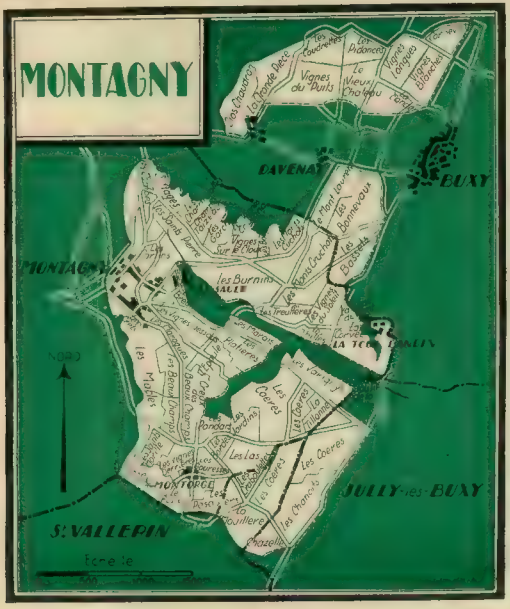
DEZIZE-LES-MARANGES First GROWTH or followed by the name of the vineyard of origin. *Reds* 11°. *White* 11°5. (*Yield* 308 *gallons to the acre.*)

DEZIZE-LES-MARANwES ; DEZIZE-LES-MARANGES-COTE DE BEAUNE. — Vin rouge, 10°5. Vin blanc, 11°. Généreux, fins et assez bouquetés. (Rend. 35 hl à l'ha.)

DEZIZE-LES-MARANGES 1er CRU *ou suivi d'un nom de climat d'origine.* — Vin rouge, 11°. Vin blanc, 11°5. (Rend. 35 hl à l'ha.)

GENDRE MAUPOIL
Dezize-lès-Maranges
CLOS DE CHAMBERTON
CLOS DES DOMELLES
CLOS DES CHAMBEAU

BACHELET-BRAZEY
ET
BERNARD BACHELET
PROPRIÉTAIRES-VITICULTEURS
A
DEZIZE LES MARANGES
(SAONE-ET-LOIRE)
CHASSAGNE-MONTRACHET
(CÔTE D'OR)



MONTAGNY

The white-wine vineyard of Montagny planted with the Chardonnay, is situated on a steep hillside admirably exposed to the sun, overlooking Buxy.

It deserves a special mention since its wine is delicious, fresh, light, and *petillant* or semi-sparkling and bears always an agreeable bouquet. Its producers claim that it can rival the best wine of the Châlonnaise Côte It is certain that its reputation surpasses more and more that of a mere regional or district or parish wine.

Vins fins du Maconnais et du Beaujolais
Desvignes Aîné & Fils
à Pontanevaux (S.-L.)
Maison fondée en 1864

gravel soils are found in considerable quantities in this part of the Gironde, but in less quantities than the sandy-gravelly layers, the thickness of which vary between 2 and 9 feet at most".

The Graves district commences in the north on the Médoc border. It encircles Bordeaux and then, magnificently framed by the river and the beautiful Girondian forest, it stretches away to the Sauternes region which it surrounds. This stretch of vinelands 31 miles long and from 9 to 12 miles wide, includes forty-three parishes, grouped into a kind of trade federation, under the title of the Graves Viticultural Syndicate, whose main function is to be for ever vigilantly alert to see that nothing transpires which can tarnish the good name and the fine reputation of the Graves wines.

The principal vine plants for the red wines are the Vidure-Savignonne (Cabernet-Sauvignon), the Petit-Vidure (otherwise the Small Cabernet), the Cabernet-Franc, the Petit-Verdot, the Carbonet (Carmenèze), the Merlot and the Malbec.

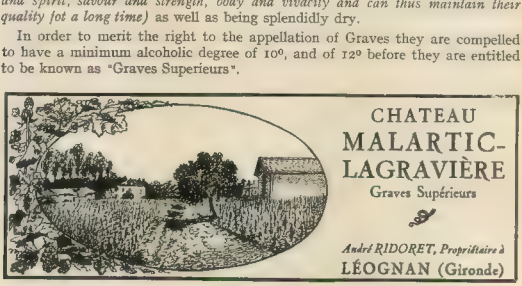
For the white wines, on the other hand, the cépages are mostly the Sauvignon, the Semillon and the Muscadelle.

The tourist and the wine epicure (who are often one and the same person) will find it well worth while to stop for a short period in this district in order to admire the Chateau of the Black Prince, and above all, among the numerous seigneural and bourgeoisies mansions, the Chateau of Montesquieu (the home of the illustrious French writer and friend of Lord Chesterfield) at La Brède. The great and broad-minded publicist who gave the world the first conception of what "progress" really meant, lived in his later years very near to his vineyard and used to watch the ripening grapes, until he could personally supervise their vinification. It is recorded that work in the vineyards never palled with him and that it was never too early in the dawn for him to foregather with his vignerons and to lend a helping hand.

The red wines of Graves are exceedingly fine; delicate and creamy, they glide down the throat with a caressing and velvety silkiness.

The white wines are more or less liquorous and endowed with a most agreeable perfume. Some of them are distinctly *"nerveux" (in other words combining body and spirit, savour and strength, body and vivacity and can thus maintain their quality for a long time)* as well as being splendidly dry.

In order to merit the right to the appellation of Graves they are compelled to have a minimum alcoholic degree of 10°, and of 12° before they are entitled to be known as "Graves Supérieurs".



CHATEAU VEYRES
A PREIGNAC-SAUTERNES
M BARBAROU
PROPRIETAIRE
MÉDAILLE D'OR
Sauternes
APPELLATION CONTROLEE

Grand Vin de Sauternes
Château d'Armajan
des Ormes
Sauternes
APPELLATION CONTRÔLÉE
Armand Gallice
PREIGNAC-SAUTERNES
(GIRONDE)
Mise en Bouteilles au Château

Cru MÉDOUC

Médaillé Londres et Bruxelles

M^rs M. BÉRARD

PROPRIÉTAIRE

Sainte-Croix-du-Mont

(GIRONDE)

Domaine de Bougan

SAINTE-CROIX-DU-MONT

APPELLATION CONTROLÉE

Marc SACRISTE

— PROPRIÉTAIRE —

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Châteaux and estate classification **Classification by owners' names**

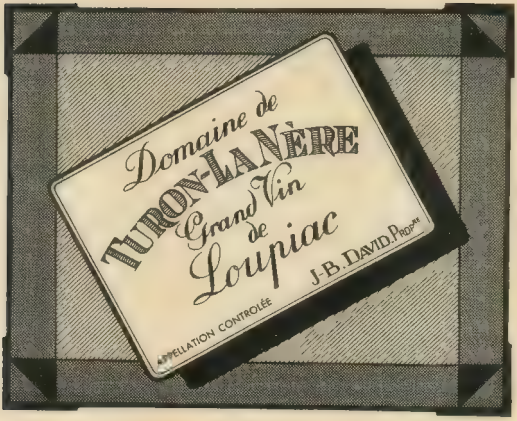
LOUPIAC *(end)*

CHATEAU PERRUCHET. — Roux (D.)
CHATEAU PONTAC. — Ducau (J. et M.)
CHATEAU DE RICAUD — Wells
CHATEAU RONDILLON. — Comte de Montbron
CHATEAU DU VIEUX-MOULIN — Daune
CLOS CHAMPON-SEGUR — Serizier et Desmerie
CLOS EAN. — Bord (Joseph)
CLOS DE ROUMEAU — Pépin
CLOS DE COULOUMET. — Laporte
COTES DE PEYTOUPIN. — Gillet
CRU CHAMPON. — Réglat (M.).
CRU COULOUMET-LES-GRAVES. — Casimir
CRU DE COULOUMET — Guignard.
CRU DE L'OLIVIER — Roujardieu
CRU DE TURON-LA-NERE. — Destang (J.)., J. David Successeur
CRU DE TURON-COULOUMET. — de Pauyau et Boudey
CRU DE LA SABLIERE. — Girardeau
CRU DU ROCHER. — Despujols
CRU DE LA COTE — Castaing
CRU LANUSSE-STERINES. — Delas
DOMAINE BARDON — Casimir (J.)
DOMAINE DU CHAY. — Tourre
DOMAINE DU NOBLE. — Dejean (A.).
DOMAINE DE PASQUET. — Soubiran (D.)
DOMAINE DE ROBY. — Videau
DOMAINE DE ROUQUETTE. — Cartier
DOMAINE DE TURON-LA-NERE — David (J.-B.

DAVID (J.-B.). — Domaine de Turon-La Nère
DEJEAN (A.) — Domaine du Noble
DELAS. — Cru Lanusse-Stérines
DESPUJOLS. — Cru du Rocher.
DUCAU (J. et M.). — Château Pontac, Château Loupiac-Gaudiet.
FONTAINEMARIE (de). — Château La Yotte.
GILLET. — Côtes de Peytoupin.
GILLET (R.). — Château Le Tarey
GRARDEAU. — Cru de la Sablière.
GUIGNARD. — Cru du Couloumet
LAPORTE. — Clos du Couloumet
MEYSSAN (R.). — Château Mazarin
MONTBRON (Comte de). — Château Rondillon.
PAUYAU et BOUDEY. — Cru de Turon-Couloumet.
PEPIN. — Clos de Roumeau.
POUJARDIEU. — Cru de l'Olivier et château des Roches
REGLAT (M.). — Cru Champon
ROSKAM — Ch. Massac.
ROUX. — Château du Planié et Ch. Peyruchet.
SERIZIER et DESMERIE. — Clos Champon-Ségur
SOUBIRAN (D.). — Domaine de Pasquet
TOURRE. — Domaine du Chay.
VERNIER. — Château Chichoye.
VIDEAU. — Domaine de Roby
WELLS (M.). — Château de Ricaud.

CHATEAU LOUPIAC-GAUDIET
et CHATEAU PONTAC
à LOUPIAC

Propriétaires J. & M. DUCAU



The CHATEAU de L'EPINAY at CERONS, comprises an estate of 30 acres, about 20 acres of which are cultivated as a white-wine vineyard.

It is one of the most esteemed vineyards in the Graves region It was an ancient sporting rendezvous of the Dukes d'Epernon, who caused to be erected a magnificent mansion which still carries evidences of its past spendour.

The vineyard which is planted with the best vine-plants produces very fine and very *racé* wines which have obtained numerous prizes and are very highly esteemed.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification **Classification by owners' names**

LANGON

CHATEAU RESPIDE — Vernet (Ch.).
CHATEAU CHANTELOISEAU. — Latri le (R.)
CHATEAU FERNON — Ballehache (Mlle de)
CHATEAU DES GUILLEMINS. — Peyrnguey (J.)
CHATEAU LUDEMAN-LA-COTE. — Courtheault (Mme)
CLOS ARQUEY. — Dumeau (M.)
CLOS LEHOUL. — Clavié (G.)
DOMAINE DE LA CROIX — Duprat (C.)
DOMAINE LES CLUCHETS. — Duprat (Ch.).
DOMAINE ROLAND. — Dupernieux (M.)

BALLEHACHE (Mlle de) — Château Fernon
CLAVIE (G.). — Clos Lehoul
COURTHEAULT (Mme). — Château Ludeman la Cot
DUMEAU (M.) — Clos Arquey
DUPERRIEUX (M.). — Domaine Roland
DUPRAT (Ch.) — Domaine Les Cluchet
DUPRAT (Cl.). — Domaine de la Croix
LATRILLE (R.). Château Chantelo seau
PEYRIGUEY (J.). — Château des Guil emin
VERNET (Ch.). — Château Resp de

SAINT-PIERRE-DE-MONS

CHATEAU BELLEFONTAINE. — Geoffre (Comtesse de)
CHATEAU DES JAUBERTES — Pontac (Marquis J. de)
CHATEAU MAGENCE. — Brannens (Veuve Em.) et Sudurraut (G. de)
CHATEAU PEYDEBAYLE. — Montcheuil (Baronne de)
CHATEAU DES QUEYRATS. — Dulac (L.)
CHATEAU DE RESPIDE. — Vernet (Cl.)
CLOS BORITZ. — Ferrand (V.)
CLOS BRUHAUT. — Daney (M.).
CLOS CABANNE — Lubat (J.)
CLOS CANTALOT. — Duprat (A.)
CLOS CAZEBONNE. — Rambaud (L.)
CLOS D'UZA — Dulac (L.)
CLOS LA MAGINE — Saint-Blancard (P.)
CLOS DU MOULIN-A-VENT. — Besoli (J.)
CLOS TOUMILLON. — Doche de Laquintane
CLOS VIAU — Patachon (P.)

BESOLI (Joseph) Clos du Moulin-a-Vent
BRANNENS (Vve Emmanuel) — Ch. M
DANEY (Marcel) — Clos Bruhaut
DOCHE DE LAQUINTANE. — Clos Toumil on
DULAC (Louis). — Château des Queyr
DUPRAT (Alban). — Clos Cantalot
FERRAND (Valmon) — Clos Boritz
GEOFFRE (Casse de). — Château Bellefontain
LUBAT (Joseph) — Clos Cabanne
MONTCHEUIL (Baronne de) — Châtea eydebayle
PATACHON (Paul). — Clos Viau
PONTAC (Marquis Jean de). — Châteaux de Jaubertes
RAMBAUD (Lucien) — Clos Cazeb n
SAINT-BLANCARD (Pierre) — Cl La Magine
SUDU RAUT (G. de). — Château Magence
VERNET (C.). — Château de Resp de

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Châteaux and estate classification — **Classification by owners' names**

BARSAC *(continuation)*

CHATEAU PIOT. — Boireau (Cl.),
CHATEAU PROST. — Fourestier (J.)
CHATEAU DE ROC. — Plazanex (Mme Veuve).
CHATEAU ROLLAND — Bert.
CHATEAU ROUMIEU. — Bernadet (R.).
CHATEAU ROUMIEU. — Goyaud (Veuve).
CHATEAU ROUMIEU-LACOSTE. — Dubourdieu (A.).
CHATEAU SAINT-MARC. — Laulan (J.)
CHATEAU SIMON. — Dufour (J.)
CHATEAU TUCAUT. — Destanque et Picot.
CHATEAU DE VALMON. — Bert
CHATEAU VILLEFRANCHE. — Pascaud (F.)
CLOS DU ROY. — Lalande (A.-J.).
CRU CAMPEREAU. — Chaumel (R.)
CRU DU CHALET. — Rochet (G.), d'Illas
CRU DU GRAND-JAUGA. — Tauzin (P.).
CRU GUITERONDE. — Barbe (L.-H.).
CRU HOURNALAS. — Laulan (J.).
CRU LA PINESSE. — Danglade (X.)
GRAND CRU DE LA PINESSE. — Pascaud-Carribou.
DOMAINE DES PLANTES. — Bert.

MATHIEU et FOUILLET. — Château Le Coustet
MATHIEU. — Château Brassens-Guiteronde
MENSANCAL. — Château Cantegrille.
MESPLEDE. — Château Pechon
PASCAUD (G.). — Château Grand-Mayne.
PASCAUD (F.). — Château Villefranche.
PASCAUD-CARRIBOU. — Grand cru de la Pinesse
PAULY. — Château La Bouade
PERROMAT (G.). — Château Luzies
PETITPAS. — Château Haut-Comet.
PINSAN (P.). — Château Masserau.
PLAZANEIX (Mme Veuve). — Château De Roc
ROCHET (G.), d'Illas. — Cru du Châlet.
ROUX (M.). — Château Coustet.
SANDERS (D.). — Château du Mayne
TAUZIN (E.). — Château La Bouade.
TAUZIN (P.). — Cru du Grand-Jauga.
TEYSSONNEAU (Mme). — Château Menota, Chateau Doisy-Védrines.

CHATEAU DUDON

Me HERTEMAN
PROPRIÉTAIRE

BARSAC
SAUTERNES

RECOMPENSES OBTENUES
MED. ARG. EXP. INT. BORDEAUX 1895
MED. OR EXP. UNIV. PARIS 1900
MED. OR EXP. UNIV. LIEGE 1905
MED. OR EXP. UNIV. PARIS 1878 & 1889
CONCOURS GENERAL AGRICOLE

Château du Mayne

BARSAC

Daniel Sanders
PROPRIETAIRE-VITICULTEUR
BARSAC (GIRONDE)

THE FIRST HILLSIDES OF THE RED BORDEAUX

By A. DESALBRES

President of the Controlled Appellation Wine Syndicate

THE controlled appellation, called in French "Premières Côtes de Bordeaux", evokes everything which is marvellous and wondrous in the name Bordeaux.

The wine which bears this inestimable title of nobility is harvested on the smiling hillsides which make of this metropolis a sumptuous and royal diadem, in which have been set as by some fairy hand, the slender svelte-like steeples and belfries of fourteen parishes, all possessing the privilege of producing those incomparable red wines which have proven the most persuasive and seductive of French ambassadors.

In each of these favoured spots the viticulturist is Nature's own collaborator. Animated by an ardent faith, proud of his past, he has excavated and searched this rude soil until by his unremitting tenacity, he has wrested from it its innermost secrets.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification : **Classification by owners' names**

LATRESNE

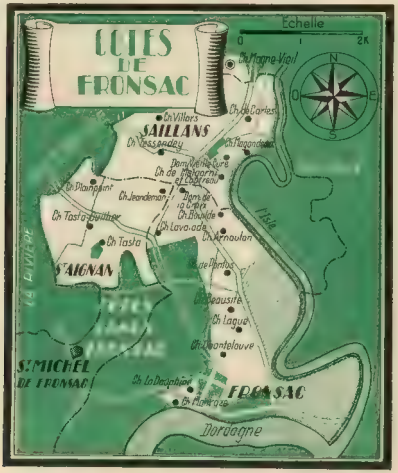
CHATEAU GASSIES. — Galtier (R.).
CLOS DESCLAUX. — Gassiot.
CLOS LINIAS. — Monsion.
CLOS DE RAMBAL. — Courbian (E.).
CLOS DE PASCOT. — Pendarries.
DOMAINE DE MALHERBE. — Samouillan (G.).

COURBIAN (E.). — Clos de Ram
DELAGE (P.)
GALTIER (R.) — Château Gass
GASSIOT (P.). — Clos Desclaux
LACAZE (A.)
MONSION. — Clos des Linias
PENDARRIES — Clos de Pascot.
SAMOUILLAN (G.). — Domaine de Malherbe
TAILLEYRAND. — A. Bergerie
UTEAU (P.) — A. Cantelaudette.

YVRAC

CHATEAU DE PEYRAREY — Blanchot (Dir. tour).

TERTRE DU RENARD. — Hamon, Fresident — O
Mme



COTES DE FRONSAC.—These 10°5 red wines are analogous to the Canon Fronsac wines, but they are lighter, and age more rapidly. Yield 370 gallons to the acre.)

Vins rouges, 10°5, analogues aux vins des côtes de Canon-Fronsac mais plus légers, vieillissent plus rapidement. (Rend. 42 hl à l'ha.)

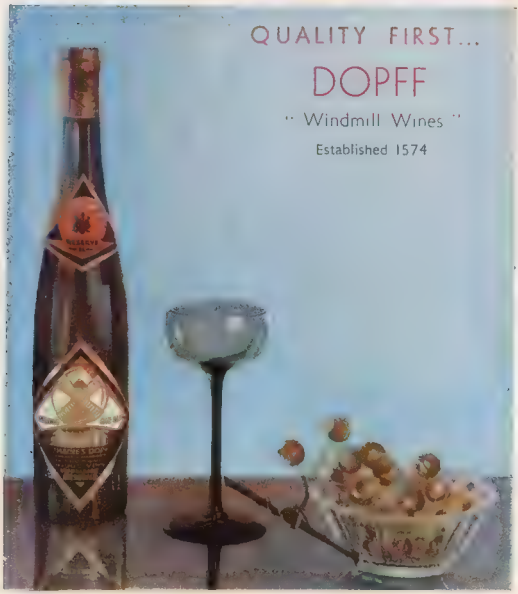
THE COTES DE FRONSAC

By G. DE BREM

Founder and Honorary President of the Côtes de Fronsac Syndicate

Fronsac, which is about 2 miles from Libourne, and the principal town of the district, is celebrated throughout the countryside for its hillock, called the Tertre upon which once stood an enormous castle built by Charlemagne.

It is also celebrated for its hills from the crests of which there is revealed to the eye a magnificent distant panorama of the Valleys of the Isle and of Dordogne, whose waters meet at Libourne almost at the foot of the "Tertre".



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GRAVES DE VAYRES.—Wines having no relation with the GRAVES; evocative of the ENTRE-DEUX-MERS wines but much superior to them.

Reds, 10°5 highly coloured, supple, 'fleshy" i.e. having good body, maturing quickly. (Yield 370 gallons to the acre.)

Whites 10°5 dry and sweet, quite fine with a slightly rustic savour. (Yield 370 gallons to the acre.)

Vins sans aucun rapport avec les GRAVES ; rappellent les vins de l'ENTRE-DEUX-MERS, tout en leur étant supérieurs.

Rouges, 10°5, colorés, souples, charnus, se font vite. (Rend. 42 hl à l'ha.)

Blancs, 10°5, secs et moelleux, assez fins, sève un peu rustique. (Rend. 42 hl à l'ha.)

GRAVES DE VAYRES

Graves de Vayres is situated on the left bank of the Dordogne river between Bordeaux and Libourne. It forms a comparatively small enclave or gore of gravelly lands, in the vast Entre-Deux-Mers district with its many different soils of clay, sand-clay and lime-bearing clay.

It extends over almost the whole of the parish of Vayres and a part of the parish of Arveyres.

The white wines owe their quality to the vineyard's fine ceps which are for the most part the same as those grown in the great Graves vineyards.

The red wines are tender and unctuous, of a beautiful colour and possess a magnificent bouquet.

Very good bottles of both, can be had after they have remained two or three years in cask.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification — **Classification by owners' names**

ARVEYRES

CHATEAU DE BARRE. — Chatelier (L.).
CHATEAU DE BRONDEAU — Audy
CHATEAU DU LAU. — Du Fau de Lamothe
CHATEAU TILLEDE. — Loty (A.)

AUDY. — Château de Brondeau.
CHATELIER (L.). — Château de Barre.
DU FAU DE LAMOTHE. — Château du Lau.
LOTY (A.). — Château Tilède.

VAYRES

CHATEAU BEL-AIR. — Paul (J.-R.).
CHATEAU BEL-AIR-LA-COUR. — Dubois (R.).
CHATEAU JUNCARRET. — Moucheboeuf (F.).
CHATEAU TOULOUSE. — Reygade (E.).
DOMAINE DU BUSQUEYRON. — Pirabeau (Vve).
DOMAINE DE BUSSAC. — Guillet (M.).
DOMAINE DE GAYAT. — Lestrille (P.).
DOMAINE DE GAYOTTE. — Pages (L.).
DOMAINE DE NIOTON. — Briges (A.).

BRIGES (A.). — Domaine de Nioton.
COMPTOIR VINICOLE DES GRAVES DE VAYRES
DUBOIS (R.) Château Bel-Air-La-Cour.
GUILBOT (M.) — Domaine de Bussac.
LESTRILLE (P.). — Domaine de Gayat.
MOUCHEBOEUF (F.). — Château Juncarret.
PAGES (L.). — Domaine de Gayotte.
PAUL (J. R.). — Château Bel-Air.
PIRABEAU (Vve). — Domaine du Busqueyron.
REYGADE (E.). — Château Toulouse.

GRAVES DE VAYRES

Comptoir Vinicole des Graves de Vayres

VAYRES (Gironde)

Tél. : N° 24

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Super Controlled Appellation

André Cartier

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VARRAINS (M.-&-L.)

HIS GRAND WHITE
RED AND ROSÉ GROWTHS

GREAT WINE OF ANJOU
HILLSIDES OF SAUMUR
WHITE, RED AND ROSE WINES

Joseph DUVEAU

Vineyard-proprietor and grower
VARRAINS (Maine-et-Loire)

BODINEAU Gaston

(Brother and Sister)

WHITE WINES

VINEYARDS OF

"CAMUS"
"FIEF DE MUNET"
"LES CHANTS FAUX"
"LA VIGNE AUX MOINES"

LES ULMES
(Maine-et-Loire)

HILLSIDES
OF SAUMUR

Germain LEGEAI

Vineyard proprietor and viticulturist

VINEYARD OF
Rousseau

VINEYARD OF
Reverdi

LA PALEINE
LE PUY-NOTRE-DAME (M.-&-L.)

HILLSIDES
OF SAUMUR

VINEYARD OF
LAURANT

Narcisse TESSIER

Vineyard-proprietor and grower

Wines in casks and in bottles

Cabernet white
Rosé wines

SAUZIERS - LE PUY-NOTRE-DAME

HILLSIDES OF SAUMUR
VINEYARD OF THE MIDY
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Champion & Sons

Vineyard-proprietors and wine growers

LES ULMES near DOUÉ-LA-FONTAINE

---

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(FATHER & SON)

HILLSIDES OF SAUMUR
HILLSIDES OF THE LAYON
Wines in casks
At the Cellars of PUY-NOTRE-DAME - Phone n° 31

HILLSIDES OF SAUMUR
ANGER-GIRAULT

Vineyard-proprietor and viticulturist
TURQUANT (Maine-et-Loire)

GRAND GROWTH OF THE
Saut au Loup
VINEYARD OF THE
Bay Rouge

VARRAINS
(MAINE & LOIRE)

COTEAUX DE SAUMUR
BLANC, ROUGE ET ROSE

MISANDEAU
JEAN-BAPTISTE
PROPRIÉTAIRE

COTEAUX DE SAUMUR
" LES POYEUX "

Roger EXPERT
PROPRIÉTAIRE A
VARRAINS
MAINE-&-LOIRE

SAUMUR HILLSIDES
WHITE & ROSÉ WINES

FÉLICIEN MOLLET

Vineyard-proprietor and wine-grower

TURQUANT
(Maine-et-Loire)

HILLSIDES OF SAUMUR
CONTROLLED ORIGIN

Georges PASQUIER

DOUÉ-LA-FONTAINE
(Maine-et-Loire)
— Tél. Doué 126 —

IT is probably here that we shall find the Past blending in the most striking fashion with the Present, creating the impression indeed that it embraces and encircles the latter whereas, as a matter of fact, what is modern actually disengages itself victoriously whilst at the same time respecting all that is old. The "Cloitre des Cordeliers" of Saint-Emilion, which in English may be called the Cloister of the Franciscan Friars, constitutes the essential part of what is left of the Convent or Monastery of the Franciscans monks, founded at the beginning of the XIVth century, certain parts of which (enclosing the still well-preserved Cloister) are of an extremely high artistic value. Attention is specially directed to the ogival arcade of the ancient chapel in the flamboyant Gothic style of architecture; to the ruins of the venerable belfry with its two superimposed arches and particularly to the whole of the semi-circular and traditional Roman arches. It is beneath this "historic monument" that extend the two-level cellars carved out of the same rock wherein the expert workers produce in the dim light and coolness that grand sparkling wine known as the **CLOS DES CORDELIERS**, whose reputation no longer requires to be created, since the wine is meticulously made from the great cuvées, composed of the rigorously selected red wines which have been vinified "in white" according to the ancient and standard **CHAMPAGNEOIS METHOD**

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BELLET ED. (Ets), 25, rue Boudat, Bordeaux

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BERTRAND TAQUET, Château La Louvière Léognan (Gironde) 02

BESSAULT (M. M), Domaine du Juge, Cadillac (Gironde) 234

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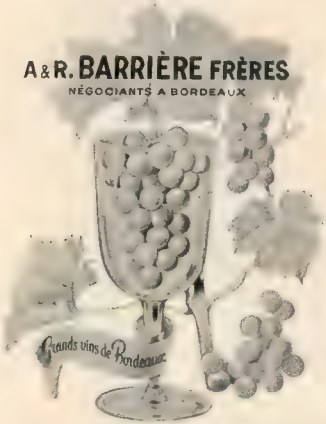

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MAUROY ET FAVRE. — « Domaine de Belcastel » Eauze.
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MOURRUT. — Condom.
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ROUGIER. — Auch.
ROY. — Cazaraveve.
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RYST. — Condom.
Saint-ARROMAN. — Auch.
SAINT-LAURENT. — Mirande.
« SA MAJESTE ». — Larressingle. Bureaux, rue des Meuniers, 14, Paris.
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SOCIETE DES GRANDES EAUX-DE-VIE D'ARMAGNAC DU PRIEURE. — « Cadets de Gascogne », Condom.
SOCIETE LA RISCLOISE. — Riscle.
SOCIETE MONTAGNE. — (Voir Montagne).
SOCIETE KNABEBEL. — Auch.
SOUBABERE. — Lannemaignan.
SOUBIRAN. — Poisance.
SOUCARET. — Crotte-Lasse.
SOULE. — Auch.
SUFFRAN (Vve et Fils). — « Réserve du Bailli », Campagne-d'Armagnac.
TARRIT. — Montréal-du-Gers.
TOUSSAINT. — « Lys Royal », Pomiro.
« TRADITION ». — « La Vieille Réserve », Lannepax.
TREMOULET. — Fleurance.
TREPOUT. — Vic-Fezensac.
TURON. — Mie lan
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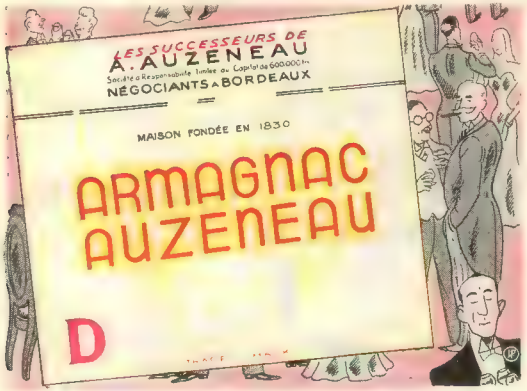
VASSAL (M. de). — « Prince Noir », « Royal Gascogne » Mazin (Lot-et-Garonne). Bureaux, rue de la Renaissance, 6, Paris (8e).
« VIEUX CEP ». — Montréal-du-Gers.
VIGNEAU (P. du). — Condom.
VIVEZ. — Condom.



tout l'Esprit de la Gascogne

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FINE
Grand Armagnac
Vve Suffran et fils
DISTILLATEURS-PROPRIETAIRE
CAMPAGNE D'ARMAGNAC
GERS

Réserve du Bailli
FINE
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ARMAGNAC D'ORIGINE
NOGARO-en ARMAGNAC
(GERS) FRANCE
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LE ROY DES ARMAGNACS
R. GIRPET

Besides these statutory cepages there are to be found a variable, but sometimes high proportion, of the direct producing hybrids. 22. A. Baco, fertile and very productive of a *foxé* wine, spreading rapidly rather than slowly; Noah, whose qualities and defects are well known; 157 Gaillard almost as sensitive to maladies as the French vine since it is necessary to sulphate and sulphur it; whilst a crowd of other hydrids, ancient and modern, only play an insignificant part.

The 22. Baco which sometimes dominates, often constitutes with the other hybrids, a quarter, a third, or even more of the vineyard. It is still absent from certain estates but, seemingly, not for much longer.

But here is something which is slightly exceptional. In the Armagnac, we have the example of a product with a controlled appellation, obtained with a large proportion of hybrid cepages, which in itself is a singular and striking violation of the doctrine laid down by the National Committee of Appellations for Wines and Spirits.

It is true that the decree of August 6th, 1936, accorded a delay of ten years to the producers, in which they must cause all cepages not prescribed in the ordinance to disappear, but no effort has been, nor is being, nor will be made to banish the 22.A. since it constitutes the greater part of the new plantations!

The reasons for its spread are simple to understand: it is easy to grow and it produces very abundantly; it strongly resists mildew, but less strongly black-rot; it has no fear of *pourriture grise* and finally it can be cultivated ungrafted in the clayey-sandy soils and with greater reason in the sands.

Its wine is rough, coarse, harsh and *foxé* but then it is not a question of drinking it, so that does not matter; it is created only to be distilled.

Armagnacs
PAUL MÉRIC
VIC-FEZENSAC
Armagnac
MÉRIC
Paul Méric
Armagnac
Clos des Eminences
PAUL MÉRIC
Cardinal

DOMAINE DE LARS
Armagnac
GRAND
-CRU-
APPELLATION CONTROLÉE
VIC-FEZENSAC

TRESSERRE

BAILLIE (Martin Père)
BISCAYE (Marcel).
ESCUDIE (Fernande).
RONDE (Jacques).
VILLA (Pierre) et PICAMAL

TROUILLAS

CONTE (Etienne).
DELHOSTE (Henri).
MONTES (Pierre).
CAVE COOPERATIVE.

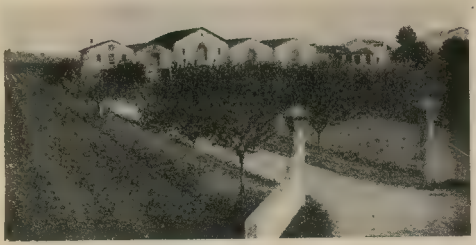
VILLEMOLAQUE

BASCOU (Marcel). •
NEGRE (Vincent).
OLIVE (Marcel).
ROCA (de).
TORRENT (Emile).

VILLENEUVE DE LA RAHO

BARRERE (Antoine).
DEPRADE (Paul).
JONQUIERES (Veuve Thérèse).
JOUE (Assiscle).
MATIGNON (Héritiers).
NOE (Jacques).
SAUVY (Héritiers de Joseph).

FORMERLY FRANÇOIS MARCEROU
SPECIALITIES :
TABLE WINES
and
DESSERT WINES
2, rue de la Paix **PERPIGNAN**



COTES de HAUT-ROUSSILLON
APPELLATION CONTROLÉE
LÉON ALBOIZE
PROPRIETAIRE A St-JEAN-LASSEILLES (PYR.-OR.)

MUSCAT DE LUNEL

MUSCAT DE LUNEL.—Yeld 20 gallons, 15 Degrés.
President : M. Ch. **CHEVALLIER,** at Montpellier.

VERARGUES
Jean CHEVALLIER et Cie, Domaine de La Deveze.

LUNEL
HUGO, Mas de Fourques.

LUNEL-VIEL
DAUDE (Mme), Domaine des Caves.
SABATIER-D'ESPERAN, La Tour de Farges.
JULLIAN TRUC BROUSSIER.

BEAUMES DE VENISE.—Minimum degree 14°. *(Maximum yield* 264 *gallons to the acre.)*

These wines are grown in the COTES DU RHONE district but have the right to the controlled appellation of origin: "Naturally Sweet Wines or "VINS DOUX NATURELS".

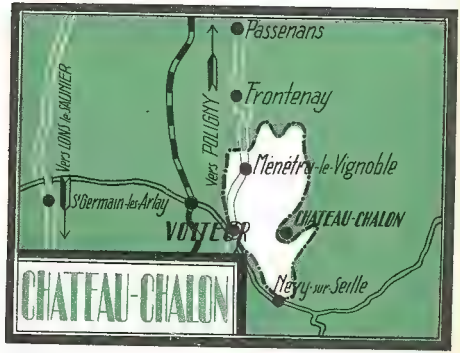
BEAUMES DE VENISE. — Degré minimum 14°. (Rend max. 30 hl a l'ha.)

Ces vins se récoltent dans la région des COTES DU RHONE, mais ont droit à l'appellation d'origine contrôlée « VINS DOUX NATURELS ».

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

BEAUMES DE VENISE

CASTAUD (Louis).
CASTAUD (Pierre).
COMBES et FALQUES
FRANCON (Emile).
LAGET (Paul)



CHATEAU-CHALON. — *Yellow wine*, 12 *deg. Finest of the yellow wines, dry, alcoholic and heady, with a marked bouquet; in flavour it resembles Madeira. Most outstanding of our dry wines (yield : 176 gallons per acre).*

CHATEAU-CHALON. — Vin jaune, 12°. Le meilleur des vins jaunes ; sec, alcoolisé, *capiteux*, bouquet accentué, saveur rappelant le madère. Le plus original de tous nos vins secs. (Rendement : 20 hectolitres à l'hectare).

CHATEAU-CHALON

THE Chateau Chalon is generally known throughout the world as the highest and most perfect type of the *jaune* or yellow wines of the Jura. The soil and the cepage of which its vineyard is comprised have sustained for centuries the unerring qualities of its vineyard products. The long inclined slope which goes winding about the base of the Chateau-Chalon tableland, is composed of beds of blue marl, covered by the chalky debris, fallen from the cliff which festoons this first tableland. These marl seams (which are very limited in extent) give the vineyard its almost capricious shape, which approximates pretty nearly to the lines and levels on the sides of the very irregular and contorted hill-slopes. A sub-soil of marl covered with lime provides a favoured spot for the Savagnin cepage. Splendidly embedded in this choice soil the Savagnin calls for a privileged isolation. And it is forthcoming as can easily be perceived when one marks the orientation of those temperated shelters—comparable with natural hot-houses—which are constituted by the deep amphitheatres in which are concentrated the whole of Chateau-Chalon's wine production.

Champagne
henri
GRÉVIN

Selection

Epernay
France

Paul Ruinart & Cie
Reims FRANCE

CHAMPAGNE

MAISON FONDÉE EN 1868

CHAMPAGNE

Lamotte & Cie

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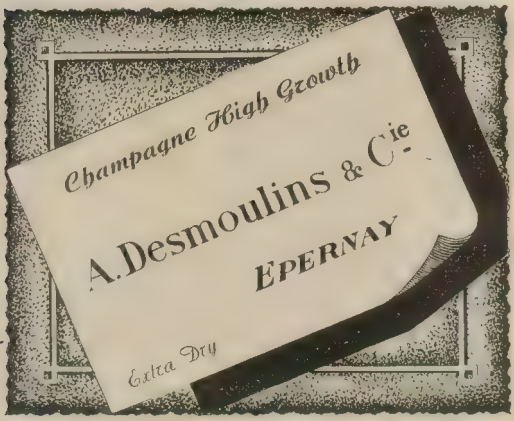


GREAT CHAMPAGNE WINES

GIESLER & Cie

House founded in 1838

AVIZE (France)

BLANC FUMÉ
APPELLATION CONTROLÉE
CHATEAU DE LA ROCHE
TRACY
par Pouilly-sur-Loire
(NIÈVRE)
Médailles d'or, Concours Agr. de Paris de 1911 et 1913

Heine Demenfaucon
VIN MOUSSEUX
CARTE D'OR
POUILLY S/LOIRE
MÉTHODE CHAMPENOISE

Blanc Fumé
GRAND VIN
Pouilly-sur-Loire
APPELLATION CONTROLÉE

Pouilly-sur-Loire
H. MICHEL
PROPRIÉTAIRE
Blanc Fumé
APPELLATION CONTROLÉE

GREAT WINES OF "BLANC FUMÉ"
CHATEAU DU NOZET
POUILLY-SUR-LOIRE (Nièvre)
TÉL. : POUILLY N° 4
Gold Medals, Antwerp and Liege 1930, Paris 1931
CHATEAU BOTTLED
NAPOLEON'S FAVOURITE WINE

Clairette de Die
APPELLATION CONTROLEE
CHAUVIN Louis
Fernand DECORSE (gendre)
PROPRIETAIRES-VITICULTEURS
BARSAC
par Ste-Croix (Drôme)

IF YOU WISH FOR A SUPPLY OF THE GOOD
CLAIRETTE of DIE
WITH A CONTROLLED APPELLATION GUARANTEEING
ITS AUTHENTICITY
APPLY TO :
FERNAND ROUY
VINEYARD PROPRIETOR AND VITICULTURIST
at
AUREL (Drôme)

seurs and on April 21st 1910, a decree was enacted which conferred an appellation of origin upon it. It thus became the second cru to be classified after Champagne

More recently, by an enactment dated December 30th 1942, it received the ultimate crown of a controlled appellation of origin. A commission was thereupon appointed by the National Committee in order to rigorously select and delimit the small vineyards which would have the right and privilege to produce the Clairette of Die.

Moreover, a Syndicate for the Defence of Clairette, whose headquarters are at Die (now an important centre of production) for some years past has striven alike to preserve and to improve the methods of its production.

A most cordial invitation is extended to all tourists who may be visiting the picturesque Valley of the Drôme, with its distinctly Provençal landscapes, to make a call at Die, where they will not only be able to admire the fine Roman and Middle Ages ruins, of which the city is so justly proud, but will be able to taste at the cradle of its birth this *pétillant*, sparkling Clairette wine. It is calculated to bewitch the stranger by its beautiful golden colour, its delicious fruitness and its generous taste.

TO ENJOY CRUSTACEA AND FISH

2 excellent Muscadet growths

THE " MUSCADETS "

Muscadets of Sevre and Maine
Muscadets of the Hillsides of the Loire and Muscadets

"WHAT is Muscadet like?" you ask.

The answer is: a clear, crisp and dainty wine which befits its name; one cool, fresh, dry aromatic, but which, despite the clever propaganda made on its behalf, still does not occupy the place it deserves.

It is a wine which produces on the palate the sense of a delicate mixture of scarcely perceptible Muscat with a suggestion of that gun-flint flavour which is always so pleasing to all connoisseurs of dry, white wines.

It was undoubtedly during the first century of our era that, under the influence of the Roman conquest, the vines first made their appearance near the mouth of the Loire river; and little by little, the superficial area devoted to this kind of plantation grew, whilst at the same time a greater and greater selection was made in the vineplants and the processes of vinification were progressively improved.

The neighbouring Bretons were under no illusions in regard to the vines or the wines they produced. Great drinkers themselves, and then without vines for many years, they were to be seen, —at the time when the grapes were ripe and the vignerons were thinking of gathering in the harvest of their labour —making periodic invasions of the County of Nantes, indulging in a rapid gathering and pressing the fruit in the cellars of the poor people whose crops they had purloined and then returning home with the quasi-totality of the yield! A brigandage as open and unashamed as that of the Black Marketeers of today!

For a very long time the Nantais vineyard possessed mainly red-wine producing plants. It was only towards the beginning of the XVIIIth century that the viticulturists commenced to plant the Muscadet cepage, the name of which had been widely known throughout the West-country as the general qualificative of a white wine which Rabelais had made renowned.

"The Muscadet cepage" writes Count J. de Camiran, in his excellent little book *Le Vignoble du Pays Nantais* (The Vineyard of the Nantais Country) "is an ampelographic variety of the Burgundy Gamay or the Musk-Melon".

The first plantations, authenticated by the local maps, were made under the name of "the plant of Burgundy". A vineyard lease in the parish of Verton dated May 3rd 1639 bears witness to this fact.

One of the great qualities of the Muscadet is its character due to the soil and the cepages, but also to the simple and sound methods of vinification.

The Nantais barrel is shorter and not so oval as that of Bordeaux. It holds 228 litres. Formerly the new Muscadet was only placed in new casks and each year more than ten thousand of these barrels went out in different directions to attest the gaiety which the famous wine from the mouth of the Loire afforded.

The Federation of the Viticulturists of the Loire-Inférieure contend that legally the Muscadet is entitled to three controlled appellations:

(1) The departmental appellation of Musacadet. That mark embraces all the Nantes countryside including of course, the ancient Comté or county of Nantes, by which it is constituted. The delimitation is fixed by scattered vine allotments which however have been clearly and precisely determined after recognised authentic surveys.

(2) The Muscadet de Sèvre-et-Maine local appellation, which is reserved and restricted to the hillsides along the Sèvre and the Maine rivers.

(3) The Muscadet des Coteaux-de-la-Loire local appellation, which is reserved to the hillsides on the edge of that river within the confines of Anjou.

GRAND VIN DES COTEAUX DE LA LOIRE

Musset
PROPRIETAIRE
TEL 17

La Pommeraye
MAINE & LOIRE
TEL 17

VINEYARD OF
LA GOULINIÈRE
in casks and in bottles

Coutault-Pineau
vineyard-proprietor and wine-grower

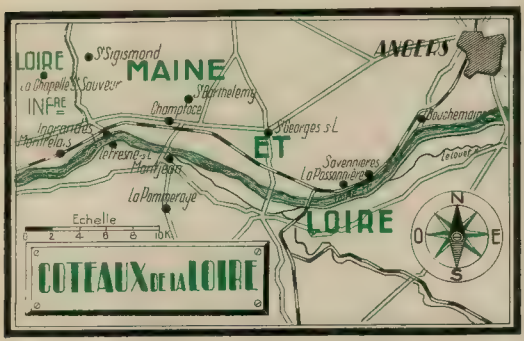
GREAT WINES
— OF ANJOU —
HILLSIDES OF
THE LOIRE RIVER

LA POMMERAYE (Maine-et-Loire)

HILLSIDES OF THE LOIRE RIVER
GREAT WINES OF ANJOU

Charles BROUARD
LA POMMERAYE (Maine-et-Loire)

VINEYARD OF NEUVINS
SMALL VINEYARD

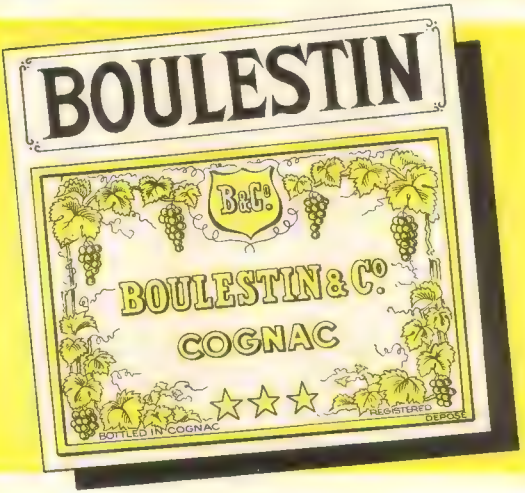


HILLSIDES OF THE LOIRE (*Coteaux de la Loire*). — *Very highly-perfumed white wines, firmer, more full-bodied but less luquorous than the aforenamed. One remarkable cru must be mentioned: LA COULEE DE SERRANT.* 9°5. *Yield* 396 *gallons to the acre.*

COTEAUX DE LA LOIRE. — Vins blancs plus fermes, plus corsés et un peu moins liquoreux que les précédents, très parfumés. A citer le remarquable cru LA COULÉE DE SERRANT. 9°,5. Rendement : 45 hectol. à l'hectare.

Coulée de Serrant
Cte André COTHEREAU. Propriétaire
SAVENNIÈRES (Maine-et-Loire)

COURVOISIER
COGNAC
THE BRANDY OF NAPOLEON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BY APPOINTMENT TO H M. KING GEORGE V

ESTABLISHED 1838

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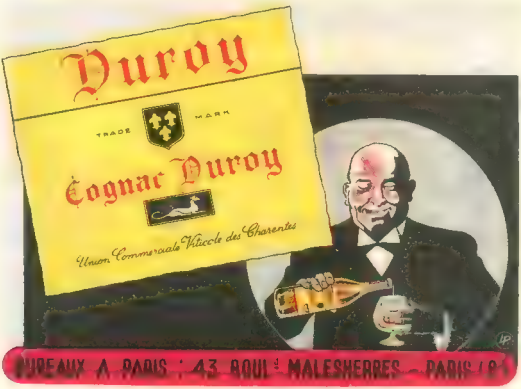
Maison fondée à Cognac
en 1850

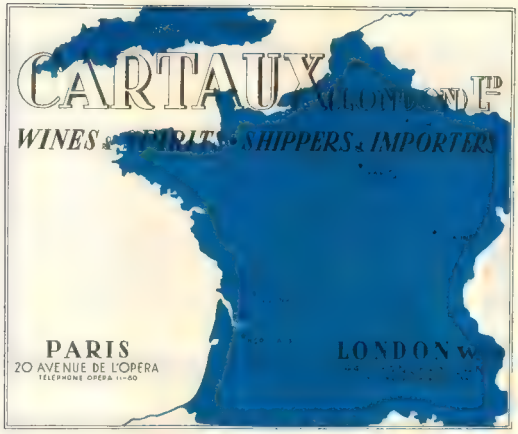
COGNAC

Mesure

ESTABLISHED 1850

TÉLÉPHONE 4-16 COGNAC





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CODES BENTLEY'S PRIVE NM 3027 562
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AGENTS GÉNÉRAUX DU
COGNAC GAUTRET
POUR LES USA & LE CANADA

Au début des temps ou fut pratiquée la distillation, le port de LA ROCHELLE était le plus grand et même l'unique port d'exportation des eaux de vie, qui, pendant tout le XVIe siècle portaient encore la dénomination de "eaux brûlées" et de "brand vins". Les Flamands, les Hollandais et les Anglais venaient y charger leurs bateaux l'armement rochelais, qui entretenait un commerce actif avec les Antilles, les Indes et les Rives du Saint Laurent, chargeait les eaux de vie pour le "Nouveau Monde".

Il existait à la Rochelle au moins trente maisons exportatrices.

Mais les temps changent. Pendant tout le XIXe siècle, les marques se retirent sur les grands crus et s'éteignent l'une après l'autre et LA ROCHELLE, vidée à partir de 1893, le phylloxéra portant un coup terrible à l'exploitation rochelaise, ravage une partie des vignobles. Seule la vieille maison GODET est demeurée sur place dans ses murs vous entrepôts. Ayant conservé les traditions d'autrefois avec les méthodes modernes du commerce, elle continue à approvisionner ses marchés d'outre mer, restés fidèles eux aussi à la qualité immuable de ses Cognacs.

Cognac **GODET**

UNICOOP

Cognac

des Paysans Charentais

PROVENANCE DIRECTE DE LA PROPRIÉTÉ GARANTIE PAR

UNION COOPÉRATIVE DE VITICULTEURS CHARENTAIS - COGNAC

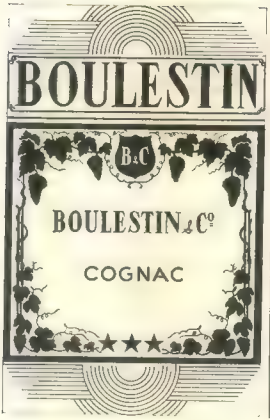
En plus de l'ACQUIT JAUNE D'OR, ce Cognac apporte la GARANTIE DU TRIPLE CONTRÔLE que seul un groupement de producteurs peut exercer...

1° CONTRÔLE DE LA PRODUCTION par 8.000 adhérents viticulteurs

2° CONTRÔLE DE LA DISTILLATION dans 75 distilleries coopératives (par procédé charentais).

3° CONTRÔLE DU VIEILLISSEMENT en fûts de chêne Limousin sous la surveillance constante et ininterrompue des viticulteurs producteurs jusqu'à la consommation

GARANTIE UNICOOP COGNAC



ASSOCIATION VITICOLE
DE COGNAC

Jules Duret
& Co.

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ESTABLISHED 1853

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CROZET
CROIZET
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TRADE MARK
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NOMBREUSES RÉCOMPENSES AUX EXPOSITIONS
HORS-CONCOURS PARIS 1900
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LUCIEN-FOUCAULD & Cº
Estº 1847
COGNAC
FRANCE
FOUCAULD

TRADE
MARK
ESTABLISHED 1850
Cognac Club
Brandy
N. BARRIASSON & Cº
COGNAC

TRICOCHE & Cie
ESTº 1820
COGNAC

FONDÉE EN 1864
BONNISSOL & Cie
COGNAC

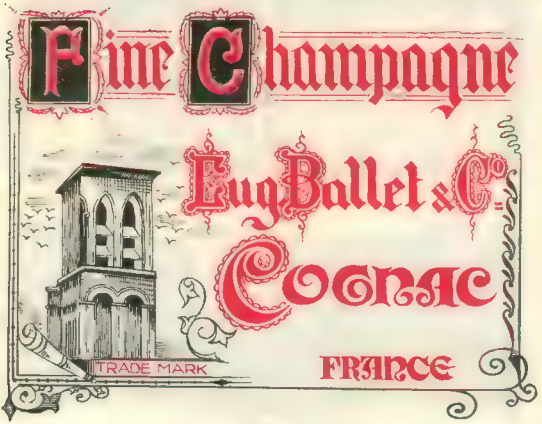
TRADE MARK

Cognac CHABANNEAU

89, Rue de Pons

COGNAC

Spécialités de vieilles Fines Champagne



comes from what was called the *aqueficere* or in other words from the melting and soaking the essential elements of which must be intimately mixed and dissolved.

Arnaud de Villeneuve and Raymond Lulle concocted the first liqueur with eau-de-vie, and sugar and tried to scent it with lemon with rose-leaves, with orange-blossom and other aromatic herbs. Remembering opportunely that Nature has endowed gold with the most admirable virtues" they took care to decorate it with little specks of gold-leaf floating around in it.

The production of liqueurs made a great spurt in the XVth century in Italy. Catherine de Medicis appreciated them and proceeded to popularise them in France. We have to this day the recipe of a liqueur which it is claimed was devised expressly to re-animate and rejuvenate the flagging prowess of the aged Louis XV and which was composed of brandy, water, sugar, musk, amber, aniseed and cinnamon. It was said to be the King's favourite liqueur.

The Carrette water with its rose water and cinnamon base, succeeded the *Rossolis* and the *Populo*. Then the liqueurs of Montpellier, of Lorraine — which were supposed to illustrate "perfect love" — and the ratafias came quickly into fashion.

It was a doctor named Sigogne who first conceived the idea of making a sweet syrup and of mixing brandy with it.

In the XIXth century the production of liqueurs made farther progress thanks to big improvements in the methods of distillation, to the development in the cultivation of the vine, to the great advance in the culinary art and to the general search for ease and comfort. Very much in the fashion liqueurs were served in the hotels and inns and Brillat Savarin, who had spread the notion of the use of them, affirms in his celebrated book which he calls "Aphorisms" "that the mistress of the house must always assure herself that the coffee is excellent and the master of the house that the liqueurs are of the first choice."

***

Today French liqueurs enjoy a world wide reputation because they are prepared with old eau-de-vie or brandy and other old spirit finely aromatised as the result of the steeping of very rare vegetable substances produced on French soil, or by the addition of the products of their distillation mixed in the spirits or in water. Sometimes both methods of product on are combined. The sweetening of these liquids is made with sugar, glucose or honey.

LIQUEUR

CORDIAL-MÉDOC

G. A. JOURDE

BORDEAUX

FRANCE

The firm also manufactures a great choice of Superfine Liqueurs such as :

ANISETTE, CREAM OF CACAO, CURAÇAO

APRICOT BRANDY, CREAM OF MINT (Green or White)

CHERRY BRANDY, BLACKBERRY LIQUEUR, ETC..., ETC...

WINES OF ANJOU
HILLSIDES OF THE LAYON

CHAUVIN ESNOU
VINEYARD OF " LA MOTTE "

BEAULIEU - SUR - LAYON
(MAINE-ET-LOIRE)

WHITE & ROSÉ LAYON
HILLSIDES WINES

" LA PICHARDIÈRE "
CÉLESTIN VASLIN

BRIGNE - SUR - LAYON
(MAINE-ET-LOIRE)

HILLSIDES OF THE LAYON
CONTROLED APPELLATION

In casks and in Bottles

MARTIN DUVEAU

CHAMP-S.-LAYON (M.-et-L.), Phone n° 2

WINES OF ANJOU
HILLSIDES OF THE LAYON
WHITE & ROSÉ WINES

Mrs. AUGUSTE BOUHIRON

Vineyard proprietor
and wine grower
Wines in casks

CHAMP-SUR-LAYON (Maine-et-Loire)

CÔTEAUX DU LAYON
MAUREPART
COMTESSE D'OLONE
PROPRIÉTAIRE

✳

VINS BLANCS, ROSÉ, CABERNET
BRIGNÉ (M.-L.)

THE LAYON HILLSIDES

NOW we come to the pretty hills, at the feet of which glides that calm, sinuous and unpretentious little river the Layon, whose modest name has been bestown upon some of the most famous crus among the greatest wines of France!

A snap of the fingers for the people who, with an unthoughtful and uncon- cerned air, talk of "the little wine of Anjou" They are the unfortunate creatures who understand nothing of the softness, the grace, the suavity, the elegance, the poesy and the soul which reposes in one of its bottles. So we will leave them to their fate, to wallow in their pitiable ignorance.

For quite a number of centuries these Anjous —among all the things that Anjou prizes most carried to England the legend of the Layon's gentle languor; that gentle and seductive stream which some vandal during the reign of Louis XIV wanted to transform into a vulgar canal! Happily the river's own force of inertia, and its own unconquerable sluggishness were in the end sufficient to cause the scheme to be abandoned, and for it to be left to flow peacefully along in all its nonchalant tranquility.

Mr Mignot, the proprietor of the magnificent vineyard known as the "Quart-de Chaume", and the "Chateau-de-Belle Rive" has written with all the passion of an ardent viticulturist:

"The long-stemmed cepage has to be eschewed in our hillside vineyards since quality and quantity are irreconcilable. The viticulturist who has the honour to possess a superior vineyard must constantly remind himself that his land is not suitable for producing wines in quantity... We must re-educate too the consumer whose taste has been corrupted by innumerable mixtures which should not be tolerated any longer".

Mellow, soft, creamy and perfumed, these wines can easily deceive and betray those who imagine that they can be consumed immoderately for amusement and without consequence. They are potent in their capacity to transform straight lines into very crooked ones and to provoke all the acute sensations of an over-generous Bacchio indulgence.

Tender, possessing a marked bouquet, powerful and what the French winemen so appropriately call "enveloppés" —such are these incomparable products of the Pinot-de-la-Loire vine-plant as it flourishes in the parishes of Rochefort-sur-Loire, Beaulieu-sur-Layon, Saint-Aubin-de-Luigné, Rablay, Faye-d'Anjou, Chalonnes, Chaudefonds, Saint Lambert, Chavagnes, Martigné, Thouarcé and so forth.

To the last-named belongs the famous Bonnezaux cru.

The following extract from Dr. P. Maisonneuve's comments in *"Anjou: its Vines and Wines"* will serve as a fitting conclusion for this brief exposition:

"It can be said without braggadoccio and without any mere Chauvinism, that in the great years, the Layon wines of the first crus, can stand comparaison with the greatest wines of France. Their fruitiness, their refinement, their mellow softness, their capacity for perfect preservation in bottle, enable them to keep pace and step with the very best. Very discreet wines, they will stand no second fermentation. The bottles must be laid down immediately in a cool cellar, sheltered from the light.

"To shew them at their very best, they must be served very cool, but not iced. To plunge them before serving into a pail of very cold water, where they will cool gradually, is much better than immersing them in an ice-pail, which acts too brutally upon them.

"One should remember, finally, that the wines of our grand crus only acquire their full virtue, after being bottled for several years".

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

FAYE-D'ANJOU

BALER.
BOUCHET (P.). — Coteaux de la Belliarde et Clos des Mailles.
BROTTAR.
FRIBAULT (Ernest). — Montbenault, par Faye.
FRIBAULT-GIRARDEAU, à Montbenault, par Faye. — Le Clos Saint-Martin, Le Clos Les Bronnes.
FRIBAULT (Louis et Jules), à Montbenault, par Faye. — Clos des Noël
GARAULT
GIRAULT-VALLEE.
LEBLANC et Fils (Jean). — Clos des Quarts des-Nœ s
LEDUC (Henri et Pierre), à Montbenault, par Faye. — Château de Montbenault.
LEMONNIER (C.). — Domaine des Buissonnets.
PINEAU-LECACHEUR. — Domaine de l'Arboute.
POISSON (R.).
RAIMBAULT (Victor). — Quartier Joseph.
RIBIERE-RENOU
ROBIN-ROCHARD. — Clos de Chanzé, Clos des Chevriottes.

LE VAUDELNAY

MURIAN (L.).

LA FOSSE-DE-TIGNE

BOUJEAU ET JOUIN. — Clos du Beugnon.
GRANRY. — Château de la Petite-Ville.
HJMAULT.

MARTIGNE-BRIAND

BALEINE (E.).
BLET-TOUCHAIS.
BONNIN (J.).
DELHUMEAU.
FOURNIER (L.). — Le Moulin-Turquais.
GOURDON (L.). — Domaine de Pied-Flond.
MONTI (de). — La Cabannière.
NIVELLEAU (Michel). — Cru de Malgné.
PAVILLON. — Clos des Pideaux.
TOUCHAIS (J.). — Domaine de l'Etang
TOUCHAIS (J.).
TOURET (A.). — Les Loges.

Vte ROBERT DE MONTI

Proprietor of the CALONNIERE vineyard

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Gold Medal ANGERS 1896

Gold Medal PARIS 1897

Gold Medal Universal Exhibition PARIS 1900

Wines of ANJOU
HILLSIDES of the LAYON

MONSIEUR DE
St-PERN
PROPRIETOR
FAVERAYE-MACHELLES
(Maine-et-Loire)

HILLSIDES NOELS
FAYE D'ANJOU

HILLSIDES
OF THE LAYON
Wines in casks

MURIAN LOUIS
MESSEME-LE-VAUDELNAY (Maine-&-L.)

HILLSIDES OF THE LAYON
MADAME
CADRAS
Vineyard proprietor and viticulturist
FAVERAYE-MACHELLES (Maine-et-Loire)

HILLSIDES OF LAYON
Wines in casks
ÉMILE GRIMAULT
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ANJOU WINES - HILLSIDES OF THE LAYON
DAVIS-BLOT
Vineyard-proprietor and grower
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Wines in casks and in bottles

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J. FALLOUX
PROPRIÉTAIRES-VITICULTEURS A PASSAVANT-SUR-LAYON (M-&-L) TÉL: N° 1

wines are soft and sweet, without being heavy, they have a pungent bouquet, and their speciality or peculiarity is to become stronger, more robust, more full-bodied by maturing in bottle, whilst their Layon brethren simply become "rounder", more suave and melting.

On the other hand, when these wines are derived from the siliceous-clay plateau which overlooks the Hillé ridge, such as the "Charrot" vineyard, they are dry and take on the always eagerly sought for "gun-flint" flavour

Like almost all the Anjou wines, those of the Loir hillsides keep a very long time in bottle without losing any of their qualities; indeed the contrary is the case, since they enrich themselves with age.

It should be noted too that they do not surrender themselves to the first-comer, it is requisite to understand them in order, so-to-speak, to peel off from the exterior all that they possess within themselves, but having done so, what a delight awaits the investigator!

The years 1919, 1921, 1934 were marvels of which one cannot tire

All these wines, well vinified, are certain to enjoy a surprising longevity, and are generally bought each year by the same connoisseurs of light and perfumed wines.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

ECUILLE

BOURGEOIS (M.). — Les Planches, Facé (Château du Doyenné).
BASTILLE (Mme de la).— Le Moulin-à-Vent(Château de la Roche-Chauvon).
VAISSE. — Château du Plessis-Bourré.
CHANTRELLE. — Clos de Charron.
BENOIST (A.). — Clos des Fontenelles, Poillas.
BENOIST (M.). — Clos de l'Epinay.
LOCHARD (J.). — Les Fontenelles, Poillas, Gravellières.
ESNAULT. — Les Plantes.

ETRICHE

BORE (D.). — Le Pavement (Château de Cimbré).

HUILLE

ROSIN. — Domaine de Saint-Jean.
COINTEPAS. — Domaine de Trémelettes.
CUMONT (Baron de). — Château de la Boucherière.
BACHELOT. — Chantecler.
DUBAS.
DOREAU.

SOUCELLES

BOYER. — Château de Boucelles.
BROCHET. — Gravellières.
LENFANT. — Gravellières.

SOULAIRE ET BOURG

MARION (M.). — Le Testard, Grandes-Vignes.
PICHARD (L.). — Le Reguidas.
MARION (J.). — Le Testard, Les Plantes.
HERY (Pierre). — La Roche-Joulain et La Perrière.
HERY (Alfred). — Le Haut-Vaux, Grandes-Vignes.
BONNET (Mme). — Grandes-Vignes.
BAUGE (Mme). — Grandes-Vignes.
LHOTELLIER (P.). — Clos du Tertre.

TIERCE (Canton)

BORE (D.). — Les Groies-Barpottières (Château de Cimbré).

BRISSAC

BRISSAC (Duc de).
ROZE (P.).
DAVIAU.
BRAULT (A.).
BRAULT (B.).
BENOIST (G.).
COTTENCEAU.
DAVID (E.).
PELLETIER (H.).
PELLETIER (M.).

DENEE

BRICHETEAU-FOUCHARD.
PINEAU (A.).
ROUSSEAU-BOURGES.

ERIGNE

PIQUET (J.).

GOULAINE-SUR-AUBANCE

LEROY (Dr).

JUIGNE-SUR-LOIRE

DELHOMEAU.
MACAULT.

MOZE-SUR-LOUET

BOURGE (V.).
BREVET-BEZIS.
PIONNEAU, (J.)
ROBIN (E.).
PORCHER (Gustave).
PLANCONNEAU.
FROUIN (Louis), HUNAULT.
BOUGERE-AUDIAU.
FURNAGEAU (P.).
VOLLUET-RICHOU.
BONDU (G.).

(See page 522)

THE LOIR & SARTHE HILLSIDES

THE river Sarthe joins the Maine above the city of Angers after having collected the swell from its principal tributary: The Loir.

Among the best vineyards situated on the hillsides of the Sarthe there should be cited: for Briollay "Les Causses", "Le Moulin-à-Vent", "Surpont", "Grand Pressoir", "Gotereau", "Le Grand Clos", "Tricottières", "Hautes Vignes"; for Thiercé: "Le Pavement" (Domaine de Cimbré); for Ecuillé: "Les Planches" (Domaine du Plessis-Bourré), "Facé" (Domaine du Doyenné), "Les Fontenelles", "Le Moulin-à-Vent" (Domaine de la Roche-Chauvon), "Charron", "Poillas", "La Gravellière", "Les Plantes", "L'Epinay", and for Soulaire and Bourg: "Les Grandes Vignes", "Le Testard", Le Raguidas", "Le Haut-Vaux", "Les Plantes", "La Roche-Joulain", "La Perrière", "Le Clos-des-Dames", "Le Tertre".

Following the course of the Loir river upwards, the most reputed white wines are grown on the hillsides of Huillé and of Durtal.

Of a character which could easily cause them to be classified between the wines of the Coteaux-de-Saumur and those of the Coteau-du-Layon, they are typical by reason of their great *finesse* and delicacy.

Emanating from the shale-hillsides of the vineyards of "Les Tertres", "Le Pinot" and "La Patrie", after the fruit has been attacked by the *Botrytis*, these

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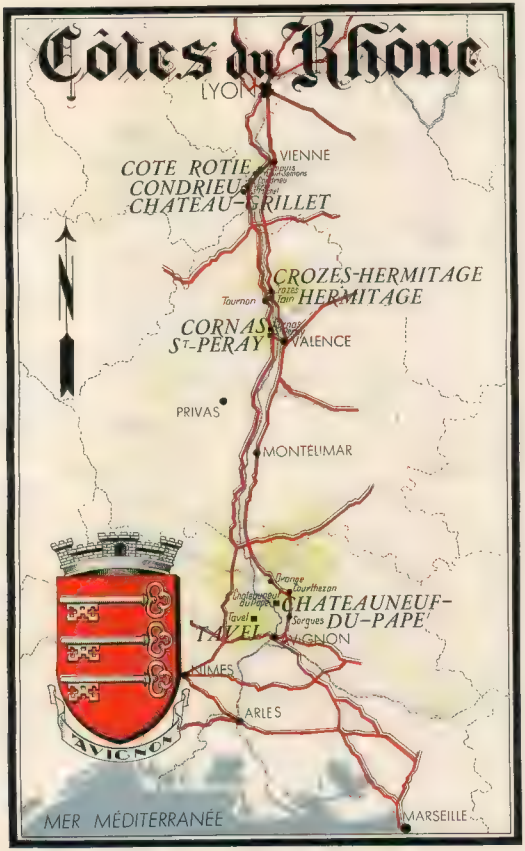
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VIENNE
COTE ROTIE
CONDRIEU
CHATEAU-GRILLET
CROZES-HERMITAGE
HERMITAGE
Tournon
CORNAS
ST-PERAY
VALENCE
PRIVAS
MONTELIMAR
Orange
Courthezon
Châteauneuf-du-Pape
CHATEAUNEUF-DU-PAPE
Tavel
TAVEL
Sorgues
AVIGNON
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GRAND CRU DE FRANCE
Tavel
APPELLATION CONTROLÉE
ARMAND MABY Propriétaire Négociant à TAVEL

MARTEL
Route d'Avignon Orange (Vaucluse)
Ets
& Cie
Côtes-du-Rhône
Châteauneuf-du-Pape
Tavel
ORANGE

was the intense and passionate desire of the Tavel population to maintain its wine tradition; to sustain in their own words "the reputation for good quality of the veritable Vin du Cru", a reputation so well-known and wide-spread "that one had the advantage of seeing the greater part of it going yearly to foreign countries".

As a further side-light let me call attention to what may be described perhaps as an excess of legislative or administrative precaution. The Council issued decrees and the Intendant sent forth Ordinances of a like tenor, under which it was forbidden to put down or cultivate new plantations of vines in the Tavel territory, the purpose being, undoubtedly, to protect those already existing and to restrict and restrain the production of wine. Excess always carries its own retribution and it did so in this instance. There was no reason for any such restraint of human enterprise, since there was no superfluity of wine and no over-production. But the law was severe and was administered with a stern and unrelenting impartiality, so that even the "Consuls of Tavel" fell under the ban and could be fined for any contravention of this decree, which provided that in their case "two experts should be nominated to proceed to a verification of the facts and to institute a charge against the delinquents." That, at least, is how I read the old records of Tavel, some of them dating back to the year 1734.

Mistaken or otherwise, as may have been these "measures of safety" one thing emerges crystal clear and that was, I repeat, the ardent and inexpugnable desire of the inhabitants of Tavel to maintain in its pristine glory, the fame of their wines which had endured for three centuries. That tradition has been so loyally observed, it has been accompanied with so much success that today they can proudly boast — and indeed they do so with something which is almost akin to a pleasant arrogance — that their grand cru is incorporated in the golden and glorious hierarchy of the great wines of France.

The community of Tavel offers the world two marks of exquisite wine of superior quality, called "Vacquieres" and "Chanteperdrix". The rapture of the sun ravished fields are in them; they have re-captured the very essence and soul of the vine before its green beauty had withered and passed away. They are capable of filling the air of a room with a sudden and seductive perfume because they are full of the sorcery of their own hidden sunlight. Their merits are indisputable and indisputable. There I leave them; only adding the more prosaic note that the vine-clad fields of Tavel with those of the adjoining parish of Lirac, produce the best *Rosés* in the whole of France! Surely that alone were praise enough!

W. W. C.

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Paul Jaboulet Aîné

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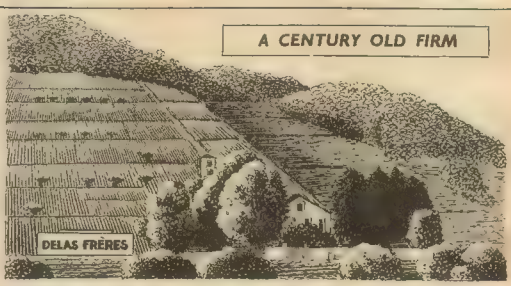

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HERMITAGE et CORNAS

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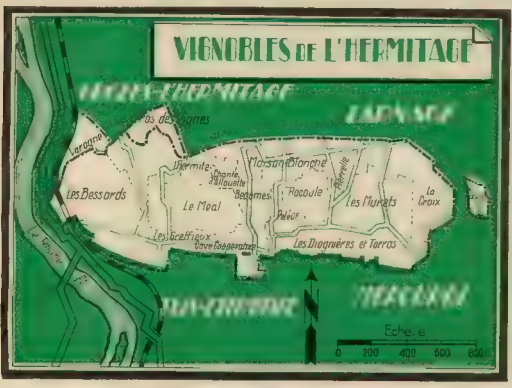

HERMITAGE.—A full-bodied 10° red wine with a fine dark red colour, a hawthorn bouquet, an original flavour with a suspicion of bitterness. It is a wine which keeps well. (*Yield 352 gallons to the acre.*)

The 10° white wine is slightly sweet, mellow, powerful, of a pale yellow colour, with a characteristic rustic flavour and a penetrating bouquet. (*Yield 352 gallons to the acre.*)

The Straw or Vin de Paille wine registers 14° and has a yield of 352 gallons to the acre.

HERMITAGE. — Vin rouge, 10°, corsé, belle couleur rouge foncé, bouquet d'aubépine, saveur originale avec une pointe d'amertume. Il est de bonne garde. (Rend. 40 hl à l'ha).

Vin blanc, 10°, sec et moelleux, puissant, couleur jaune pâle, sève rustique et bouquet pénétrant. (Rend. 40 hl à l'ha.)

Vin de Paille, 14°. (Rend. 40 hl à l'ha.)

HERMITAGE

ALL the French writers who attempt to describe the Hermitage Hill, with its picturesque white chalets ranged tier upon tier above the bounding Rhone are prone to unrestrained rhapsodies.

The place lends itself to extravagant eulogies, for the greatest of French poets have chanted its beauties in divine accents across the ages. And the wine and the hill are inseparable. To the selective and experienced wine-bibbers of old, it was rapturously acclaimedas the spoilt-child of the gods, as th e favoured of Bacchus himself, and as the Grand Seigneur in the noble line of the great wines of France.

In vain have men sought to discover its origin by delving into the dust of the far-distant past. It coyly eludes them, leaving no more certainty than that it

Geographical area of the Provence wine Brandies

to the Haute Garonne, the Ariège, the Eastern Pyrénées, the Tarn and Garonne, the Tarn, the Aveyron, the Aude, the Hérault, the Gard, the Lozère and the Ardèche, which actually constitute an homogeneous region on the plan of that production

Thus no spirit, brandy or eau-de-vie can now be delivered to either French or foreign consumers, under the name of "Eau-de-vin originaire du Languedoc" or "Eau-de-vie du Marc, originaire du Languedoc" if it has not first received the label of the Committee.

Today, as yesterday the brandy marked with the Languedoc coat of arms is the French eau-de-vie of quality loved by all connoisseurs.

P. BORIES.
(Doctor-in-Law).

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Madame the Widow POILASNE, proprietress

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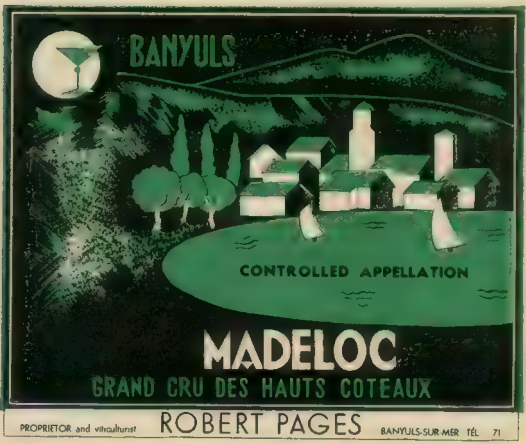
RENÉ MITJAVILE
RENÉ MITJAVILE
CERBÈRE
PROPRIETOR
District of BANYULS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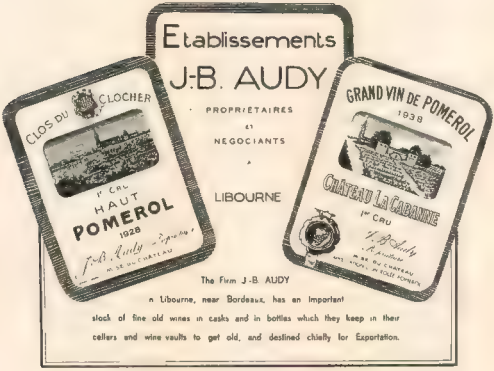

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PICON et Cie. — 4, rue de Serre, Bordeaux (Gironde).
PICON et Cie. — 103, Levallois (Seine).
PICON et Cie. — 9, bd National, Marseille (B.-du-R.)
PIPPERMINT FRANC. — Revel (Haute-Garonne),.
PIPPERMINT GET. — Revel (Haute-Garonne).
PLAIN (R.-F.). — Castillon (Dordogne).
QUENOT (Ets H.) — Dijon (Côte-d'Or).
RAISSAC. — 29, av. de Toulouse Revel (Hte-Garonne)
RANCAUX (D. et Fils) (ex) — Thiviers (Dordogne)
RASPAIL. — 53, av. Laplace, Arcueil (Seine).
RAYER (Maurice). — Quai du Roi-de-Pologne, Angers (Maine-et-Loire).
REGNIER (L.). — 46, rue de Gray, Dijon (Côte-d'Or)
REQUIER. — 30, rue de Chanzy Périgueux (Dordogne). " Le Gaulois ".
RHUMS PURS (Cie des). — 20, rue de Madrid, Paris.
RICHARD (Ph. et Fils). — 3, cour Baudoin, Paris-Bercy.
RICOLES — 101, bd Victor-Hugo, Saint-Ouen (Seine).
ROCHER (Frères). — Le Coat Saint-André (Isère), 57, rue du Bois, Clichy (Seine).
ROQUE (Les Fils d'Armand). — Sarlat-en-Périgord (Dordogne).
ROUVIERE (Cassis). — 29, rue de Gray, Dijon (Côte-d'Or).
ROZES (Ets). — 20, rue Raze, Bordeaux (Gironde).
SAINT-RAPHAEL (Sté). — 8, rue du Parc-Royal, Paris.
SALERS (Distilleries de la). — 668, bd de l'Aigle, La Garenne (Seine).

SARDET et DERIBEAUCOURT. — 17, rue de Thorins, Paris-Bercy (Seine).
SECRESTAT (J.-H. Aîné). — 40, cours du Médoc, Bordeaux (Gironde).
SENANCOLE (La). — 4, rue Ponthis, Salon de Provence (Bouches-du-Rhône).
S. I. A. P. O. — 21, av. de Messine, Paris.
SIMON (Aîné). — Chalon-sur-Saône (Saône-et-Loire), 32, rue de la Justice, Aubervilliers
SUZE (Distillerie de la). — 11, rue de Crétaill, Maisons-Alfort.
TAILLAN P.-Sète (Hérault).
THOMANN (Paul) (Distillerie du Bas-Rhin). — Schiltigheim (Bas-Rhin).
THOMAS & Cie. — 15, rue Martel, Paris.
TRILLES (Henri). — Route de Thuir, Perpignan (Pyrénées-Orientales).
TROGNEUX (voir Violet). — 10, rue Haigneré, Boulogne-sur-Mer (Pas-de-Calais),
TURIN-TURIN (Sté). — Limoges (Haute-Vienne).
UNION FRANCAISE DES VINS D'ORIGINE. — 45, rue Gilbert-Médéric, Le Perreux (Seine).
VANDER GUCHT (Fernand). — 106, rue Nationale, Bar-sur-Aube.
VANOT (Distillerie). — 12, av. de Châtelguyon, Riom (Puy-de-Dôme).
VERVEINE DU VELAY (La). — 2, fg Saint-Jean, Le Puy-en-Velay (Haute-Loire), 12, rue Pomereu, Paris (16e).
VIAN et VIEIL. — 24, bd des Arènes, Marseille (Bouches-du-Rhône).
VIEILLE CURE. — Cenon (Gironde).
VIOLET (P.). — 10, rue Haigneré, Boulogne-sur-Mer (P.-de-C.),

BOURG-COTES DE BOURG-BOURGEAIS.—Red wines of 10°5, *full-bodied, highly coloured, firm, giving excellent bottles.* (*Yield* 440 *gallons to the acre. White wines of* 10°5, *strong, potent, alcoholic, dry or half-dry.* (*Yield* 352 *gallons to the acre.*)

Vins rouges, 10°5, corsés, colorés, fermes, donnent d'excellentes bouteilles. (Rend. 50 hl à l'ha.)

Vins blancs, 10°5, puissants, alcoolisés, secs ou demi-secs. (Rend. 40 hl à l'ha.)

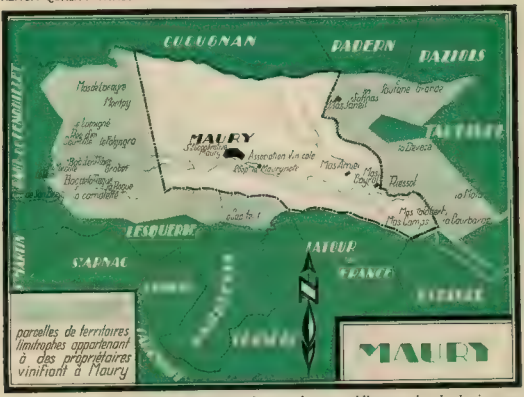
BOURG OR BOURGEAIS & COTES DE BOURG

By. M. R. TABUSTEAU
President of local Viticultural Syndicate

Since the Gallo-Roman era, the wine of Bourg-sur-Gironde has enjoyed a happy and undisputed reputation. Already in the IVth century the poet Ausone sang of it in sumptuous and classic Latin verse.

In the heart of an essentially viticultural district which, facing Médoc, dominates the junction of the Dordogne and the Garonne rivers, the clay-lime or clay-gravel hillsides of Bourg are today harmoniously enriched with vines, whose traditional encépagement remains an always highly respected cult.

A stationary and sedentary population born on the land which it cultivates, unsparing of vineyard toil, and of the work of vinification, its meticulous care arises from a combination of the most valuable ancestral experience and of the most solid conquests assured by modern science.



MAURY. — A minimum alcoholic degree of 14 is obligatory in the basic must. (Yield 220 gallons to the acre.)

Les moûts de base doivent tirer au minimum 14°. (Rend. 25 hl à l'ha.)

MAURY

By DAMIEN MARQUIE

In a sun-scorched valley bordered by the twin crests of the ash-laden Labèze and the proud Corbières, which make a blurred and indistinct outline up to the Peak of Bugarach whose head is wrapped in mist as with some gigantic cowl, quite close to a shallow river staked out here and there by poplars shuddering and quivering under the assaults of a noisy northern wind, the humble and yet celebrated village of Maury perched upon a little hillock seems to watch jealously over its centuries-old vineyard which arises all around and about the verdant ridges and crests.

Already as far back as the year 277 B.C. the strong and lusty warriors of Hannibal, grown weary with so much belligerency, abandoned their adventurous and bloody career, settled down in this vicinity and became the first vine-growers here. Unhappily however this was not for long. Having become the grand highway between Roussillon and the high valley of the Aude via the mountain pass or "col" of the Grau, the Maury territory, in the course of the ages saw incessant invasions which ruined its cultivations. Slowly and painfully however the vine, little by little, recovered its ancient domain. Thanks to several cepages which had been spared amidst the hectic and devastating turmoil, the wine of Maury during the XVIIth century gained the favours of the Court since the Sun-King gave it habitually a place of honour at his table.

After many and differing vicissitudes the fatal year of 1880 ensued and the dreadful phylloxera ravaged the vineyard from end to end. It was a complete

NATURAL SWEET WINES
BANYULS-MAURY

Jacques Moulines

19, RUE CABRIT
PERPIGNAN (P.-O.)

SOCIÉTÉ DES VINS DE BANYULS NATURELS

"BARTISSOL"

THE MARK WHICH GIVES BANYULS ITS RENOWN

Banyuls-sur-Mer (Pyr.-Or.)

QUALITY WINES

CONTROLLED APPELLATIONS :

HAUT ROUSSILLON
RIVESALTES
MAURY
COTES D'AGLY
BANYULS

MAURICE

BOURDOUIL

Proprietor at CASES DE PENE

TÉL. : 31 RIVESALTES (P.O.)

WINES AND SWEET WINES
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TECHNICAL MANAGEMENT AND FACTORIES
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Cables : SIAPORB-PARIS

WHOLESALE IN CASKS

MONBAZILLAC

Controlled Appellation

CHATEAU DE LA DESVIGNES

First Great Growth

C^te J DE ROQUETTE BUISSON

MONTRAVEL, COTES DE MONTRAVEL, HIGH MONTRAVEL.— A good 11° white wine, moelleux or half-liquorous, with a good bouquet and a certain finesse. (Yield 417 gallons to the acre.)

MONTRAVEL ; COTES DE MONTRAVEL ; HAUT-MONTRAVEL. — Bon vin blanc, 11°, moelleux ou demi-liquoreux. Du bouquet et une certaine finesse. (Rend. 47 hl à l'ha.)

MONTRAVEL

THE COTES OF MONTRAVEL AND HIGH MONTRAVEL

It is almost impossible to traverse the territory of Montravel in the administrative district of Vélines without recalling in one way or another the name of the great philosopher Montaigne.

The visitor to this country is invariably seduced by its beauty and cannot avoid mentally confusing the present with the past or vice versa. For that reason he is bound to make the traditional pilgrimage to the Château which was alike the cradle and the ultimate refuge of the great philosopher.

He was a great friend and lover of wine, particularly of his own without doubt. Although a moralist, did he not write: "To drink a little of it and moderately at each repast, is it not restraining too much the favours of this God?".

For the Montravel white wines possess all the nobility and the special *cachet* and seal of the soil ; they have that highly appreciated sap and bouquet, which are to be found in the whole range of its products, that soft sweetness, mellowness and richness in liquour, which makes them always in increasing demand.

Muscadet

Château des Gillières

Delhoumeau-Berlynde
Propriétaires-Viticulteurs

Haye-Fouassière
Loire-Inférieure

SAINT-FIACRE (end)

GADAIS (Louis). — Le Bourg. — Clos des Ménardières
GOBIN (Henri). — Le Bourg. — Clos de la Noë-des-Buttes.
GREGOIRE. — Clos des Gras-Moutons.
GUILLET (Alexandre). — La Bourchinière. — Clos du Moulin.
JAUMOUILLE (R.).
LA CROIX DE L'HOMELET. — Clos des Gras Moutons.
LEROY (Joseph). — La Hautière. — Clos du Lièvremort.
MARTIN (Auguste). — La Bourchinière. — Clos du Rochis.
MENARD (Marie). — La Métairie.
PERRICHON (Henri). — La Bourchinière. — Clos de la Brosse.
POIRON (André). — La Hautière. — Clos de la Gavaudérie.
POIRON (Charles). — La Hautière. — Clos des Ecornes-Bœufs.
POIRON (Joseph). — La Hautière. — Clos du Crevis.
POIRON (Léon). — La Hautière. — Clos de l'Epinay.
POIRON-GUILLET. — Clos de la Grand-Maison.
SCHERER (Général). — Château de la Canterie.
THEBAUD (Gabriel). — La Hautière.
THEBAUD (Henri). — La Métairie. — Clos des Métairies.
THUAULT (Léon). — La Bourchinière. — Clos des Feux-Berniers.

VERTOU

DUORNEAU (Francis). — Clos des Mortiers
LABERYRIE. — Clos de la Ramée-d'Artois.
LESIMPLE (J.). — Clos de la Ramée.
MERLET (B.). — Clos de la Forêt.
PATOUILLERE. — Clos de la Grammoire.
PRIOU (P.). — Clos de la Nicolière.
SAUPIN (A.). — Clos de l'Echalonnière.

VALLET (Canton)

AUBRON (J.).
BAHUAUD (D.). — La Chapelle-Heulin.
DURAND (A.). — La Chaloutière.
GUERIN-ROUSSEAU.
PINEAU-BOITEAU.
CHENOUARD.
BONNET (P.).
GUINDON.
HUET (Pierre). — Domaine de La Chevalerie.
LECONTE (C.), de Clisson. — Château des Dorices

SAINT-GEREON

BOJRDEAUT (A.). — Au Petit-Moulin.
GUINDON (S.). — La Croix-de-Mission.
TOUTBLANC (E.). — Domaine des Grandes-Pierres-Mesliéres.

ANCENIS

ATHIMON (Auguste). — Les Genaudières (Le Cellier).
AUBRON (Pierre). — Avenue Francis-Robert.
BOSSARD (J.-M.). — Au Bourg (Saint-Géron).
CATHELINAIS FRERES. — Rue de la Gare.
LUNEAU (Ferdinand). — Rue de la Gare.

OUDON

COULON (Veuve). — A la Noëlle.
DAVID (Th.). — Au Bourg.
DURASSIER (J.-B.). — Au Bourg (Saint-Géron).
MARCHAND (L.). — Au Bourg.
PIPAUD (H.). — Au Bourg.

LE CELLIER

ATHIMON (A.). — Les Genaudières
ATHIMON (F.). — Saint-Mean.

PIERRE

Bonnet

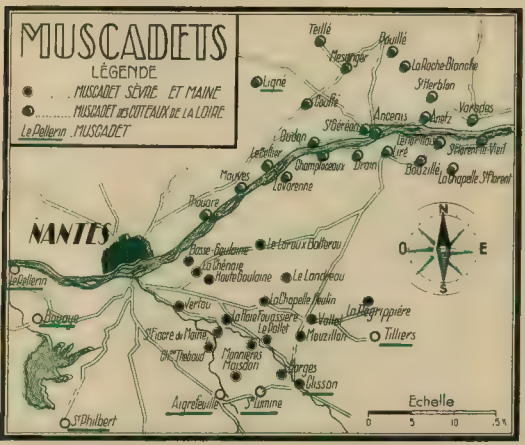
VINS

LA BRONIÈRE

VALLET (LOIRE-INFÉRIEURE)

Muscadet
A. Gaulier & Galbert
PROPRIÉTAIRES NÉGOCIANTS
HAUTE-GOULAINE · Loire-Inf^re
APPELLATION CONTROLÉE

Muscadet
BENJAMIN FLEURANCE
CLOS DES GAUTRONNIÈRES
LA CHAPELLE-HEULIN (Loire-Inf.)
SÈVRE ET MAINE APPELLATION CONTROLÉE
BENJAMIN FLEURANCE
PROPRIÉTAIRE-VITICULTEUR
LA CHAPELLE-HEULIN (Loire-Inf.)



MUSCADETS.—Very good 9°5 white wines, dry, which are consumed when comparatively young. Clear, limpid, fresh, and carrying an agreeable bouquet. (Yield 352 gallons to the acre.)

MUSCADETS. — Très bon vin blanc, 9°5, sec, qui se boit relativement jeune. Clair, léger, frais, agréablement bouqueté. (Rend. 40 hl à l'ha.)

WINE OF ANJOU
HILLSIDES OF THE AUBANCE

FERNAND
JOLLY
VINEYARD-PROPRIETOR
AND VITICULTURIST

LA BOURELIERE MURS (M.-&-L.)

GREAT WINE OF ANJOU
HILLSIDES OF THE AUBANCE

VINEYARD
OF " L'EPINAY "

Poitevin Bernier
VINEYARD PROPRIETOR AND VITICULTURIST
LE COIN MURS (Maine-et-Loire)

SAINT-FIACRE

This coquettish and picturesque little parish enjoys an entirely special and really exceptional situation, since it forms a peninsula between the two rivers of the Sèvre and the Maine.

The 565 acres of its vineyard entirely planted on a ridge —which widens as it goes, and whose slopes fall gracefully down to the two rivers —form a perfectly homogenous whole, and furnish a Muscadet with a pronounced characteristic taste and flavour.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

SAINT-FIACRE

BAHUAUD (Francis). — Le Bourg. — Clos des Ménardières.
BAUD. — La Métairie. — Clos de l'Epinay.
BAUDY (Mme). — La Noë-des-Buttes. — Clos du Champ-des-Liards.
BRANGER (Auguste). —Le Bourg. —Clos du Champ-des-Roches.
BICHON (Pierre). — Beauregard. — Clos de la Canterie
BOUTIN (Gaston). — LE GUEJOUBERT. — Clos des Mauquitannières.
BRETONNIERE (Fernand). — La Bourchinière. — Clos de la Motte.
BOUCHAUD (Mme Pierre), — La Métairie. — Clos du Champ-des-Liards.
BOUCHAUD (Henri). — La Hautière. — Clos du Champ-des-Liards.
BOUCHAUD-PENEAU. — Le Coteau. — Clos des Vieux-Presbytères.
CAUSSADE (Yves). — Le Bourg. — Clos de la Messe.
CHATELLIER (Joseph). — La Hautière. — Clos de l'Ormière.
COUESBOUC (de). — Château du Coin.
DABIN (Eugénie). — Le Bourg. — Clos des Gras-Moutons.
DAVID (Auguste). — La Hautière. — Clos des Métairies.
DAVID (Joseph). — La Hautière. — Clos des Chesnais
DEBORDEAU (Jules). — La Hautière. — Clos des Métairies.
DELOUMEAU (Louis). — Le Bourg. — Clos des Presbytères.
DENIAUD (Alexandre). — La Bourchinière. — Clos du Moulin.
DILLET (Constant). — Le Bourg. — Clos de Beauregard.
DROUARD (Léon). —La Métairie. — Clos du Champ-des-Liards.
FRENEE (Mme). — Château de la Chasseloire.
FUTEUL (Fernand). — La Hautière. — Clos de la Noë-des-Buttes.

CLOS de SAINT-MEEN

MUSCADET

" COTEAUX DE LA LOIRE "

FRANCIS

ATHIMON

LE CELLIER (Loire-Inférieure)

MUSCADET

APPELLATION SÈVRE ET MAINE CONTROLÉE

AUGUSTE

DURAND

Vineyard-proprietor and Wine-merchant

LA CHALOUSIÈRE

VALLET

(Loire-Inférieure)

Appellation Sèvre et Maine contrôlée

Muscadet

Pineau Boiteau

Propriétaire Négociant

VALLET
(LOIRE INFE)

CRU RÉSERVÉ

MÉDAILLES D'OR D'ARGENT ET BRONZE
AUX EXPOSITIONS

DE PARIS ET DE NANTES

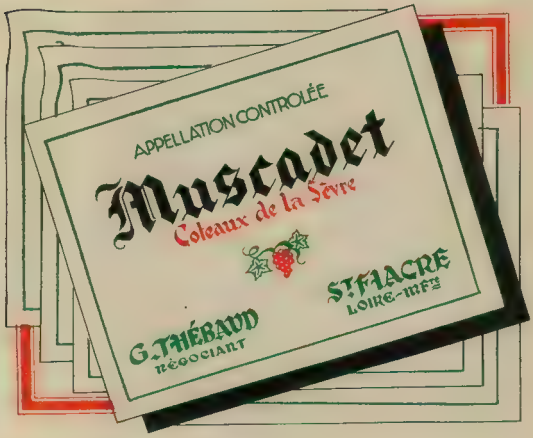
Clos des Gras Moutons
St FIACRE Loire-Infre

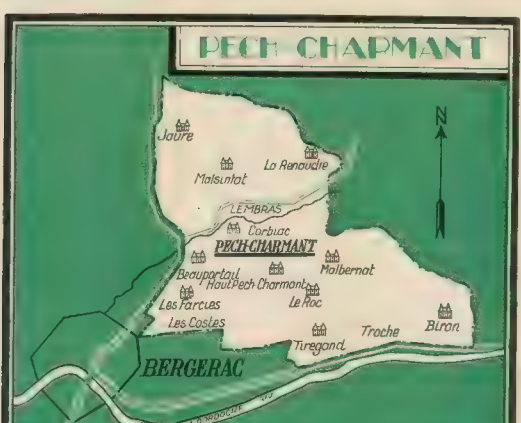
Muscadet
SÈVRE & MAINE

1er Grand Cru A. GRÉGOIRE
Owner

Purveyor to the principal Restaurants, Hotels, Breweries and Cafés, in Paris and in the provinces.

Muscadet
DE SÈVRE & MAINE
APPELLATION CONTRÔLÉE
J. AUBRON
L'Audigère de Vallet
(LOIRE INFRE)


APPELLATION CONTROLÉE
Muscadet
Coteaux de la Sèvre
G. THÉBAUD
NÉGOCIANT
ST FIACRE
LOIRE-INFre



PECHARMANT.—An 11° red wine. (*Yield* 334 *gallons to the acre.*)
PECHARMANT. — Vin rouge, 11°. (Rend. 38 hl à l'ha.)

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

ROSETTE

ALBERT (Abel). — Château de Bordes.
CASTANT. — Sainte-Foy-des-Vignes.
CHANCEAULME. — Rosette.
DUC (Mme). — Au Terme du Roy.
LACROIX (Mme). — Aux Costes.
POUGET (Elie). — Au Tuquet.
RAYMOND (Jean). — Domaine Raymond de Rosette, à Rosette.
REGNAULT (Louis). — A la Catte.
SANTAN. — A Puypezat.
VIGIER DU GASTON. — A Pourcal.
BEAUDRY (Fernand). — A Jaure.
CARRE. — Au Périer.
GIRAUD (Maurice). — A Couesembre.
LARGE (Jean). — A Simondre.
COLLET (Roger). — A Montplaisir.
VERDIER (Gaissaire). — Cantemerle.

PECHARMANT

BRISSEAU (Albert). — A Pécharmant.
CAZENILLE (Louis). — Haut Pécharmant.
CAZENILLE (Pierre). — Pech-Charmant.
DURAND DE CORBIAC (Louis). — Corbiac.
DURAND DE CORBIAC (Albert). — Beauportail.
DUSSEAU (René). — A Peyrelevade.
FAISANDIER. — A Pécharmant.
GAUFFRE (André). — A Briasse.
GUEYLARD (Jean). — A Brjasse.
GOUYOU (Vve). — A Pécharmant.
GAGNEBE (Georges). — Château du Roc.
LABATUT (de). — Aux Farcies.
LACROIX (Mme). — Aux Costes.
LAFOSSE (Edmond). — Aux Farcies.
PINEAU (Abel). — A Jaure.
BOUTRAY (Baron de). — Château de Tiregaut.

SPECIALITY OF WHITE WINE OF QUINCY

SAUVIGNON
GUARANTED ORIGIN

NOBLE WINE

SOLD IN EITHER CASKS OR BOTTLES

GILBERT SURTEL FILS, SUCCr
VINEYARD PROPRIETOR AND WINE GROWER AT QUINCY

Formerly . Alexandre Surtel et Fils. Established 1900 48 Prizes and Medals at both competitions and exhibitions Gold - Silver and Bronze - Diplomas of Honour and Above Competition.

WINES OF QUINCY

CONTROLLED
APPELLATION

MAURICE
VINCON
QUINCY (Cher)

WINES IN CASKS AND IN BOTTLES

WINES OF QUINCY

ROGER
LECLERC
QUINCY (Cher)

WINES IN CASKS AND IN BOTTLES

QUINCY
NOBLE WINE

WINES IN CASKS
AND IN BOTTLES

HENRI MORIN
QUINCY (CHER)

GRANDS VINS
DE QUINCY

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VITICULTEUR
Le Moulin, Quincy (Cher)

QUINCY
ÉMILE MARDON
Propriétaire-Récoltant
à QUINCY (Cher)

APPELLATION CONTROLÉE
" QUINCY "
M. VILPOUX (F.)
ROPRIETOR
QUINCY Tél. : 6 (Cher)

QUINCY
NOBLE WINE

GASTON LAPHA
QUINCY (CHER)
WINES IN CASKS AND IN BOTTLES

QUINCY.—A very good white wine of 10°5 a product of the SAUVIGNON cépage. Dry and soft, fine, elegant with a good bouquet. (Yield 396 gallons to the acre.)

QUINCY. — Très bon vin blanc, 10°5, produit par le cépage SAUVIGNON. Sec et moelleux, fin, élégant et bouqueté. (Rend. 45 hl à l'ha.)

MADIRAN.— A 11° red wine of the BEARN country; full-bodied, robust, fruity, with more substance than spirit but which will keep well.

PACHERENC DU VIC-BILH.—A 11° BEARN white wine, mellow or liquorous with a quite original flavour which causes one to think of the Madeira wines. Those coming from the PORTET district are the best.

MADIRAN. Vin rouge, 11°, du BÉARN, corsé, robuste, charnu et fruité, de très bonne garde.

PACHERENC DU VIC-BILH. — Vin blanc, 11°, du BÉARN, moelleux ou liquoreux, saveur originale avec une sève rappelant quelque peu le Madère. Ceux de la région de PORTET sont parmi les meilleurs.

FRENCH SHIPPING MERCHANTS

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CHEVALIER FRÈRES, Bordeaux (Gironde). Agents : W. I. Hollebone & Sons, 19, Southampton Place, Bloomsbury, W.C.1.

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CLAVERIE (PIERRE), Ch. Gravas, Barsac (Gironde) 59

CLERCY-GROSSARD, Ch. du Grand-Chemin, Cerons (Gironde)

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COMPTOIR COMMERCIAL D'IMPORTATION, 42, rue Etienne-Marcel, Paris (1er).

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CONSORTIUM INTERNATIONAL DE REPRÉSENTATION, 84, rue de l'Abbé-de-l'Epée, Bordeaux (Gironde) 1149

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CORRE (G.), Ch. La Commanderie, Lalande-de-Pomerol (Gironde).

BORDEAUX

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CUNLIFFE, DOBSON & Co., Bordeaux. (Dubos Frères & Cie., Successrs) General Agents for United Kingdom and Ireland : — Robertson, Villar & Watson, Ltd., 33, Eastcheap, London, E.C.3 Agents for Scotland : — J. G. Thomson & Co., Ltd., The Vaults, Leith.

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DAMLUC (Domaine de), Cambianes (Gironde).

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DANIES-SAUVESTRE (R.) Château Laborie, Sainte-Croix-du-Mont (Gironde) 118

DARBAUD (Ets), Bordeaux.

DARRIET (A.B.), Ch. Arnaud-Jouan, Cadillac 164

DARRIET (J.), Ch. Dauphine Rondillon, Loupiac (Gironde) et Château des Tourelles à Cadillac. 120

DARVAND (F. & Co.), 16, rue Ferrère, Bordeaux (Gironde).

DAVID (J.), Domaine du Poncet, Omet, par Cadillac (Gironde) 168

DAVID (J.-B.), Domaine de Turon-la-Nère, Loupiac (Gironde) 124

DÉCRAMBE, Branne (Gironde).

DELARRAULT A. & Cie, England and Wales : Sydney F. Chorley & Co., 14 a, Pampisford Road, Purley, Surrey

DELAHOUTRE (P.), Ch. La Pointe, à Pomerol, & Ch. Tournalin et Puy-la-Brie, à Fronsac.

DELSOL-BOUTEILLER, Ch. Lanessan, Cussac 198

DELETAGE (J.), 43, rue Poyenne, Bordeaux ..... 1119 et 1194

DELOCHE (M.), Chât. Gontier, Blaye (Gironde). 300

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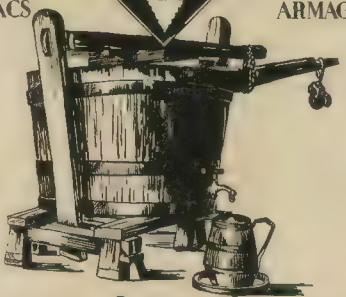

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LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

LA TOUCHE-DE-TIGNE

DEFOIS (Alexis). — Clos de la Grande-Terre.
POLLEAU (René).

TIGNE

TOUCHAIS (J.).
TURPAULT (H.).

LES VERCHERS-SUR-LAYON

BABIN (R.).
BOISMENE (Auguste).
BIONNEAU (Général Emile).
COLLET (Eugène).
CHEVALIER (Achille).
COURAULT (Eugène).
DUBRAY Frères.
FAVREAU (Denis).
GAUDICHEAU (Louis).
GEOFFRE (Marquis Jean de).—Château d'Echevilly.
GUYON (Charles). – Château de Beaugé-Menueu.
HUNAULT (Joseph).
HUNAULT-RICHARDIN.
NEAU (Mme).
NICOLAS (René).
PANNIER-DEQUESNE. — Clos d'Arsault. Clos de la Masse.
PERCHER (Joseph). — Clos des Reutés.
PRIEUR (Camille).
PROUST (Eugène).
THOMAJEAN (Henri).

Louis
GAUDICHEAU

HILLSIDES OF ANJOU
WINES IN CASKS
LES VERCHERS-SUR-LAYON — (Maine-et-Loire).

CAMILLE PRIEUR AUX FONTAINES
Vineyard - proprietor and wine - grower **LES VERCHERS-SUR-LAYON** (Maine-et-Loire)
Sale in casks and in bottles
HILLSIDES OF THE LAYON – WHITE & ROSÉ WINES

VINEYARD OF "RENONDEAU"
Wine of Anjou - Hillsides of the Loire river
Louis RABINEAU
Vineyard-proprietor and wine-grower
INGRANDES (Maine-et-Loire)

VINEYARD OF
SALVERT
BLACHEZ
Proprietor
MONTJEAN (M.-et-L.)
ANJOU - HILLSIDES OF THE LOIRE RIVE I

ANJOU — HILLSIDES OF THE LOIRE RIVER

pierre loyau

Vineyard-proprietor and wine-grower

AT CHATEAUPANNE-MONTJEAN (Maine-et-Loire)

VINEYARDS OF LA CHAPELLE, CHATEAU ORCHERE & FIEF DE PUBELLE

Vineyard - proprietor and wine-grower
SAUTJEAU SYMPHORIEN
MONTJEAN (Maine - et - Loire)

GREAT WINES OF ANJOU - HILLSIDES OF THE LOIRE RIVER

Victor CESBRON
Established 1881

SPECIALITY OF
FINE WINES OF ANJOU
in casks and in bottles
Maurice ORTION
Successor - Wine-merchant
MONTJEAN (Maine-et-Loire)

GREAT WINES OF ANJOU
HILLSIDES OF
THE LOIRE RIVER

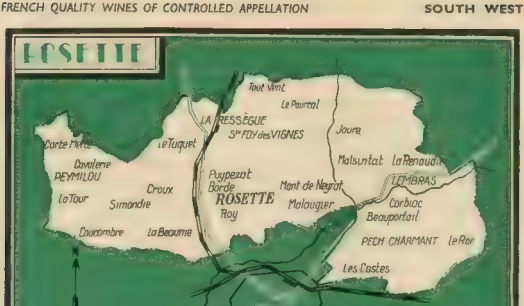
Mme Prestreau
Proprietress
L'EPINAY
MONTJEAN
(Maine-et-Loire)

REVEILLARD ROBERT
Vineyard-proprietor and wine-grower

VINEYARD OF
CHAUMIER
FOLLE BRISE — LA POMMERAYE
(Maine-et-Loire)
WINES OF ANJOU
HILLSIDES OF THE LOIRE RIVER

WINES OF ANJOU - HILLSIDES OF THE LOIRE RIVER

VINEYARD OF
MOULIN DU LION
GERFAULT-BUREAU
Vineyard-proprietor and viticulturist
LA POMMERAYE (Maine-et-Loire)



ROSETTE.—A 12° *white wine.* (*Yield* 334 *gallons to the acre.*)

ROSETTE. — Vin blanc, 12°. (Rend. 38 hl à l'ha.).

ROSETTE AND PECHARMANT

By ABEL RAYMOND
President of the Bergerac Wine-merchants Syndicate

The white wine vineyard of Rosette spreads itself over the semi-circle of hills around the town of Bergerac, with an extension towards the west. These are the southern slopes of what are known as the "Côtes Nord" of the Dordogne, greatly favoured by sun, with sandy and gravelly soils which, taken in conjunction with the local climate, contribute particularly to the quality of the wines coming from this vineyard.

It is very probable that the name of Rosette is the symbol of its wine's perfume, so seductive and agreeable is its bouquet.

The oldness of its reputation is found perfectly established in Article 75 of the Statutes of the Town of Bergerac, prior even to the year 1327!

"It is", said the eminent Professor Kuhnholtz Lordat, "the superior type of the white wine of Bergerac".

An offspring of the aristocratic cepages: the Sémillon, the Sauvignon and the Muscadelle, gathered in a special fashion when it has reached a certain and given state of maturity, vinified rationally, Rosette is a white wine with a minimum alcoholic richness of 12°. It keeps perfectly.

SEYSSEL.—A 10°5 white wine, dry, supple, tender, with a pale yellow colour and a delicious violet bouquet. (Yield 220 gallons to the acre.) Also an 8°5 fine, original sparkling wine. (Yield 352 gallons to the acre.)

Vin blanc, 10°, sec, souple, tendre, belle couleur jaune pâle, délicieux bouquet de violette. (Rend. 35 hl à l'ha.)
Mousseux, 8°5, fin et original. (Rend. 40 hl à l'ha).

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La Celtique
CALVADOS
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Prunes
COUZI
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TAILLEFER
Vieille Eau-de-Vie
Prunes
COUZI

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FINE AND SELECTED WINES
LIQUEUR WINES
MISTELLES

SANCERRE. — *A white wine produced from the Sauvignon, or smoky-white wine. Generally pale and dry, the wine in the best years becomes mellow and golden in colour. It has a delicate bouquet and flavour, supplemented by a gunflint flavour in the Chavignol crop. Always a good wine, it sometimes attains greatness.*

Maximum yield per hectare : 35 hl. Minimum strength, 10,5 *deg.*

SANCERRE

For nearly two thousand years the Sancerrois vineyard has lined up its cepages on the left bank of the river Loire, opposite to Pouilly.

Let us say at once that the Viticultural Syndicate of Sancerre has adopted a noble and proud motto, a perfect symbol of courage and honesty, but one extremely difficult to live up to and to maintain :

TAUTAVEL *(end.)*
VIDAL (Veuve Antoine).
VIDAL (Marceau).
VIDAL-MANAUT (Juliette).
VIDAL (Charles).
VILATE (Baptiste).
VERNIS Edouard).

TUCHAN (A. de
FORT (Auguste).

VINGRAU
BENEDETTI (Jean).
CAVE COOPERATIVE
CHAVANETTE (Robert).
ESPINET (Maurice).
GARDES (Noelle) et CASTANY (Angele).
PEYRE (Marguerite) et SARDA (Augustin)
RAMUNATXO (Joseph).
RAZUNGLES (Jean) et BERINGUIER (Germaine).
RAZUNGLES (Joseph).

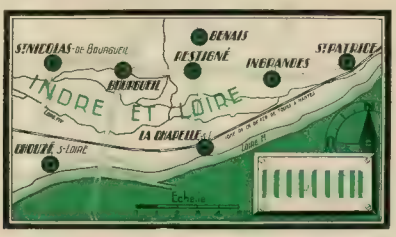
NATURAL SWEET WINES OF THE « COTES D'AGLY »
SUPERIOR « CORBIÈRES » WINES
ORDINARY TABLE WINES

Founded in 1910, the Estagel Viticultural Cooperative Cave was the first communal construction to be erected in the Agly Valley: itself the cradle of viticultural cooperation in the Roussillon county.

Successive enlargements and extensions of its have made it the largest and the most important cooperative association of its kind in the county. It has a membership of 672 vine-growers who have the right to bring to it a collective crop of just over 21.000.000 lbs of grapes annually. Its cellars have a storage capacity for more than 2.000.000 gallons of wine. The Estagel Viticultural Cooperative Society comprises several separate vinification groups, each of which competes with its neighbour, in seeking to establish an ever-higher standard and symbol of wine quality, a pursuit for the attainment of which, this district is specially propitious.

The Muscatelles (that is to say, the partially fermented white-wines to which a small quantity of brandy has been added) and the high quality liqueur wines, are the highest kind of raw material employed in the production of renowned aperitifs.

The products of the superior vine-plants (called "noble") are employed in the preparation of the excellent Natural Sweet and generous wines which enjoy the controlled appellation of origin « Cotes d'Agly". As aperitif or as dessert types they constitute the last note in the scale "which enables an accession to the sublime".



BOURGUEIL.—A generous, 9°5 red wine, full of vigour, sometimes sharpened with a slight acidity, of a beautiful vermilion colour, possessing a fruity flavour and a bouquet which distinctly suggests the raspberry. (Yield 352 gallons to the acre.)
The 9°5 rosé wine is both elegant and fruity.

BOURGUEIL. — Vin rouge, 9°5, généreux, nerveux, avivé parfois par une pointe d'acidité, belle robe vermeille, saveur fruitée et bouquet très net de framboise. **(Rend. 40 hl à l'ha.)**
Le vin rosé, 9°5, est élégant et fruité.

BOURGUEIL

Apparently as a slight variant upon the Biblical text, Abbot Baudry in the XIth century said of the wine grown in the Bourgueil vineyards: "this wine maketh glad sad hearts". At other and diverse periods in history, many eulogies were bestown upon it by those who knew how to drink and to appreciate really good crus.

The reds and rosés, more *enveloppés* than those of Chinon, are *vifs*, or more impressive to the gustatory nerves, and are extremely pleasant, whilst they carry a very pronounced raspberry perfume.

Mr. Adrien Ory, who is a viticulturist passionately loyal to his native countryside (and what vigneron is not?) has described the soil in this way:

"The totality of this vineyard which extends for 50 acres in length is spread on a kind of terrace of ancient alluvial deposits, constituted by an embankment of sand and coarse gravel, which becomes more and more stony as one nears the valley known as the 'Gravel-pit-district'.

"More to the north, on nearing the hillside, the stony gravels give place to slatey sands and whilst the table-land with its clay and flints (which rises from 360 to 375 feet in altitude covered with an impenetrable siliceous crust) carries nothing but woods and barren heath, the gentle slopes of the mamillated crests are embellished with vine-plantations well exposed to the south. This is the region of the 'tufts' or 'tufas' upon the chalk 'tuffeau' of the hill's" sub-soil".

Bourgueil was once upon a time situated in the country of Anjou, and the native Angevins have not yet consoled themselves for the loss which has been Touraine's gain. If ever those two provinces or counties start fighting each other, we shall at least know the reason.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

VOUVRAY *(End)*

VERNOU-SUR-BRENNE

BOUGUEREAU (A.)
BERGEOT (R.)
BIGOT-FAGEOT
CHEVREAU (Arsène)
CHEVREAU (Amédée)
CHAVENEAU (Camille)
COUDELOU-DOJCET.
DROUAULT
FERTE (Denis).
GAUCHER (Armand)
GRANGER (E.)
GNOLIN-BROSSET
LEBRUN (André)
PINON (Camille)
RICHARD. — Clos des Hardouinières
ROCHER (Jules)
VIAU-CHEVROLIER
TERMEAU-BOUISSON
TUREAU
BERTRAND (Veuve).
FRAILLON
BORDAS-LARRIBE. — Clos La Mesnerie
JACOPIN

PARCAY-MESLAY

(Partie de la commune)

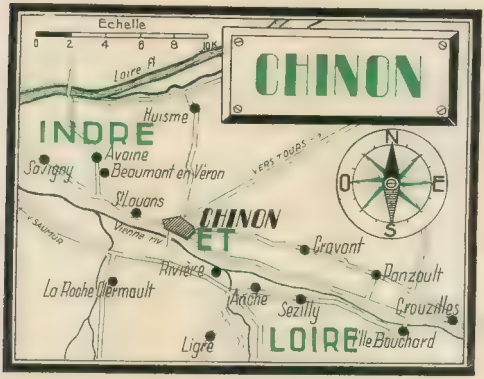
ALLETTE FIOU
COSNIER (Paul)
DENIAU (Paul)
GAUTIER-POLGET
GILET-DESCHAMPS (Veuve)
GAUTIER-REVERDY.
MARTIN (Germain)
PINON (Silvain)
REVERDY (Victor)

REUGNY

BEAUMET
COMBE (A.).
CHESNEAU (G.)
GAUDINNEAU
POURREAU (E.).
LECOMTE (Charles)
TESSIER (E.).

SAINTE-RADEGONDE

LE BORNE
DORET
FLEURY (P.). — Vouvray Mon[illegible]
FULANNE.
GAUTIER. — Clos des Manchères
GRAFFIN. — Clos de l'Archer[illegible]
POISSARD
ROUSSEAU (A.). — Clos des Moines

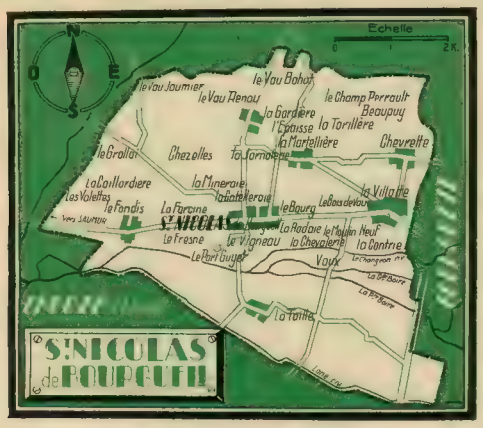


CHINON —9'5 red, rose and white wines, more supple and more tender than those of BOURGUEIL. They carry the bouquet of the violet. (Yield 352 gallons to the acre.)

CHINON. — Vins rouge, rosé et blanc, 9°5, plus souples, plus tendres que ceux de BOURGUEIL. Bouquet de violette. (Rend. 40 hl à l'ha.)

CHINON
CLOS
DE
CÉMENT
TOURAINE
DE GRAEVE

Grand Vin
de
Chinon
Coteaux de Sonnay
L. ANGELLIAUMÉ & Fils
Propriétaires à CRAVANT (I.-et-L.)



SAINT-NICOLAS DE BOURGUEIL.—Both red and rosés carry 9°5. They are neighbours and assimilate to those of BOURGUEIL but have less sharply defined characteristics. (Yield 308 gallons to the acre.)

SAINT-NICOLAS DE BOURGUEIL. — Vins rouges, 9°5, et rosés, 9°5, voisins de ceux de BOURGUEIL avec des caractères moins accentués. (Rend. 35 hl à l'ha.)

ST-NICOLAS-DE-BOURGUEIL

Rabelais passed through Bourgueil as through all Touraine, and it has guarded with fervour the souvenir of the immortal *bonvivant*, whose father rented a small farm nearby.

If Bourgeuil be king, then Saint-Nicolas is his chancellor possessing the right and privilege of marching in the same rank as his sovereign.

Weighing anything from 9 to 12 degrees, the alcoholic percentage of these wines cannot be said to be excessive. But more than their strength, it is their delicacy, their fruitiness, their general pleasantness which specially characterises this grape-juice with its raspberry aroma. They are charming and delectable; worthy of the appreciation of the finest epicures.

Within the periphery of Bourgeuil, the parish of Saint-Nicolas has the right to a special appellation, so long as its soil gives toits "Breton" cepage, the maximum of the qualities required. They can be differentiated according to the geographical situation of the vineyards, but all those recognised worthy of the appellation, fully deserve the distinction of which they are the object.

The vignerons here, long ago recognised that an unfailing fidelity to their splendid cepage and an unremitting care in the vinification of their musts constituted the finest and most certain guarantee of the maintenance of an enduring wine-renown.

Thus it comes about that Saint-Nicolas-de-Bourgueil, a small community contiguous to that of Bourgueil, Chouzé-sur-Loire, La Breille and Brain-sur-Allonnes (these two last-named being in the Maine-et-Loire county) is known in the world like a great city.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

SAINT-NICOLAS-DE-BOURGUEIL

AMIRAULT (Jules).
AMIRAULT-GIRARD
AMIRAULT (Camille).
AMIRAULT (Claude).
AMIRAULT (Max). — Clos des Quarterons.
AMIRAULT (Veuve Narcisse).
AMIRAULT (Robert).
BAUDOIN-CHRETIEN.
BAUDRY (Vve Stanislas).
BAUDRY (Clément)
BAUFILS (Henri).
BAUFILS (Emile).
BEAUFILS-MABILLEAU. — Le Port-Gert
BENESTON-MORISSEAU
BENON (Georges).
BENON (Vve Xavier).
BENON-BRISSONNEAU
BUREAU-BAUFILS.
BUREAU (Robert).
BUREAU-LASNIER. — Le Fonds.
BARBEREAU-ORY (P.). — Clos de l'Epaisse, des Chignardais.
BRETON-MABILEAU.
BOIREAU-GODEFROY.
BRUNEAU (Veuve Narcisse)
COUINEAU (Veuve René).
DAVID-CHAUMET.
DAVID (Albert)
DRUSSE (Louis).
DELANOUE (Veuve Gaston).
DUESPIN-BROSSIER.
GODEFROY-RIDE.
GODEFROY (Anatole)
GODEFROY-ROLLAND (Vve)
GODEFROY (James). — Clos de l'Epaisse, Clos Lorioux.
GOISNARD-JAMET
GASNE-DESBOIS
GUERTIN-BUREAU.
HERSARD (Martial).
JAMET (Gaston). — Clos du Vigneau.
JOULIN-PLOQUIN.
LEVESQUE (Alexandre).
LEROY (Charles).
MORIN (Octave). — Le Port.
MORIN (Veuve Marce).
MORISSEAU (Auguste)
MABILEAU (Isaie).
MABILEAU-BOIREAU
MABILEAU (Georges)
MORIN-ROUER.
MABILEAU-LAMBERT. — La Jarnotere
MABILEAU-ROUSSEAU (Vve).
MABILEAU (Gaetan).
MABILEAU (Edouard)
MABILEAU (Victor).
MABILEAU (Rémi).
MABILEAU (Arthur)
MABILEAU-GALLE.
MOREAU (Oc.). — Clos de la Torillère
NEVEU-MOREAU. — Le Vigneau
ORY-JUTEAU.
PICHERIT (Théophile). — Clos des Sables et La Rambaudière.
ROULET-JUTEAU.
TAUBIN (J.).
THULEAU-GAZEAU.
VIAU (Louis).

GRANDS VINS FINS DE BOURGUEIL

CAVE COOPÉRATIVE

de RESTIGNÉ (Indre-et-Loire)

VINS ROUGES ET VINS ROSÉS
SUPER APPELLATION CONTROLÉE

TÉLÉPHONE N° 1
GARE : LA CHAPELLE-SUR-LOIRE

A little red wine is made, as are too the amusing rosé wines which are oleaginous and fruity whose production has a tendency to grow. For the reds, the preferred cepages are the Cot the Breton, and the Gamay. For the rosés, the Gamay, and the Chenin Noir, whose rusticity and fertility is causing it to be adopted by many vignerons, because when reared at a long instead of a short *taille*, it gives a good table-wine to go with their grand crus.

The grapes are picked rather late in Anjou, at the earliest at the end of October when a great part of the grapes are over-ripe; but not too much so. At Saumur there are two grape harvests because for the first crus only the very ripest of the grapes are used.

Formerly, the fine wines of Anjou were known as "the wines of the sea" because they were the products to be exported, whilst the common or ordinary wines were called "wines of Paris" since they were used by the Wine Trade in the French capital for blending purposes.

The export trade in the Anjou wines goes back to distant times, certainly to the Middle Ages when the Plantagenets, masters of the country, made them known and liked in England. Later on, the Dutch became the great consumers of these nectars for which they came in search by passing from Nantes in Brittany all along the Loire river to Ponts-de-Cé, where the "embargo" of the ship-masters was established in an old pavilion with a stone dome.

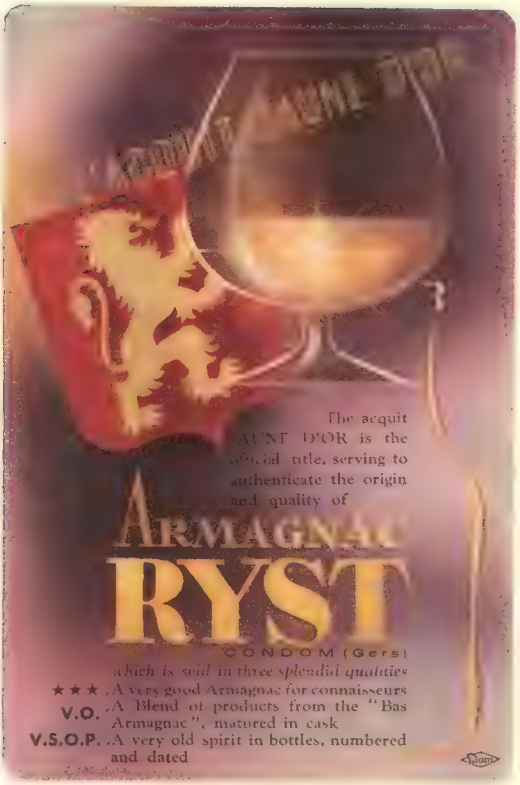
Armagnac Bouchet

From father to son since the year 1877 we have furnished the highest class of Armagnacs, obtained by the distillation of the wines coming from the best and selected vine-plants of the Armagnac region. These Armagnacs are allowed to age in casks made of the local oak. Certain of the spirits date back to the time of our foundation. They are bottled on the premises and under our strict supervision.

BOUCHET-MOTHE
at VIC-FEZENSAC (Gers), FRANCE
Proprietors of the Domaine de Ribadieu
of the Clos de la Téoulère and of the Prince Henri.

6 c.e

GRAND ARMAGNAC
MARCEL TREPOUT
RESERVE
1925
Château Nôtre Dame
Vic-Fezensac
Armagnac
Grand Cru
MARCEL TREPOUT
VIC-FEZENSAC (GERS)


The acquit
AUNT D'OR is the
official title, serving to
authenticate the origin
and quality of
ARMAGNAC
RYST
CONDOM (Gers)
which is sold in three splendid qualities
★★★ A very good Armagnac for connaisseurs
V.O. A Blend of products from the "Bas Armagnac", matured in cask
V.S.O.P. A very old spirit in bottles, numbered and dated

NORD
NÉRAC
Lisse
Anduran
Frechou
Lasserre
Francescas
Meylen
Pleaup
Pleau
Pujo
Sos
Poudenas
Mezin
Lannes
Moncrabeau
Villeneuve de Mezin
Gazaupouy
Lalores
Fources
Larroque s-Lasse
CONDOM
La Romieu
Castelnau d'Auzan
Larrazingle
Blazert
Beaumont du Gers
Lauraet
Benaut
St Orens
Poujaudine
Lagraulet du Gers
Cassaigne
Mauchan
Maupaut
Cazeneuve
Gondrin
Valence
St Puy
Monlezun
Pompiac
Beaucaire
Lagardere
Auguehnt
Larroque St Sernin
Bastian Baradles
Razac
Castera Verduzan
Vic-Fezensac
Maumbat de Vic
Bazas
Castillon
Prenoron
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BANDOL

Syndicat de Défense des Vins de Bandol

[illegible] CO-OPERATIVE SOCIETY,

Local [illegible] Branch : Syndicat pour la Protection of Bandol wine

[illegible] L'ERMITAGE, LE CASTELLET.

promoted to a Controlled Origin Appellation instead of the former appellation.

This was a revelation to the tourist who, until then, [illegible] Mediterranean seaside [illegible]

But the wines entitled [illegible] appellation are not only [illegible] Bandol parish [illegible] harbour, with a great shipping in the days of yore, collected good export wi[illegible] name of Bandol, just as Bor[illegible] the Gironde wines in [illegible] were competing with the Porto wines at the [illegible] of the XIXth centuries. Sometimes [illegible] last, to be improved by a sea voya[illegible]

[illegible] roduced in four main parishes : Bandol, La Cadière-d'A[illegible] -sur-Mer (formerly Saint-Nazaire). They [illegible] fou[illegible] her parishes : [illegible] Beausset, Saint-Cyr-sur-Mer, Ollioules and Evenos. The[illegible] grow on the rough slopes and terraces that roll down from [illegible] the sea. They are [illegible] of the Sainte-Beaur[illegible] [illegible]higine, is silico-chalky.

Bandol wines, e[illegible] enactment of control has prescribed an increased proportio[illegible]

[illegible] grape white wines in Bandol [illegible] those prod[illegible] [illegible] They [illegible] suited to b[illegible]

[illegible] appreciated in Bandol [illegible] ought after.

[illegible] have plenty [illegible] flavour [illegible] neighbour

[illegible] aromatic plan[illegible]

highly productive vineyards of the alluvion plain and the slender c[illegible] entitled to the Bandol appellation. In order to get acquainted with th[illegible] l vineyard-slopes, the tourist [illegible] take the low-ly[illegible] [illegible]e the Grand-Vallat to[illegible]

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

LIST OF THE BOARD AND EXECUTIVE COUNCIL OF THE BANDOL WINE DEFENCE SYNDICATE

President:
L. PEYRAUD, Le Plan-du-Castellet.
VICE PRÉSIDENT
ESTIENNE (Edouard) Sainte-Anne d'Evenos.
General Secretary:
[illegible] (Victor), La Grande Ferrage Le Castellet
Secretary:
PORTALIS (Mlle A. de), Château Pradeaux, Saint-Cyr sur-Mer.
Treasurer
DECULTOT (Bernard), La Rouvière, Le Castellet.
Assistant-Treasurer:
PAILLET, La Cadière d'Azur.

MEMBERS OF EXECUTIVE COUNCIL

SAINT-CYR-SUR-MER
PELLEPORT Marius, Le Domaine Notre-Dame-de-Port-d'Alon.
PORTALIS (Comte), Château Pradeaux.
MARGUERY, Domaine de la Ferlande.
VENTRE (Hippolyte).

LA CADIERE-D'AZUR
ARNAUD (M.), Le Pey-Neuf.
BALINCOURT.
GENSOLLEN (Arthur) Président de la Commission coopérative.
ALLEMAND (Emile), Le Plan-du-Castellet.
COOPERATIVE AGRICOLE de la Cadière
TERRAS F., Clos le Coin à Gaires
FERREC, Fontanieu.

LE CASTELLET
TEMPIER (A.),
THOMAS (Albert), Domaine du Brulat
DALMAS (Marcel), Le Brulat.
OLLIVIER (Jules), Le Brulat.
ESCOFFIER (Marius), Sainte-Anne-du-Castellet
IMBERT (Veuve L.), Le Réal-Martin
FOUQUE (Docteur).

LE BRULAT-DU-CASTELLET
MAURE Daniel, Domaine de la Tourtelle
LE BEAUSSET
PLAUCHU (Veuve E.), Domaine La Marrette
SANTONNI (Charles).
BOURRILLON (Auguste)

OLLIOULES
DURBEC, Mas d'Ollioules
POUTIER (Mme), Château de la Tourelle
ERMBACH du Mas de (Mme), La Tourelle
DUTHEIL DE LA ROCHERE (Vicomte), Château Saint-Mandrin.

SANARY-SUR-MER
ROETH, SBERGER (André) Château Mont
EMERIC.
PELLEGRI, Quartier Pierredon
FENOUILLET, Coteau Bandol
COOPERATIVE DE SANARY (Société [illegible]) President

DISTILLERIE & CONCENTRATION
DU MINERVOIS

AUGUSTIN VIDAL

distillateur

AZILLE

(AUDE)

Eau-de-Vie du Languedoc
" GÉRARD "
Vieux Marc du Languedoc

Toutes nos Eaux-de-Vie et Marc sont garantis le produit naturel des Vins récoltés et distillés dans la région délimitée par décret de chacune de ces appellations.

EAUX DE VIE • FINE DE THAU • FINE LANGUEDOC

-VERY OLD THAU BRANDY-

*

ÉTABLISSEMENTS ALAIN LABROUSSE

MARSEILLAN (HÉRAULT) * TÉLÉPHONE 54

BLAYAC

EAU-DE-VIE VIEILLE DE BÉZIERS GARANTIE PURE

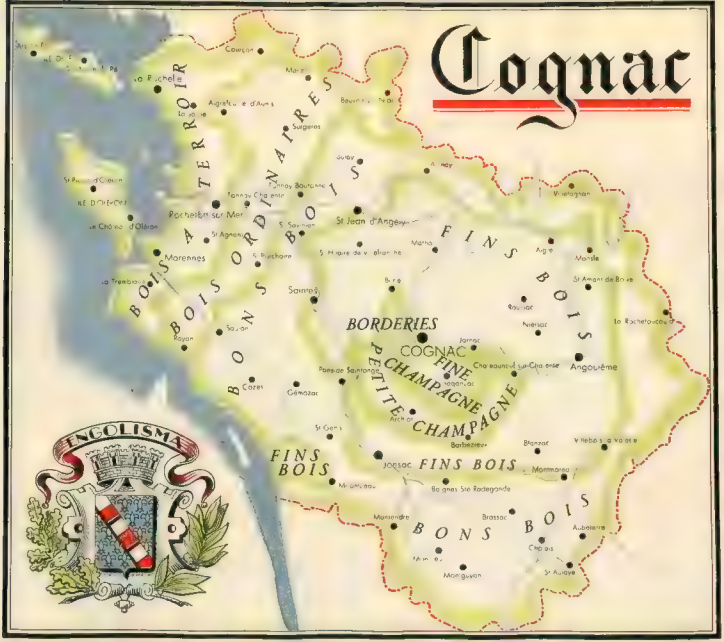
VERY OLD BRANDY

Trencavel

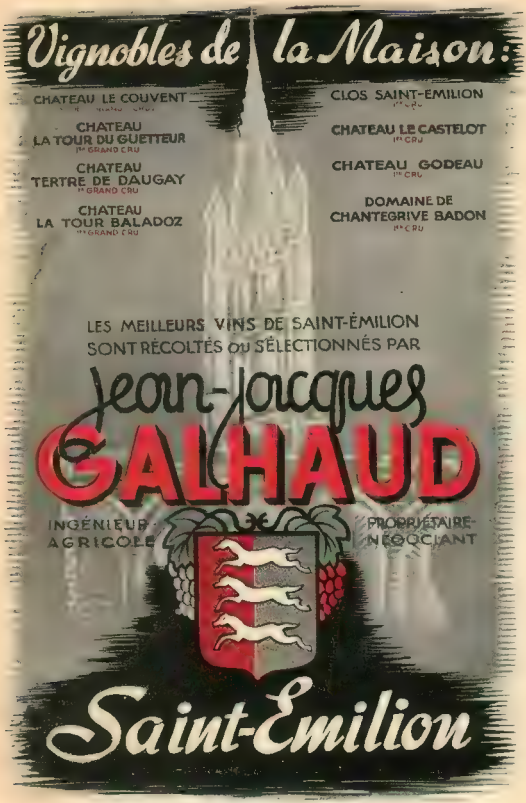
BEZIERS (FRANCE)

HENRY DUPIN
VERY OLD BRANDY
DUPIN
PÉZENAS
HENRY DUPIN
PÉZENAS
OF MOLIÈRE
PÉZENAS

Bisquit Dubouché & Cie

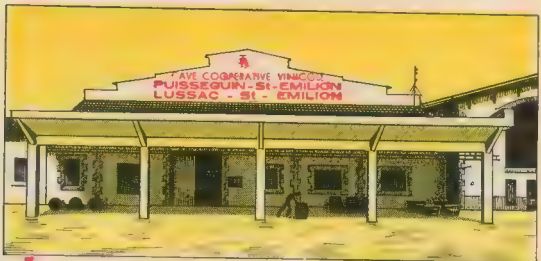

Cognac
BORDERIES
COGNAC
FINE CHAMPAGNE
PETITE CHAMPAGNE
BONS BOIS
BOIS ORDINAIRES
TERROIR
FINS BOIS
ENGOLISMA
La Rochelle
Marennes
Saintes
Jonzac
Barbezieux
Angoulême
Cognac

COGNAC
CHATEAU PAULET
J. MAURICE LACROUX
JARNAC OWNER COGNAC


Vignobles de la Maison :
CHATEAU LE COUVENT
CHATEAU LA TOUR DU GUETTEUR
1er GRAND CRU
CHATEAU TERTRE DE DAUGAY
1er GRAND CRU
CHATEAU LA TOUR BALADOZ
1er GRAND CRU
CLOS SAINT-EMILION
1er CRU
CHATEAU LE CASTELOT
1er CRU
CHATEAU GODEAU
1er CRU
DOMAINE DE CHANTEGRIVE BADON
1er CRU
LES MEILLEURS VINS DE SAINT-ÉMILION
SONT RÉCOLTÉS ou SÉLECTIONNÉS PAR
Jean-Jacques
GALHAUD
INGÉNIEUR AGRICOLE
PROPRIÉTAIRE-NÉGOCIANT
Saint-Emilion

MARCEL HOURTEILLAN & Cie

MÉZIN EN ARMAGNAC (LOT-&-GARONNE)



CAVE COOPÉRATIVE VINICOLE
PUISSEGUIN - SAINT - ÉMILION
LUSSAC - SAINT - ÉMILION
330.000 GALLONS OF NOBLE APPELLATIONS

Château Roc de Puisseguin
Château Roc de Lussac

The Cave obtains its products from the bright hillsides which extend in the north-east along the so picturesque district of Saint-Emilion. It is the same soil as that to be found around and about the marvellous city: clay-chalk or siliceous beds resting at times on the rock and in other cases on pure clay. There are the same precious cepages also: the Merlot which gives the wine its body and its colour; the Cabernet which brings to it its delicacy and bouquet; and the Pressac to which it owes its soft creaminess and mellowness. The harmonious mixture which is made of it at the Cave where it is vinified with the most scrupulous care, results in a beautifully-coloured, full-bodied, warm, generous beverage, which as it ages, acquires a great finesse and a most delicate aroma.

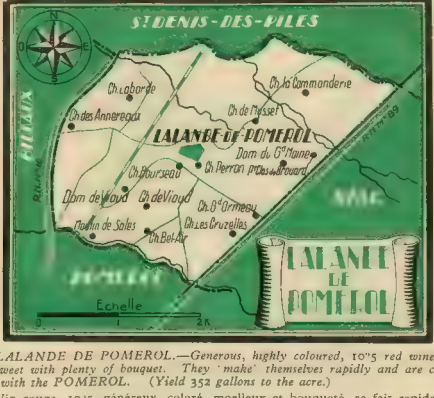
This wine—which is a splendid example of the fine Hillside wines—is the epicure's delight. It coincides with and participates in the glory of the noble "Saint-Emilion" family, whose name it has always borne.

All enquiries should be addressed to:
THE CO-OPERATIVE CAVE
PUISSEGUIN, Gironde
France.

CHATEAU
St GEORGES MACQUIN
St GEORGES - St EMILION

Property of the Macquin Inheritors, the Chateau St. GEORGES MACQUIN has always carried "boldly aloft" the colours of the little parish of St. Georges.

Its generous wines, rich in bouquet, have all the characteristics of the St. Emilion Côte. For a long time they have been sold under the appellation of the "Second Cru of St. Emilion".



LALANDE DE POMEROL.—Generous, highly coloured, 10°5 red wines, soft and sweet with plenty of bouquet. They 'make' themselves rapidly and are comparable with the POMEROL. (Yield 352 gallons to the acre.)

Vin rouge, 10°5, généreux, coloré, moelleux et bouqueté, se fait rapidement, comparable au POMEROL. (Rend. 40 hl à l'ha.)

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

LALANDE DE POMEROL

Chateaux and estate classification

CHATEAU DES ANNEREAUX. — Ponsot.
CHATEAU DE BEL-AIR. — Beauchaine (Vicomte A. de).
CHATEAU BOURSEAU. — Passemard (Mme Vve)
CHATEAU CANTELOUVE — Viaud.
CHATEAU GRAND-ORMEAU. — Campian
CHATEAU LABORDE. — Trocard
CHATEAU DE LA COMMANDERIE. — Corre
CHATEAU LARCHEVÊQUE. — Viaud.
CHATEAU LA PLACETTE. — Surt.
CHATEAU LA TOUR-BEAU-SITE. — Vergne
CHATEAU LES CRUZELLES. — Monnet (Mlle)
CHATEAU DE MUSSET. — Salive (R.).
CHATEAU PANET. — Teulet
CHATEAU PERRON. — Saintongey (L.).
CHATEAU REY. — Soulas.
CHATEAU RICHELIEU. — Viaud.
CHATEAU DE VIAUD. — Delost.
CHATEAU DE VIAUD — Mallet (P.)
PETIT-CLOS-DE-BROUARD. : Jussiaume.
DOMAINE DU GRAND-MOINE. — Casanov
DOMAINE DE VIAUD — Robin (A.)

Classification by owners' names

BEAUCHAINE (de). — Château de Bel-Air.
BEDRENNE. — Au Bourg
BOIDRON (A.). — A Marchesseau
BOULIN (E.). — A Labade.
BUISSON (H.). — Au Pont-de-Guitres
CAMPLAN. — Château Grand-Ormeau.
CASANOVE. — Domaine du Grand-Moine
CORRE — Château de la Commanderie.
COURTY (J.). — Au Bourg.
DARNAJOU (J.). — A Musset
DELOST. — Château de Viaud
FURT (A.). — Au Bourg
GOIZET (Mlle). — Moulin-de-Salès.
JUSSIAUME. — Petit-Clos-de-Brouard
JUÇON (A.). — A Marchesseau
MALLET (P.). — Château de Viaud.
MARTIN (G.). — Au Bourg
MARTIN (M.). — A Musset.
MALLET. — Au Bourg.
MARTINON. — A Laborde
MELLON (J.). — A Laborde
MONNET (Mlle). — Château Les Cruzelles
PASSEMARD (Veuve). — Château Bourseau.
PETIT (G.). — Au Bourg
PONSOT. — Château des Annereaux
ROBIN (A.). — Domaine de Viaud
ROBIN (G.). — A Goujon
ROCHER (P.). — A Laborde.
ROUMEAU (G.). — Au Pont-de-Guitres
SAINTONGA (G.) — Aux Sablats.
SALIVE (R.). — Château de Musset.
SAINTONGEY (L.). — Château Perron
SEIZE (L.). — A Musset
TROCARD — Château Laborde
SOULAS. — Château Rey.
SURT. — Château La Placette
TEULET (Mlle). — Château Panet
VERGNE — Château La Tour-Beau-Site
VIAUD. — Château Larchevêque, Château Cantelouve Château Richelieu.

Château Jeandeman

1res Côtes Fronsac

J. Roy

Propriétaire

The Chateau Jeandeman occupies an exceptionally favourable position in the Fronsadais. As a matter of fact it is the highest of this district with its 246 feet altitude, forming a continuation of the so-renowned Canon Hillsides.

The vineyard extends over clay and lime soils and is planted with the best cepages. For the last 25 years there has been added the "Vieux-Bouchet de St. Emilion" which always gives an extremely delicate bouquet to these wines already remarkable by their body and their richness in alcohol and tannin, and whose suppleness and entirely characteristic distinction have helped to make the cru of the First Cotes of Fronsac, the most eagerly sought for in the Bordelais wine industry.

Mise en bouteilles au château

GRAVES.—Powerful 10° red wines, robust, complete, and very fine, or in other words having a perfect balance. Less complex than the MEDOC but with more body and with a more distinct and pronounced flavour of the grapes. Wines which will keep long. The First Growth is the CHATEAU HAUT BRION with a world-wide renown. (Yield 352 gallons to acre.)

SUPERIOR GRAVES.—Fine exquisitely balanced 10° white wines, potent, possessing plenty of bouquet, ripe, warm and sun-kissed. Vary between dry and half-dry. The appellation "GRAVES SUPERIEURES" applies to the white wines which exceed 12°. (Yield 352 gallons to the acre.)

GRAVES. — Vins rouges, 10°, puissants, robustes, complets et très fins. Moins complexes que les MEDOC, mais plus corsés avec une saveur plus nette, plus franche. Sont de très longue garde. Le 1er cru est le CHATEAU HAUT BRION, à la renommée mondiale. (Rend. 40 hl à l'ha.)

GRAVES SUPÉRIEURES. — Vins blancs, 10°, sont fins, puissants et bouquetés, murs chauds et ensoleillés. Varient du sec au demi-sec. L'appellation « GRAVES SUPÉRIEURES » s'applique aux blancs qui dépassent 12°. (Rend. 40 hl à l'ha.)

CHATEAU
CARBONNIEUX

1st GREAT GRAVES CRU

LEOGNAN

Proprietors

SOCIÉTÉ DU CHATEAU CARBONNIEUX

Chateau Carbonnieux is one of the oldest in the Gironde department.

It was built about the year 1380 in Leognan, the capital of the Graves region and the cradle of the great wines of Bordeaux.

Formerly the estate belonged to the Hospices of Bordeaux, to Parliament Councillors, to the Abbey of Sainte-Croix, to the Bouchereau family, all of whom were eminent viticulturists They increased the productiveness of the estate and improved the qualities of its wines.

It belongs to-day to the Great Graves Civil Society.

For more than 550 years, this property, planted with the best vines, has enjoyed the rare privilege of producing at all times and with a perfect success, both white and red wines, of a superior quality which justifies their worldwide reputation.

Its white wines, dry, nervous, elegant, with plenty of race and distinction are considered as a dainty by real amateurs. They are exceptional wines, typical of all the Great Graves products.

The red wines, with plenty of sap, body and bouquet, enjoy equally a high reputation. They too, are of a great race and they develop, as they age, the best qualities of the greatest wines of Bordeaux. They are often akin to the most generous of them.

The qualities of both the white and the red wines are due to an incomparable soil, to the noblest and most judiciously chosen cepages and to the matchless care paid to the vinification.

They are consumed throughout the whole world.

THE DAMLUC estate comprises a vineyard with a superficial area of 88 acres planted with the fine cepages of the CABERNET, the MALBEC and the MERLOT for the red wines and the SEMILLON, the SAUVIGNON and the MUSCADELLE for the white wines.

Both the white and the red wines of the Chateau DAMLUC enjoy a well-merited reputation, since it is one of the oldest vineyards of the district and specially well-situated geographically on a hillside slope.

The most modern processes applied to its vinification bring into bold relief, the high qualities of this wine, which is comparable for its unique bouquet, with the very best Médoc wines. The Chateau DAMLUC products have always been in great demand in Belgium and Great Britain.

Distinguished among the finest Bordeaux crus at the Antwerp International Exhibition in 1930, it was awarded the Grand Diploma of Honourable Distinction.

Château de Terrefort

The Chateau of Terrefort is of extremely ancient origin. Under the great French Revolution it belonged to the unmarried lady-members of the Terrefort family. It passed, however, by marriage to Count Lafaurie de Monbadon, a peer of France, by whose enterprise and activity the construction of the famous Cubzac bridge was greatly facilitated. The vineyard spreads itself from the culminating point of the Cubzac-les-Ponts parish over the finest clay-lime soils for something like 100 acres.

For its red-wine products, it is exclusively planted with the Merlot, the Malbec and the Cabernet, most of them being very old vine-plants. The white grapes, fruit of the old vines of the fine cépages taken from the Sauternes country, are gathered in the same manner and under the same conditions, as in that district; that is to say after several successive selections where the noble pourriture has set in. The perfect geographical situation of this vineyard, the meticulous care expended over the picking of the grapes at the harvest, and the vinification carried out on the old and well established principles are responsible for the ever-growing reputation of the Terrefort wines, the red and white being equally esteemed. They had already been awarded gold medals at numerous exhibitions and at the Bordeaux Exhibition of 1907, because of their excellence, they were placed HORS CONCOURS, or beyond all competition, M. Quancard, the proprietor being made a member of the Jury

Frequently a vine plantation, surrounded by celebrated crus, or even situated in a district with an eminent appelation, finds in these facts an easy aid in increasing the value of its wine. The Terrefort wines disdainfully eschew all such adventitious aids; they impose upon themselves the supreme test of their own quality. It is with glass in hand that they are classified, and not infrequently above many a great wine with a world-wide reputation.

BORDEAUX.— 9°75 *red and* 10° *white wines with a regional appellation which applies to the delimited Gironde wines possessing an average quality.* (*Yield* 440 *gallons to the acre.*)

SUPERIOR BORDEAUX.—10°5 *red and* 11°5 *white wines with an appellation definitely above the preceding. Certain of these wines in ageing give really excellent and original bottles, possessing a totally unforeseen finesse* (*that is to say, an intense delicacy, perfume and vinous warmth*) *bouquet and quality.* (*Yield* 352 *gallons to the acre for the reds and* 308 *gallons to the acre for the white wines.*)

SPARKLING BORDEAUX.—*Excellent* mousseux *wines, fine and fullbodied. They weigh* 10° *before adding the liqueur prior to bottling and* 11° *before the addition of the liqueur for the purpose of sending them to market.* (*Yield* 440 *gallons to the acre.*)

BORDEAUX. — Vins rouges, 9°75 et blancs, 10°, appellation régionale qui s'applique aux vins de la Gironde délimitée dont la qualité reste moyenne. (Rend. 50 hl à l'ha.)

BORDEAUX SUPÉRIEURS. — Vins rouges, 10°5 et blancs, 11°5, appellation très nettement au-dessus de la précédente. Certains de ces vins donnent en vieillissant d'excellentes bouteilles originales avec finesse et bouquet, d'une qualité imprévue. (Rend. 40 hl à l'ha pour les rouges et 35 hl à l'ha pour les blancs.

BORDEAUX MOUSSEUX. — Excellent mousseux, fin et corsé. Avant l'addition de la liqueur de tirage : 10°. Avant l'addition de la liqueur d'expédition : 11°. (Rend. 50 hl à l'ha.)

CHATEAU NENIN

PREMIER CRU POMEROL

The Nenin vineyard consists of 63 acres of gravel and clay soil spread out upon a southerly slope admirably exposed to the rays of the sun, and planted with the very finest cepages. It produces an unctuously mellow, soft and silky wine replete with aroma and delicious fruitiness.

By the incessant improvements he has effected in the cultivation of the vine, and the minute and intelligent, care he has bestown upon the vinification, the present proprietor has made of Nenin one of the finest crus of this parish, causing it to enjoy alike in France and abroad, an ever-growing and well-merited reputation.

Maurice DESPUJOL

PROPRIETAIRE

CLOS DE L'ABBAYE
TRADE MARK
CAVES Theo ZESSEL
F. JAECKLE Succr
HUNAWIHR
(HAUT - RHIN)
1945
Riesling Zessel

ALSACE
GREAT WINE
GEWÜRZTRAMINER
FERNAND GRESSER ANDLAU-AU-VAL
ALSACE GREAT WINES
Moenchsberg
SYLVANER
MOENCHSBERG
Kastelberg
FERNAND GRESSER ANDLAU-AU-VAL (B-RHIN)
RIESLING
KASTELBERG
FERNAND GRESSER
ANDLAU-AU-VAL
BAS-RHIN

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JOINT-STOCK Cº LTD WITH A CAPITAL OF 5.000.000 FRANCS

ALGER

SELECTED WINES OF ALGERIA

Rouges *Rosés* *Blancs*

"ALVAR" "ZARDAH"

MARQUES DÉPOSÉES

MISTELLES - VINS DE LIQUEUR

APÉRITIFS

D'ALGÉRIE ET DE TUNISIE

ALVAR – QUALITÉ

CHATEAU DE VALMY

ARGELÈS-SUR-MER (Pyrénées-Orientales)

On the French slopes of the Catalan Pyrenees, between the tower-crowned mountain crests, which stand guard on the borders of France, the Chateau de Valmy raises the tracery of its crenellated roofs.

It is to the minister, Jules Pams who was the proprietor of the Chateau de Valmy, that one owes the laws controlling the Naturally Sweet Wines, and the protection of original vintages (Pams Law).

To the vine-growers who came to thank their representative, the minister replied "The oldest wines of the vineyards, the most famous French wines, served at Valmy, have been your best ambassadors."

VALMYA

Grand vin généreux du Château de Valmy,
stands as the example and prototype of the great wines of the Cote Vermeille.

Derived from noble vines and selected ripened crops, gathered with all the respect for ancient tradition, aged in special wood. Valmya takes its name only after three years of fermentation in its own cellars. Then only is Valmya bottled, and runs decreed worthy to be placed in the underground stocks of the Chateau de Valmy. There it gradually reaches its mature perfection.

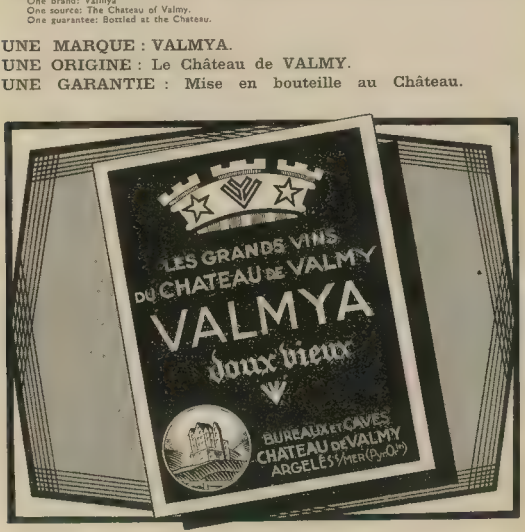
Served in coupes sparkling with purple and gold, Valmya, wine of the diplomats, reflects the ardent natural forces which gave it birth.

Mr. Victor Peix, present proprietor of the estate has developed and perfected the methods of production and enhanced the popularity of the brand always well-known to connoisseurs.

Outside competition at the great wine festivals has only served to prove the proud motto of the firm. "Les Valmya valent mieux." ("Valmya wines are best.")

One brand: Valmya
One source: The Chateau of Valmy.
One guarantee: Bottled at the Chateau.

UNE MARQUE : VALMYA.
UNE ORIGINE : Le Château de VALMY.
UNE GARANTIE : Mise en bouteille au Château.



APERITIF
SHIPPED AND BOTTLED
BY MONTAGNÉ PROPRIETOR VIGNOBLES
PONTEILLA ET PERPIGNAN (P.O.)
The mildness of the sunny Mediterranean climate
The fertility of the soil and the scientific selection of the vine-plants
A thousand years of experience in production and in vinification
these have made alike the quality and the reputation of the WINES OF NYLS (France)
GRAND ROUSSILLON APERITIF
GABRIEL MONTAGNÉ
Vineyard Owners and Wine Producers
DOMAINE
DE
LA DEVÈZE
PAUL MONTAGNÉ
PRODUCTEUR - EXPORTATEUR
NYLS - PONTEILLA (P.O.) FRANCE
VINS DU HAUT ROUSSILLON

BRUSINA BRANDLER

BRUSINA-BRANDLER *Saler in* PREIGNAC (Gironde)

ESTATES in { *CONDOM and* / *GOUDIN d'ARMAGNAC* } *(Gers)*

Armagnac
Domaine du Pison
GRANDE RÉSERVE
NOS ARMAGNACS SONT LE PRODUIT DE LA DISTILLATION DES VINS RÉCOLTÉS DANS LES MEILLEURS CRUS DE LA RÉGION
MAISON FONDÉE EN 1853
Vve Berger & Goudain
RÉGOCHAPTS
Condom
(GERS)
DE L'ARMAGNAC, FEU EN COEUR DE LA GASCOGNE, ILS SONT EXPORTÉS AVEC L'ACQUIT JAUNE D'OCTROI EN GARANTIT L'ORIGINE

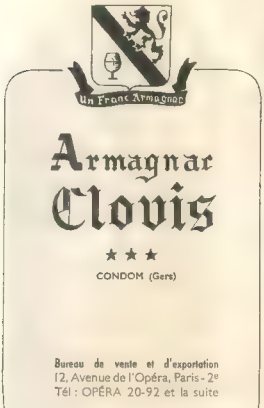
J. Gauvin

ARMAGNAC

CRUS SÉLECTIONNÉS

au couvent des templiers
Armagnac
grand cru
H. Houries
Chevalier de Malte
Armagnac
Grande Origine
Hector Houries
Vigneron
Ayguetinte (Gers)
ARMAGNAC
GRANDE ORIGINE
HOURIES
AYGUETINTE (GERS) FRANCE
HECTOR
HOURIES
PROPRIÉTAIRE VITICULTEUR
AYGUETINTE (GERS) FRANCE

Armagnac
du Ponchon
1er Grand Cru
AGENT GÉNL
P.H.MAYRINIAC
46 AVENUE NIEL
PARIS
CARNOT 53 18


Un Franc Armagnac
Armagnac
Clovis
★★★
CONDOM (Gers)
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12, Avenue de l'Opéra, Paris - 2e
Tél : OPÉRA 20-92 et la suite

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ARMAGNAC
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GONDRIN D'ARMAGNAC
(GERS)
BARON
DE
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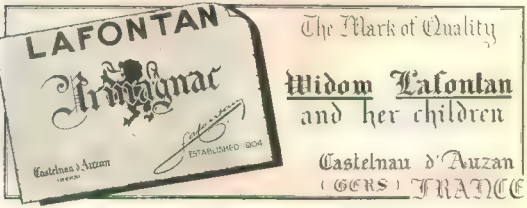
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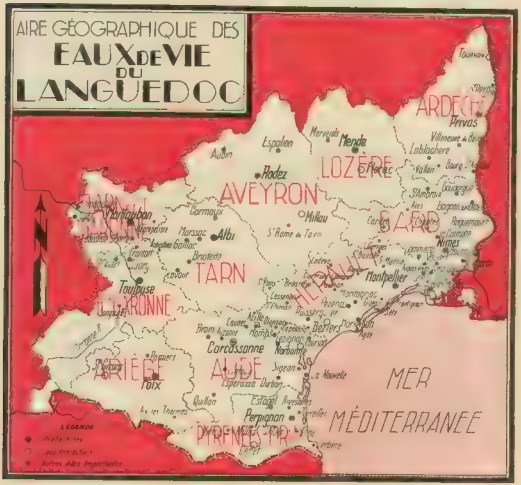
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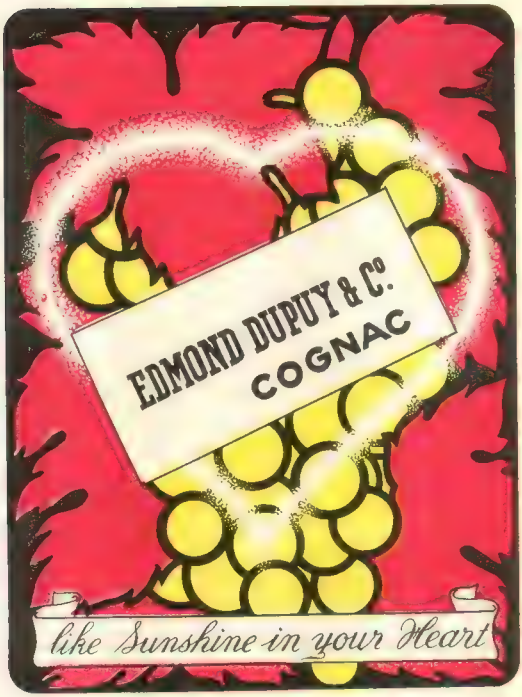
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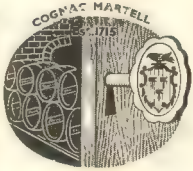

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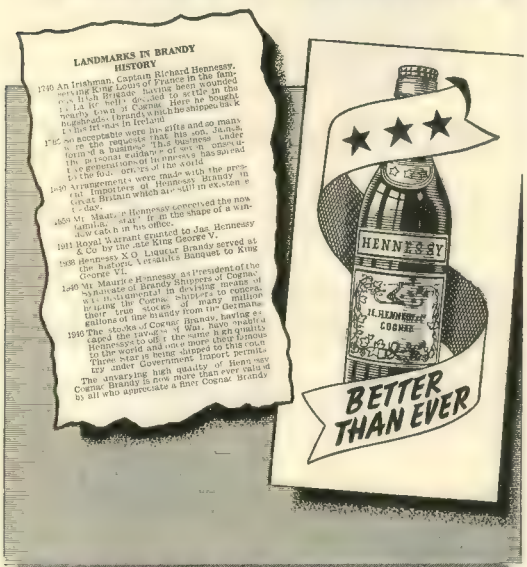

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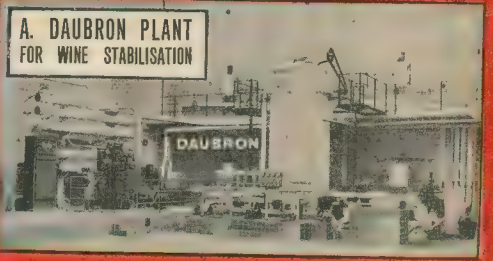

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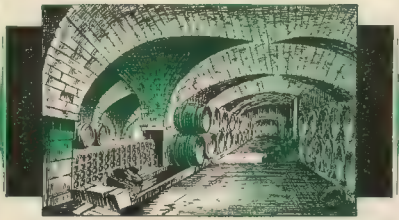

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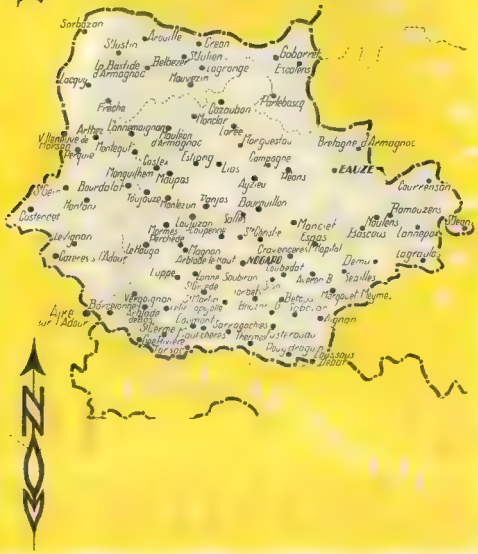
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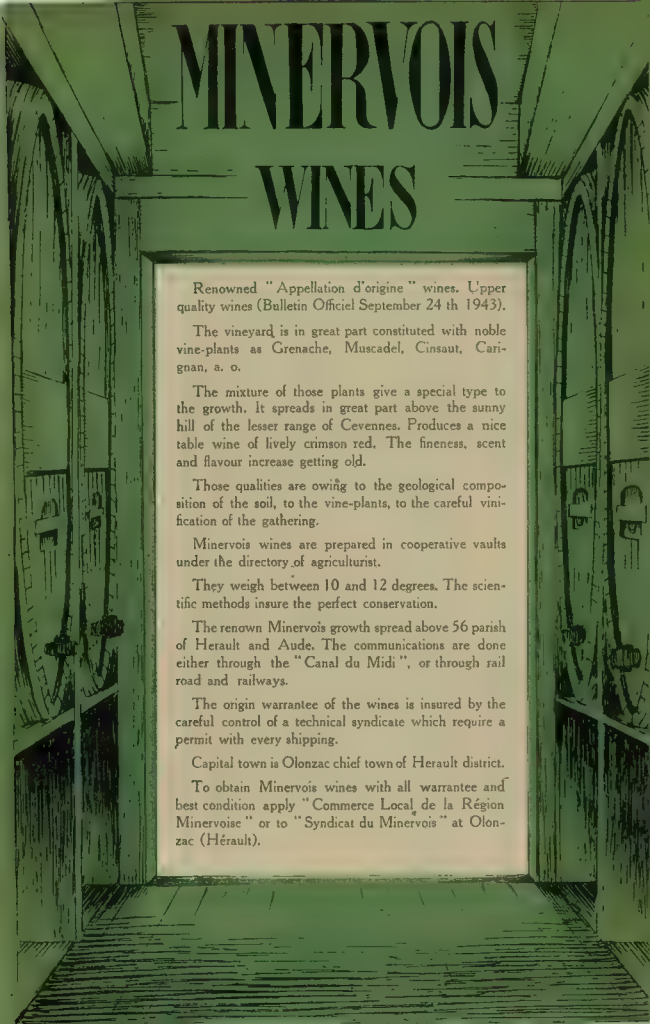

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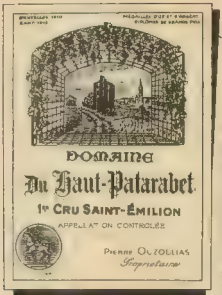

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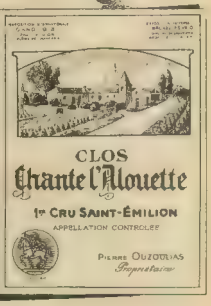

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Quincy

THE Quincy vineyard which is only about 550 acres in size, is linked up with no other vignoble and simply spreads over the parish of Quincy and a portion of the land belonging to the parish of Brinay. Actually it is situated on a tableland on the left bank of the river Cher, a not very definitely marked plateau and one which presents no characteristic or favourable geographical expositions for the vines. Thus it is the nature of the soil which has an influence upon the wines that it produces. As a matter of fact this tableland consists of a vast limestone or chalky deposit, covered with a layer of more or less gravelly sand which varies in thickness from 16 inches to 6 or 10 feet. Between the sand and the chalk there is a clay stratum of varying thickness.

These poor lands are quite unfit for other cultures but, on the other hand they are definitely propitious for the Sauvignon, which is the only cepage from which the Quincy wines are derived.

Thus one can say without fear of contradiction that the renowned white wines of Quincy owe all their virtues to the soil and the cepage.

The vineyard is a very old one. Already back in the fifteenth century vines covered at least a portion of the siliceous-claybearing lands upn which the present vineyard is planted.

The Sauvignon vine-plant was first brought to Quincy by the Benedictine monks of the Citeaux Order from the Beauvoir Abbey near to Quincy.

The Quincy wine possesses a quite positive bouquet, plenty of *finesse* and a special and extremely agreeable aroma.

All the Quincy wines are presented exclusively under the label reproduced on this page.

E. ROUX
Président of the Quincy
Viticultural Union Syndicate

SANCERRE

P. MARÉCHAL
PROPRIÉTAIRE
CHAVIGNOL
(Cher)

APPELLATION CONTROLÉE

CONCOURS DE PARIS 1936-1937
MÉDAILLES D'OR

BOURGES 1929

S.-AMAND 1936

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ARMAND BERNEAU
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SANCERRE
Sauvignon « Clos Paradis »

APPELLATION CONTROLÉE

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PROPR.-VITICULTEUR
SANCERRE (CHER)

Sauvignon
GRAND CRU
Médaille d'or
Médaille de Vermeil
Médaille d'Argent

SANCERRE
Appellation Contrôlée

René BAILLY
AMIGNY SANCERRE (Cher)

GRAND CRU
CLOS DE CHAVIGNOL

CONCOURS DE PARIS 1931 A 1939

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☆ **MONTCARET**

Appellations : MONTRAVEL, COTES MONTRAVEL
Président : M. Chillaud

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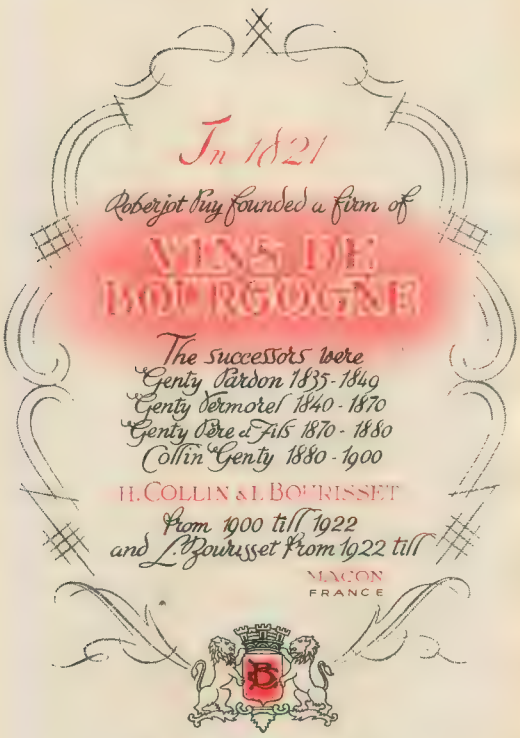

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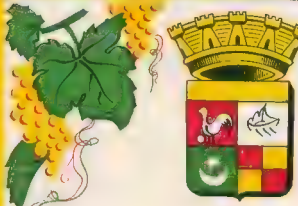

ÉTABLISSEMENTS

V. Galiana Fils & Cie

WINES AND SPIRITS

MISTELLES AND LIQUEUR WINES

FORT EXPORT

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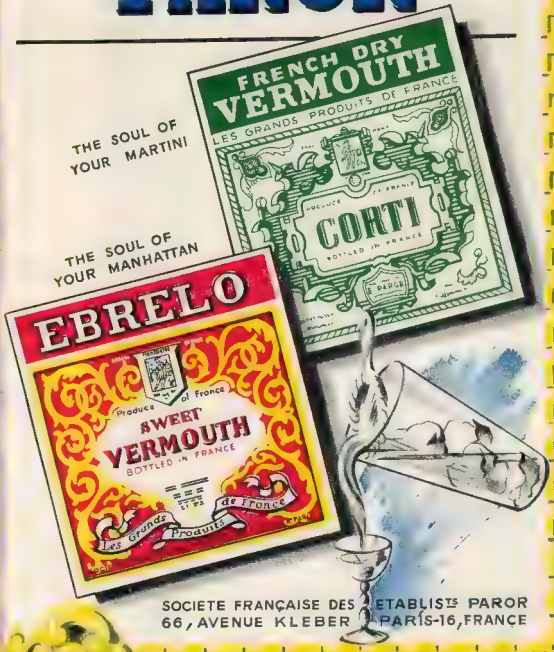
YOUR MANHATTAN



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Owner - Wine-Grower
EGUISHEIM
HAUT-RHIN

BERT & Cie

Propriétaires-Négociants

BARSAC (GIRONDE)

CHATEAU CAMPEROS
CHATEAU MAYNE-BERT
CHATEAU GUITERONDE-BERT
CHATEAU DE ROLLAND-BERT
CHATEAU MONTALIVET
CHATEAU DE VALMONT
ET DOMAINE DES PLANTES

(1) THE CHATEAU CAMPEROS, purchased some years ago by M. Louis Bert, produces white wines which are classified among the best in the Haut-Barsac district. The vineyard has been replanted with the finest white cepages. The Chateau Camperos wines have obtained several awards, especially a gold medal at the Antwerp Exhibition in 1894. They are recommended for their finesse and their mellowness.

THE CHATEAU MAYNE-BERT is an estate of 30 acres, divided in two parts situated at two points in the Barsac Parish and whose soils have different properties. (1) The Clos de Montalivet, near the town of Barsac, has a gravelly soil and produces a generous white wine. (2) The Clos Mayne-Bert, situated in the Haut-Barsac, on a layer of clay and limestone, near the Chateau Coutet, in one of the most ancient parts of the parish reputed for the finesse of its white wines. It is equally planted in three parts with Sémillon, Muscadelle and Sauvignon cepages and obtained medals at the Exhibitions of Antwerp, 1894, Bordeaux 1895, Paris 1900, Saint-Louis 1904, Liége 1905 and Bordeaux 1907.

THE CHATEAU GUITERONDE-BERT, situated in one of the most reputed parts of the Haut-Barsac district, was recently purchased by Mr. Georges Bert. Since the date of this acquisition, the wines produced on this estate have been labelled : Chateau Guiteronde-Bert. The vineyard is 30 acres in extent and a portion of it is being re-planted. The best cepages are employed and the wines produced are very highly esteemed and of an ancient reputation.

THE CHATEAU ROLLAND-BERT, at Barsac, commands a magnificent vineyard of about 50 acres.

The white vineyard situated on ancient alluvial clay and limestone beds is planted with the best cepages held in honour in the Sauternes country: the Sémillon, the Sauvignon and the Muscadelle. It produces very esteemed liquorous wines. The estate was recently purchased from the Froidefond inheritors by M. Pierre-Bert who is re-planting all the parts of the property where too old vines are to be found.

THE VALMONT-LES-PLANTES ESTATE, at Barsac, belongs to Mr. Georges Bert who has chosen it as a personal abode. It is situated in the Barsac Parish on two different points producing very good wines. The re-plantation of this estate is being achieved and the last growths when developed, promise very good bottles.

Château Roudier

1er Cru

Montagne St Emilion

R. CAPDEMOURLIN · BERTHON

Propriétaire

CHATEAU MONTAIGUILLON

MONTAGNE ST ÉMILION

APPELLATION CONTROLÉE

TRADE MARK

Charles Guébels, Propriétaire

MISE EN BOUTEILLES AU CHATEAU

F. JANOUEIX

PROPRIÉTAIRE

NÉGOCIANT

88 COURS TOURNY - LIBOURNE

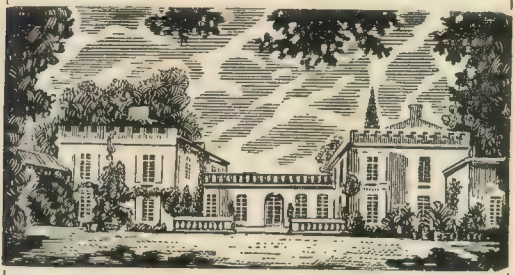
LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Chateaux and estate classification . **Classification by owners' names :**

SAINT-GEORGES-SAINT-ÉMILION

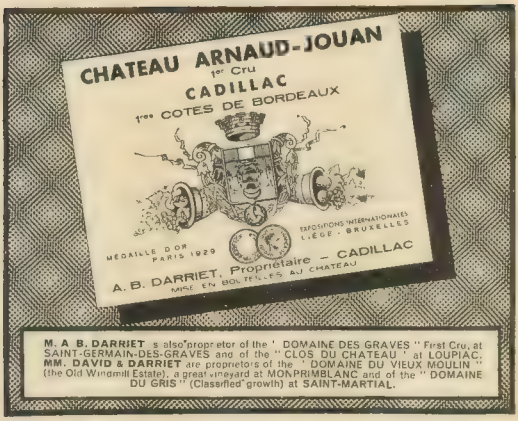
CHATEAU CALON-SAINT-GEORGES. — Naud (Ernest).
CHATEAU GALHIAT. — Leclerc.
CHATEAU GUILLOU. — Arnaiih (Pierre)
CHATEAU HAUT-GUILLOU. — Carre (Robert).
CHATEAU HAUT-SAINT-GEORGES. — Ferry.
CHATEAU HAUT-TROQUARD. — Callier.
CHATEAU DES RENARDÈRES. — Gaury (Willy).
CHATEAU ROC-DE-TROQUARD. — Camus.
CHATEAU SAINT-ANDRÉ-CORBIN. — Delgoulfre.
CHATEAU SAINT-GEORGES. — Desbois (Pétrus).
CHATEAU SAINT-GEORGES-MACQUIN. — Macquin (Héritiers).
CHATEAU SAINT-LOUIS. — Nicoulaud (Marc).
CHATEAU SAMION. — Meyohas-Deguilhem.
CHATEAU TOURTEAU. — Nicoulaud (Marc).
CHATEAU TROQUART. — Moulinet (R.).
CHATEAU VIEUX-GUILLON. — Guébel.
DOMAINE DE DIVON. — Béguin.
DOMAINE DE GUILLOU. — Menguy (Jean).
DOMAINE DE MAISONNEUVE. — Macquin (Héritiers).
CLOS DE L'ÉGLISE SAINT-GEORGES. — Cassadou.
ARRIAILH (Pierre). — Château Guillou.
BEGUIN. — Domaine de Divon.
CAILLER. — Château Haut-Troquard
CAMUS. — Château Roc-de-Troquard.
CARRE (Robert). — Château Haut-Guillou.
CASSADOU. — Clos de l'Eglise Saint-Geörges.
DELGOUFFRE. — Château Saint-André-Corbin.
DESBOIS (Pétrus). — Château Saint-Georges.
FERRY. — Château Haut-Saint-Georges.
GAURY (Willy). — Château des Renardères.
GUEBEL. — Château Vieux-Guillon.
LAVANDIER. — Haut-Montaiguillon.
LECLERC. — Château Galhiat.
MACQUIN (Héritiers). — Château Saint-Georges-Macquin, Domaine de Maisonneuve.
MENGUY (Jean). — Domaine de Guillou.
MEYOHAS DEGUILHEM. — Château Samion
MOULINET (R.). — Château Troquart.
MOUREAU. — Le Pas-Saint-Georges.
NAUD (Ernest). — Château Calon-Saint-Georges.
NICOULAUD (Marc). — Château Tourteau et Château Saint-Louis.

CHATEAU DE FERRAND



1st Cru SAINT-ÉMILION

Mmes VEYSSET AND FRAISSAINGEA, Proprietors



M. A. B. DARRIET is also proprietor of the " DOMAINE DES GRAVES " First Cru, at SAINT-GERMAIN-DES-GRAVES and of the " CLOS DU CHATEAU " at LOUPIAC. **MM. DAVID & DARRIET** are proprietors of the " DOMAINE DU VIEUX MOULIN " (the Old Windmill Estate), a great vineyard at MONPRIMBLANC and of the " **DOMAINE DU GRIS** " (Classified growth) at **SAINT-MARTIAL.**

situated on Cadillac hills, planted with semillon, sauvignon, it produces a first press wine fruity and liqueur-like, and a last press wine dry and stouty. The average production is about 125 casks.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

FLEURIE *(end)*

PAPILLOT (Jules). — Bourg.
PASQUIER (Mme). — Garants.
PASSOT (Maurice). — Bel-Air.
PEJU et MOIROUX (Ste). — Treille.
PERRACHON (Jean)
PERRIERE (Mme de La). — Déduits.
PHILIBERT (Antoine). — Vers-les-Vaux.
PICOLLET (Jean-Marie). — Vivier.
PILAUD (Claude). — Chaffangeons.
PLATET (Paul). — Bachelards.
POMMIER (Jean). — Poncier.
POULY (Jean). — Grand-Pré.
PRACROS (Antoine). — Bourg.
PUJOLAT (Mme). — Maisons-Neuves.
PUSLAT (Jean-Louis). — Garrants.
RAMAGE (Louis). — Labourons.
RAMPON (André). — Arcins.
RAOUSSET-SOUMABRE (Comte de). — De Chirouble. — (See Juhénas.)
RATHEAUX (Marius). — Vers-les-Vaux.
RATIGNIER. — Marrans.
RAVENAUD-LACROZE. — Ch.-de-Guinchay.
RESILLOT (Mme). — Vivier.
RODARY (Joseph). — Chapelle.
RODARY (Mme). — Chapelle.
ROLLET (Marcel). — Brie.
ROLLIN (Mme). — Saint-Symphorien.
RUET (Louis). — Labourons.
RUET (Marius). — Chapelle.
RUET (Joseph). — Sarrillon.
RUET (Louis). — Bourg.
SABY (Louis). — Serve-des-Places.
SAMBIN (Juannès). — Romanèche.
SAVIN (Louis). — Vivier.
SERVIGNAT (Claude). — Vivier.
CHATEAU DES JACQUES, à Romanèche-Thorins. — (See Gevrey, Vougeot, Beaujolais, Moulin à Vent.)
SOCIETE PEJU ET MOIROUX.
SORET (Pierre). — Chapelle.
TAQUET (Louis). — Vivier.
THEVENET (Benoît). — Poncié.
THEVENET (Albert). — Bourg.
THEVENET (Gerard). — Chaffangeons.
THIBAUD ARNAUD (Mme). — Rontaichets.
THOMAS (Jean-Louis). — Perdix.
THOMAS (Marius). — Bourg.
THORIN (Les Enfants de). — Bourg.
TOURRASSOUX (Louis). — Bourg.
TOURRASSOUX (Mme). — Serve-des-Places.
TRIBOLET (Mme). — Adèle.
TRIBOLET (Louis). — Bourg.
VALAND (Mme). — Quatre-Vents.
VATOUX (Andre). — Bourg.
VERMOREL (Benoît). — Bourg.
VERMOREL (Mme Louis). — Bourg.
VERMOREL (Marius). — Grands-Fers.
VERMOREL (Pierre). — Serve-des-Places.
VERNEY (Léon). — Belleville.
VILLARD (Mlle du). — Presle.
VIOLLET (Claudius). — Poncié.
VIOLLET (Jean). — Poncié.
VURPAS (Mme). — Maisons-Neuves.
WAGNER-DEBAT. — Vers-le-Mont
ZANOLY (Constant). — Bourg.

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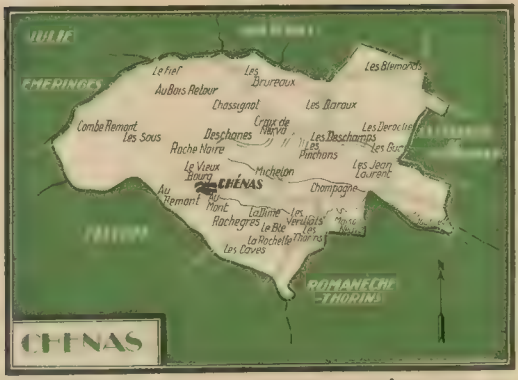

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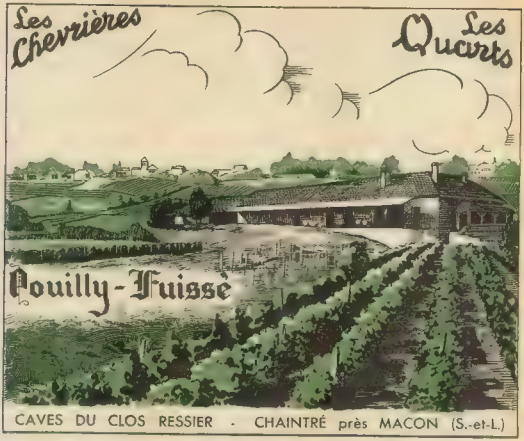
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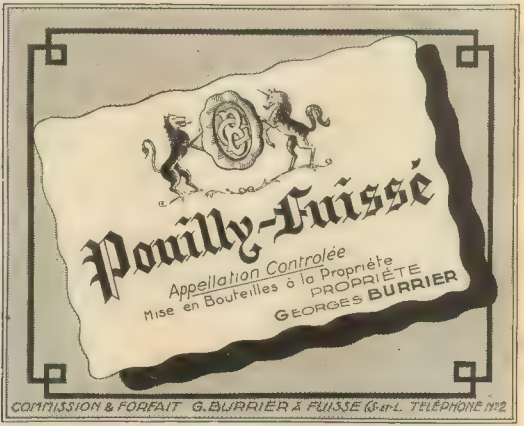
Les Quarts
Pouilly-Fuissé
CAVES DU CLOS RESSIER - CHAINTRÉ près MACON (S.-et-L.)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Appellation Controlée
Mise en Bouteilles à la Propriété
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COMMISSION & FORFAIT G. BURRIER à FUISSE (S.-et-L.) TÉLÉPHONE n°2

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE COUTROLLED APPELLATION VINEYARDS

SAINT-ROMAIN

BAROLET (Henri). — Les Sous-le-Château, Poillanges.
BAZENET (Armand).
BOCK-BONNARD. — Poillanges, Sous-le-Château.
BOURGEOIS-LACOMME. — Clos de Sous-le-Château, Sous-Roches. — (See Auxey-Duresses.)
BOURRU (Gabriel), — Sous-le-Château, Les Poillanges.
BOURRUD-MERY. — Sous-le-Château.
BOUZEREAU (Les Héritiers de Paul). — Les Clous, Poillanges, Sous-le-Chastel, La Combe-Bazin.
BUISSON (Edmond). — Les Sous-Roches, La Combe-Bazin, Le Verger.
BUISSON (Emile).
BUISSON (Ernest). — Sous-le-Château.
BUISSON (Fernand).
BUISSON-CHERARD. — Poillanges, La Combe-Bazin, Sous-Roches.
BUISSON-NAUDIN.
DESCHAND (André).
DONAUX (F.). — Sous-le-Château, La Combe-Bazin, Les Poillanges, Sous-Roche-Bas.
FEVRE (Bernard). — La Combe-Bazin, Sous-la-Velle.
FEVRE (Léon). — Sous-le-Château.
FEVRE (Louis).
FEVRE-BUISSON. — Sous-le-Château, Sous-la-Velle, Chassorney, La Combe-Bazin, Les Carans.
GRAS (Joseph). — Sous-la-Velle.
GRIVELET (Emile). — Sous-Roches.
LACOMME (J.-B.). — Sous-le-Château, Les Poillanges, Sous-Roches, Le Jarron.
LAMOTTE (Veuve). — Sous-la-Velle, Les Beurnottes, Les Corvées, Le Dos-d'Ane.
LAPLANCHE (Lucien).
LAPLANCHE (Stéphen).
LENEUF-MARTENOT. — Sous-le-Château, La Combe-Bazin, Poillanges, Le Jarron.
LENEUF-RIBOULOT. — Sous-le-Château, Chassorney, Sous-Roches, Corvée, Jarron.
MARTENOT (René). — Sous-le-Château, Poillanges.
MARTENOT (Lucien).
MARTENOT-TIERCIN. — Sous-le-Château, Les Poillanges, Les Perrières, Sous-Roche, Leutrait.
MENAULT (Albert). — Poillanges.
MENAULT-LAMBERT. — Clos de la Champagne.
NAUDIN-BOUILLET. — En Chassornay, Caran, La Combe-Bazin. — (See Auxey-Duresses).
PASSEROTTE FILS ET Cie.
PERROT (Claude), Les Héritiers de. — Sous-Roches, La Corvée.
PICARD-GUYOT. — Les Poillanges.
ROCAULT (Armand).
ROLAND-THEVENIN ET FILS. — Le Clos des Ducs, Sous-le-Château, Le Clos de la Branière, Les Poillanges, La Combe-Bazin, Chassornay, Sous-Roches, Le Jarron.
RONDET.
TAUPENOT (R.). — Les Poillanges, Les Beurnottes. — (See Auxey-Duresses.)
THEVENIN-BOUZEREAU. — Le Val, Grains, Le Verger, Le Ban.
THEVENIN-MONTHELIE (René). — Les Poillanges, Sous-le-Château, Jarron. — (See Volnay, Monthélie.)
THEVENIN-TIERCIN (Léon). — Poillanges, Sous-le Château, Jarron.

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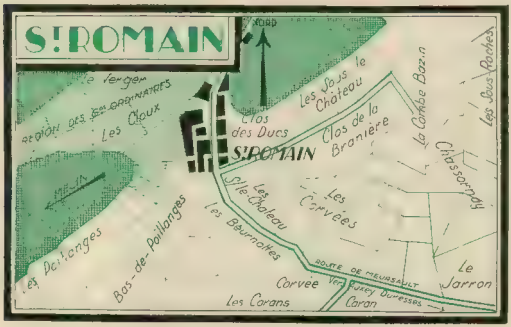
St-ROMAIN - PULIGNY - MONTRACHET



SAINT-ROMAIN.

Appellation **"BOURGOGNE"**

This little parish terminates, with a magnificent amphitheatre of rocks, the smiling valley which extends from Meursault to Auxey Duresses. It is one of the most picturesque of all the Côte-de-Beaune villages.

On the culminating part of the enormous rock which dominates the valley are to be seen the ruins of the " Chateau des Ducs " otherwise, the Dukes' Castle.

It was from what was then " the Barony of Saint-Romain", where consider able supplies were kept in the XIVth century, that all the wines intended for the Hotel of the Dukes of Burgundy in Paris, were transported. The cartage from the Castle, which was inaccessible from three sides, was extremely difficult but it had the advantage, unlike the Pommard cellars, of rendering it free from pillage.

These hillsides produce red wines with a beautiful robe and bouquet, which combine plenty of body and spirit and are capable of perfect preservation. They have the right to the appellation of " Saint-Romain. "

Some very fruity white wines of excellent *tenue* are also produced from a part of the vineyard.

CHATEAU BEL-AIR

LA MOULEYRE

FIRST GRAND GROWTH

STE-CROIX-DU-MONT

Marc SACRISTE

Proprietor

The CHATEAU BEL-AIR is the achievement of several generations of worthy workmen and vigneron-s. It is constructed upon one of the highest points of the Ste Croix-du-Mont parish.

Its splendidly exposed vineyards are situated on the very highest of the clay and limestone hillsides of that parish. The estate is 50 acres in extent, four-fifths of it being planted with the Semillon and the remaining one-fifth with Sauvignon and Muscadelle. Its fine and unctuously creamy wines are favourites in the Wine-Trade, where their qualities are highly esteemed and appreciated

The wine from this vineyard obtained the Gold Medal Diploma at the Brussels Exhibition in 1910 ; and honourable mention at the XIIIth Bordeaux Exhibition in 1895; the Collective Grand Prize at the St Louis Universal Exhibition (U. S. A.) in 1904; the Gold Medal at the Paris Agricultural Show in 1928 and was ranked as "above cassation" by the Commission of Controlled Appellations in 1942.

Mr Marc Sacriste is also proprietor of the "La Cabanne" vineyard of Pujols-sur-Ciron

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LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

Châteaux and estate classification — **Classification by owners' names**

SAINTE-CROIX-DU-MONT *(end)*

DOMAINE DE PARENTEAU. — Ranou (N.)
DOMAINE PIN-DESCLAUX. — Barathe (A.)
DOMAINE DE ROUSTIT. — Boussie-Dulac, Verdelais
DOMAINE DU TICH. — Fonteyreaud (J.)
DOMAINE DES VIGNOTS. — David (A.).

SAUVESTRE (Mme Veuve et Fils). — Château Laborie
SESSACQ (Raoul). — Clos Médouc.
SEZE (de). — Château Terfort
SICRES (Jean). — Château Lafue.
SIMON (G.). — Cru du Tich.
SOCIETE LOUBENS. — Château Loubens
SOLANE (A.) et BELLIARD (Mme A.). — Clos de Crabitan
SOUQ (Leopold) — Cru des Arroucats.
THEAUX.
TRIGAUD (Camille)
VATHAIRE (de). — Château Jean-Lamat.
VIDAL (Paul). — Domaine Lacarreyre
VIDAL (Pierre).
VIGNON (Abel). — Cru Lacoulasse
VILLEFRANQUE (René). — Le Pin.
VIMENEY (Camille). — Clos Larrivat.
VIMENEY (Roger). — A Langon, Ch. Gensonne

CHATEAU LABORIE

Sainte Croix du Mont

ROLLED APPELLATION

ROLAND DANIÈS-SAUVESTRE

OWNER

★

The best French white wines of first class are produced in Chateau LABORIE at Sainte-Croix-du-Mont, Bordeaux région

Clos Jean

HAUT-LOUPIAC

APPELLATION CONTROLÉE LOUPIAC

Propriétaires Joseph BORD

Clos Jean

IST GROWTH HAUT LOUPIAC

Owners : Joseph BORD, Successeur

This vine-yard spreads over the first slopes of the Garonne. The greatest part of the soil is clayey-chalky and the rest of gravy soil constituted by rolled stones of pyrenean dilivium.

Entirely planted with great vine-plants (3/4 Semillon, 1/4 white Sauvignon) it produces wines of great fineness, mellow, stouty, perfectly poised.

In the year 1901 the agricultural Soc ety of Gironde gave to Clos Jean the price of Vine-growing (gold medal). The same gift was gave again to it in the year 1928. In the Exhibitions of Anvers 1894, Lyon 1894, Bordeaux 1895 and 1907, Liege 1905 and London 1908 these wines were above class and M. Georges Bord, grand-father of the actual owners, was member or appraiser of the Jury.

Its white wines which are particularly appreciated, have a delicate zap which is due to the exceptional nature of the soil, and to the judicious choice of the fine vine-plants which produce them.

CHATEAU MAZARIN

LOUPIAC

Robert MEYSSAN Propriétaire

CHATEAU MOURA
ESTRADE
NÉGOCIANT-PROPRIÉTAIRE
BARSAC
GRAND VIN
APPELLATION CONTROLÉE

CHATEAU MONT-JOIE
ET
CHATEAU JACQUES LE HAUT
Dr DESPUJOLS
PROPRIÉTAIRE
BARSAC
(GIRONDE)

Le Château Le Coustet
autre grand cru de Barsac
est cultivé par Monsieur André Mathieu.
CHATEAU
BRASSENS-GUITERONDE
HAUT-BARSAC
A. MATHIEU
PROPRIÉTAIRE

LIST OF THE PREMIÈRES COTES DE BORDEAUX (PARISHES)

Baurech	157	Le Tourne	157
Beguey	163	Monprimblanc	171
Cadillac	165	Omet	169
Capian	159	Paillet	159
Cardan	161	Rions	162
Donzac	170	Saint-Maixant	173
Gabarnac	172	Semens	172
Haux	157	Tabanac	157
Langoiran	158	Verdelais	174
Laroque	161	Villenave-de-Rions	161
Lestiac-sur-Garonne	159		

CHATEAU DE PIC

THE CHATEAU de PIC which overlooks one of the most beautiful landscape panoramas on the right bank of the river, has an estate of 63 acres of which 33 acres are laid down in vines. Its clay and gravel croups with their stony sub-soil, turning exclusively eastwards and southwards, are thus admirably exposed to the sun. The Pic white wines are characterised by plenty of *finesse* and perfume and often by a fine liqueur. The vendange and the vinification of them have always been attended by the greatest care, in conformity with the best Sauterne practice. The red wines are full-bodied and have a great deal of bouquet.

AVERAGE ANNUAL PRODUCTION

White wine..... 140 hogsheads
Red Wine ..... 24 hogsheads

LE TOURNE LANGOIRAN

CHATEAU LAGAROSSE

1res Côtes de Bordeaux - 1er Cru

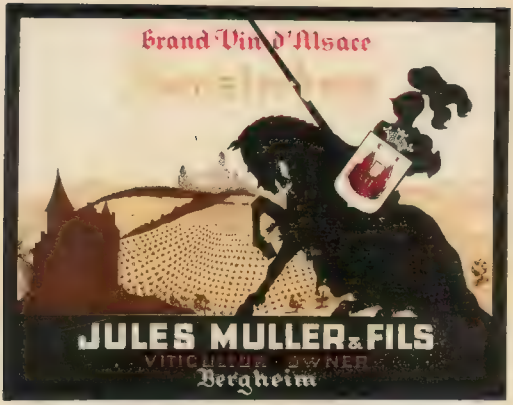
Propriétaires : G. et M. VINCENT **TABANAC**

GRAND VIN D'ALSACE
VINS DE RIQUEWIHR
XIIIe SIECLE
XIIIe SIÈCLE
RENE SCHMIDT
PROPRIETAIRE-VITICULTEUR
RIQUEWIHR (H.Rh.)

GRANDS VINS D'ALSACE
PROPRIETE
TRIMBACH
RIBEAUVILLE
AGENTS EXCLUSIFS POUR LA GRANDE-BRETAGNE ET DOMINIONS
MAISON DEINHARD & Cie (1940) LTD. 6 IDOL LANE - GREAT TOWER STREET LONDON E.C.3

Alsace fine wines
Traminer
Wettolsheim
Muscatel
Alsace Tokay
White Pinot
Joseph Wunsch
owner wine grower

ALSACE TOKAY
MUSCATEL
TRAMINER
PINOT
ALSACE FINE WINES
ANTOINE GASCHY
FOUNDED IN 1817
WINE-GROWER-SALER
WETTOLSHEIM (HTRHIN) FRANCE


Grand Vin d'Alsace
JULES MULLER & FILS
VITICULTEUR - OWNER
Bergheim

FIRM FOUNDED IN 1836
HIGH ALSACE WINES
GUSTAVE LORENTZ
Charles LORENTZ
successor
Bergheim

E. MICHAUD

PROPRIETOR AND GROWER

SAINT-MACAIRE-DES-BOIS

Hillsides of THOUET and Argenton

•

WINES IN CASKS AND IN BOTTLES

SAUMUR HILLSIDES
White, red and rosé wines

Vineyard of the "CHAMPS FOUCRES" at Varrains

Vineyard of "LA MOTTE" at Souzay

gabriel dézé

Vineyard-proprietor and viticulturist
at **VARRAINS (Maine-et-Loire)**

COTEAUX DE SAUMUR

Clos de l'Abbaye

Puy Notre-Dame

MAINE & LOIRE

E. CHUAT. PROPRIÉTAIRE

COTEAUX DE L'ARGENTON

Château du Preuil

PROPRIÉTAIRE-VITICULTEUR : Docteur FRÈRE

ARGENTON-L'ÉGLISE TÉLÉPHONE 17 DEUX-SÈVRES

MIS EN BOUTEILLES AU CHATEAU

VINS SUPÉRIEURS des COTEAUX du THOUET

THOUARS ANJOU

Clos Sénateur Bergeon

[illegible] propriétaire-viticulteur à VRAC, par Thouars (Deux-Sèvres)

HILLSIDES
OF
LAYON

CELLAR OF THE
THIBAUDERIE

JACQUES RICHARD

VINEYARD-PROPRIETOR AND WINE-GROWER

LA THIBAUDERIE

TÉL. Nº 3 à NUEIL-sur-LAYON

(MAINE-ET-LOIRE)

Gold Medal : Paris 1907 - First Prize at the Gand Exhibition 1913 - Silver Gilt Medal . Paris 1923 - Member of the Jury : Paris 1924 - Silver Médal : Colonial Exhibition 1931 Silver Medal : Paris 1937

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

CHANZEAUX

BESNARD (J.). — La Jutière.
BESNARD (J.). — Au Prieuré.
GASTE (Abel). — Doua
MARTIN (R. et J.). — La Brosse.
NOUTEAU (P.). — Au Plessis.
OGER (H.). — La Jutière.
ROCHEFORDIERE (X. de la). — Château de la Chauvellière-sur-Layon.

CHAVAGNES-LES-EAUX

BOULEAU (P.).
CHATEAU LE VAU.
CHEVRIER (J.).
CORBIN (M.). — Le Prieuré.
DIARD (R.).
D ARD (René).
GRIMAULT (Mlle).
GUILLOTON-PASQUEREAU.
OURIOU. — Clos du Haut-Fleury.
RUAIS-DESCHAMPS

CLERE-SUR-LAYO N

DEFO.S (A.). — Château de Brossay.

COUCOURSON-SUR-LAYON

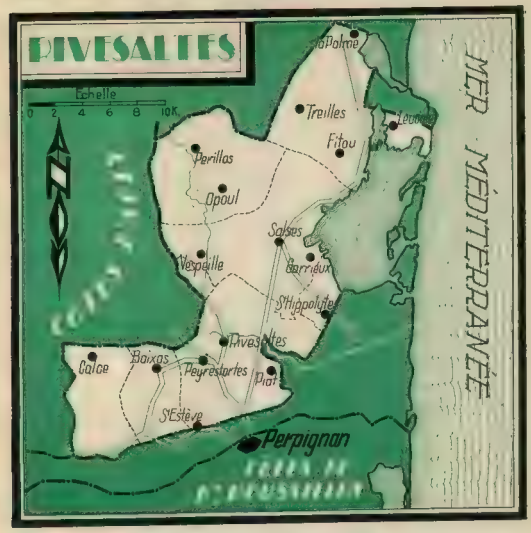
AUBIN (A.).
BALD NEAU.
BOISSONOT.

FAVERAYE-MACHELLES

GADRAS (Mme).
CHATENAY (Marcel).
FERRANT (Henri). — Les Aunis.
GAUCHEAU.
GRIMAULT (E.).
JOUSSET (Louis). — Les Bates.
MAITREAU (Veuve).
RENARD.
ROULLEAU (Alphonse). — Château et Clos du Moulin-des-Rochettes.
ROULLEAU (Camille).
RICHARD·N.
VAILLANT.
SAINT PERN (de).

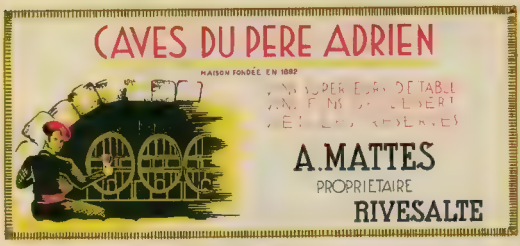
DOUE-LA-FONTAINE

TOUCHAIS (J.).



RIVESALTES.—The basic musts are compelled to have a minimum of 14°. *(Yield* 308 *gallons to the acre.)*

Les moûts de base doivent titrer au minimum 14°. (Rend. 35 hl à l'ha.)



WINES
FOR
EXPORT

NATURAL SWEET WINES
CONTROLLED APPELLATION
OF RIVESALTES

Édouard DESTAVILLE

VITICULTURIST AND WINE PRODUCER

●

DOMAINE DE PÉDROS, **FITO** (Aude) – Tél. 2
DOMAINE DES BERGERIES, **FITOU** (Aude) – Tél. 7
CABANES DE LAPALME, **LAPALME** (Aude) – Tél. 10

DOMAINE DE ROMBEAU

VIN DOUX NATUREL. APPELLATION CONTRÔLÉE

RIVESALTES

Médaille d'Or. 1930

PROPRIÉTAIRE PIERRE de la FABREGUE

R.C. EPERNAY 8368 . CODE A.B.C. 6ème Ed.

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Eugène Cliquot

House Founded in 1894

REIMS

7. RUE LOCHET EPERNAY

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APPELLATION CONTROLÉE
(Tête de Cuvée)
SIFFREIN·GAUTIER & FILS
Négociants à
AVIGNON
Représentant pour l'Angleterre :
LA MONTAGNE, 121, Victoria Street, LONDON S. W. 1.

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VIEUX MAS DES PAPES
Châteauneuf du Pape
JULES BRUNIER
PROPRIÉTAIRE
Grand Vin
Vieux Télégraphe
Châteauneuf-du-Pape
H BRUNIER & FILS PROPRIÉTAIRES
BUREAU
BEDARRIDES
VAUCLUSE

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

CHATEAUNEUF DU PAPE *(end)*

ROLLAND (Henri).
ROQUEYROL (Albert).
ROQUEYROL (Vve Antonin).
ROYER (Albert).
ROYER (Jean).
SABON (Séraphin).
SERGUIER (Hippolyte).
SERRE (Fernand) (St-Préfert).
STE CIVILE DU CHATEAU DE VAUDIEU.
TACUSSEL (Clément).
TACUSSEL (Albert).
TACUSSEL (Edmond).
TACUSSEL (Eugène).
VIGNE (Raoul).
TRINTIGNAN (Vve Louis).

HILLSIDES OF THE LAYON

Pierre Bouleau

Vineyard-proprietor and wine-grower

CHAVAGNES-LES-EAUX

Maine-et-Loire)

Wines of Anjou

Vineyard of the Grivettes. Vineyard of the Seigneurie. Gold and Silver Medals. Paris Exhibition.

GUILLOTON-PASQUEREAU

Vineyard-proprietor and wine-grower Phone N° 4

Chavagnes-les-Eaux (Maine-et-Loire)

BOTTLED AT THE VINEYARD

GREAT WINES OF ANJOU
HILLSIDES OF THE LAYON

BONNEZEAUX

Clos du Haut Fleury

CHAVAGNES (M.-&-L.) OURIOU Prop.

WHITE & ROSE
WINES OF ANJOU

D. RUAIS-DESCHAMPS

Vineyard-proprietor and wine-grower
Estate of MILLE.

CHAVAGNES · (Maine-et-Loire)

Phone N° 17

Hillsides of the Layon wines in casks and in bottles

CHATEAU DES ROCHETTES

A CONCOURSON SUR LAYON (M&L)

Premiers grands crus des coteaux du Layon

ALPHONSE ROULLEAU

PROPRIÉTAIRE VITICULTEUR

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

CHAUDEFONDS-SUR-LAYON

BOULESTREAU-BOURREAU.
BOURREAU JOLIVET.
BRICHEREAU (A.). — Château Guérin.
COURTIN (A.). — Ardennay, par Chaudefonds sur-Layon.
DAVY de VIRVILLE — Château du Jeu
JUTEAU (H.).
JUTEAU (L.).
MARTIN-COULON.
VERON (P.).
SALLE (L.).

GREAT WINE OF ANJOU

HILLSIDES OF LAYON

•

A. BRICHEREAU
VINEYARD PROPRIETOR
AND VITICULTURIST

VINEYARD OF
"LA RICHARDIÈRE"
CHAUDEFONDS-SUR-LAYON
(Maine-et-Loire)

PHONE : 2

VINEYARD OF THE "BRUANDIÈRES"

HONORÉ JUTEAU
PROPRIETOR
La Brosse-Chaudefonds-s.-Layon
(Maine-et-Loire)

•

GREAT WINE OF ANJOU — LAYON HILLSIDES

VINEYARD OF THE
"ESSARTS"

PIERRE VÉRON
Vineyard-proprietor and wine-grower
CHAUDEFONDS-S/-LAYON
(Maine-et-Loire)

GREAT WINES OF ANJOU
THE LAYON HILLSIDES

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

AUBIGNÉ-BRIAND

ARAMBEAU.
COCHARD.
GASNAULT (L.).
RAMBAULT.

BEAULIEU-SUR-LAYON

CHAILLOU (A.).
CHAUVIN-ESNOU.
CLOUARD (Jean). – Clos de la Grand'Claie, Le Breu I.
COCARD (Docteur).
FRIBAULT-DRILLAULT. — Clos du Breu I.
GOUIN (Auguste). — Coteaux du Paradis.
HAMON (Veuve L.). — Château du Breuil.
RAIMBAULT (Victor). — La Saillanderie.
RIBIÈRE-RENOU.

BRIGNE-SUR-LAYON

OLLONE (comtesse d'). — Château Maurepart.
VASLIN (C.). — La Pichardière

CHALONNES-SUR-LOIRE

BURGEVIN (J.). — Coteaux Saint-Vincent
HARANG (Mlle). — Clos de Feuilles-d'Or
LAFFON DE LADEBAT. — Château des Fresnaies

CHAMP-SUR-LAYON

BOULETREAU-GAZEAU.
BOUHIRON (Auguste).
CESBROU-ROCHE
DRAPEAU.
DURAND-MISANDEAU.
GELINEAU (G.). — Clos de la Viaudière
GARDAIS (L.)
HOREAU (P.).
HOREAU (T.).
LECOINTRE-VAUGOYEAU. — Clos de la Roche Gaudrie.
MALOUET (P.).
MARTIN-BOUHIRON.
MARTIN-DUVEAU.
PICHERIT-ROLAND.
PICHERIT (Théophile) — Clos des Sables et La Raimbaudrière.
ROULET-JUTEAU
TAUBIN (J.).
THULEAU-GAZEAU
VIAU (Louis)

HILLSIDES
OF THE LAYON

Paul
MALOUET
OWNER
Vineyard of
"La CONTRECHE"

CHAMP-SUR-LAYON
(Maine-et-Loire)

ANJOU-LAYON

First Grand Growth
White and Rosé wines

LOUIS VIAU

VINEYARD PROPRIETOR
AND WINE GROWER

CHAMP-SUR-LAYON (Maine-et-Loire)

WINES on COMMISSION
ANJOU (Hillsides of the LAYON)

Lucien GARDAIS
VITICULTURIST

All wines are forwarded
direct from the vineyard

LE CHAMP-sur-LAYON (M.-&-L.)

PHONE : 1 **C. R. ANGERS 6935**

RABLAY
VINEYARD OF
PARMENIER

Fulgent DRAPEAU
Vineyard proprietor and viticulturist
LE DREUILLÉ
at CHAMP-sur-LAYON (M.-&-L.

COTEAUX DU LAYON

BONNEZEAUX - FAYE
SAINT-AUBIN RABLAY
CHAMP-SUR-LAYON

ROULET-JUTEAU
PROPRIÉTAIRE-VITICULTEUR

CHAMP-SUR-LAYON
(MAINE-&-LOIRE)

Tél. : 9

HILLSIDES OF LAYON

HENRI ANDRIEUX

PROPRIETOR AND VITICULTURIST

Téléphone 22 — at SAILLANS (Drôme) — Téléphone 22

Ask for his Great Crus:

1° "Château du Plot", brut natural;
2° "Domaine de la Tuillère". Grand Dry and Half-dry wines rendered sparkling by champagne process.
3° His "Clairette de Die".

MOUSSEUX NATUREL

SYNDICAT VINICOLE DE LA CLAIRETTE DE DIE

Clairette de Die

APPELLATION CONTROLEE

Gilbert ACHARD

Propriétaire-Viticulteur

BARSAC, par Ste-Croix (Drôme)

GRAND NATURAL SPARKLING WINE

Clairette de Die

RESERVED GROWTH

Edmond POULET

PROPRIETOR AND VITICULTURIST

FONTAIX (Drôme)

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

LIST OF THE SYNDICATE'S MEMBERS *(End)*

DIE

BUFFARDEL (Camille).
BUFFARDEL (Edouard).
BUIS (Auguste).
GIRARD (Léonce).

ESPENEL

ARNOUX (Isaac)
AVOND (Gustave).
AVOND (Paul)
BONNET (Henri).
CHAUVET (Ernest)
CHAUVIN (Léon).
GIROUIN (Edouard)
GIROUIN (Henri).

LAVAL-D'AIX

FAURE (Emile).

PONET

GALLAND (Ernest)
MARCEL Emile.
MUNIER (Louis).

PONTAIX

ALLEMAND (Paul)
AUBANEL (Ulysse)
AUDRA (Adolphe)
BARNIER (Henri).
BASTET (Henri).
BERTRAND (Léopold).
GAY (Edouard)
GERANTON (Gustave)
JULLIEN (Elie).
LIOTARD (Léon).
MARCEL (André).
MARCEL (Louis-Henri).
POULET (Aimé)
POULET (E.).
POULET (Georges)
RAMBAUD (Ernest)
REMY (Elisée).
TRUCHEFAUD (Théodore).

MENGLON

ADDOU (Elie).
BUMAT (Paul)
BERTHET (Augustin)
RAMBAUD (Charles)

MONTLAUR

BRUN (Léon).
FAURE (Paul).

MONTMAUR

FERRIER

SAILLANS

ANDRIEUX (Henri).
AUBERT (Georges).
CAILLET (Auguste)
CHABERT (Fernand).
FUSARI (Dominique)
GIRY (Paul)
TEYRE (Jean).

SAINT-SAUVEUR

BRUNEL (Adrien).
VERGIER (Louis).

SAINTE-CROIX

ARCHINARD (Maurice).
FRACHET (Henri).
GRAUGEROU (Camille).
MONAND (Albert).
TRUCHEFAUD (Octave).

SAINT-ROMAIN

CORNILLOU (Elie).
GAUTHIER (Aimé)
RAMBAUD (Paul).

VERCHENY

ARNAUD (Etienne).
BRUN (Hélène)
BRUN (André
BARNIER (Paul)
BOUVET (Germain)
BOUVET (René)
CHAMBRER (Gustave)
CHÉRA (Léon)
DAUMAS (Henri)
GRANON (Aristide).
MONGE (André).
MONTBRAND (Jean).
ODDON (André).
POULET (Elie)
POULET (Henri).

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

LIST OF THE SYNDICATE'S MEMBERS ,

OFFICE :

Présidents : POULET (Maurice), à Barsac
VINCENT (René), à Barsac.
Vice-Présidents: BUFFARDEL (Edouard) à Dié.
DAUMAS (Henri à Vercheny, RAMBAUD Charles) à Menglon.

Treasurer : ROUX (René) à Aurel
Secretary : TRUCHEFAUD (André) à Barsac.

AOUSTE

BONNARD (Victor)

AUBERMAISON

AUBERT (Louis)

AUREL

AUBERT (Paul)
AUBERT (René).
AVOND (Camille)
AVOND (Ernest)
BARNIER (Jules)
BEC (Auguste)
BEC (Marius).
BOUSTIE (Jean)
BRACHET (Léopold)
CHAIX (Henri).
CHAUVIN (Henri)
DRESCHLER (André).
GILLOUIN (Auguste)
LIOTARD (Louis)
MARCEL (Henri).
MORIN (Louis).
MICHEL (Robert).
NICOLAS (Charles)
RASPAIL (Gédéon).
ROUY (Ferrand)
ROUX (André)
ROUX (René).

BARNAVE

LAGIER (Elie).
LIOTARD (Louis)

BARSAC

ACHARD (Gustave).
ARNAUD (Léopold)
BARNIER (Léopold).
BAUTIN (Louis).
BAUTIN (Gabriel)
BOMPARD (Joseph)
CHAUVIN (Louis).
CHAUVIN (Théophile
DIDIER (Fernand)
DUPLAN (Victorin)
LAMANDE (Albert)
LANTHEAUME (Job)
LONG (Maurice).
MAGNAN (Henri)
MAGNAN (Louis)
MARCEL (Léon)
MAILLEFAUD (Maurice)
POULET (Veuve Lucien)
POULET (Maurice).
SALABELLE (Elie).
SAMBUC (Georges)
TRUCHEFAUD (André).
VINCENT (René).

BLACON

RICHAUD (Elie)

COTEAU
DU COLLET
Clairette de Die
GÉDÉON RASPAIL
Propriétaire Viticulteur
AUREL par VERCHENY (Drome)

GEORGES
POULET
VITICULTEUR
PONTAIX par Ste Croix
DRÔME
Clairette de Die
APPELLATION CONTROLÉE
MOUSSEUX NATUREL
GEORGES POULET VITICULTEUR
PONTAIX par Ste CROIX (DRÔME)
MOUSSEUX NATUREL

MOUSSEUX
NATUREL
Clairette de Die
Appellation Contrôlée
JULLIEN
Propriétaire Viticulteur
PONTAIX par Ste-Croix (Drôme)

MOUSSEUX NATUREL
Clairette de Die
APPELLATION CONTROLÉE
ALLEMAND Père & Fils
PROPRIÉTAIRES-VIGNERONS
PONTAIX (DROME)
Clairette de Die

MARETT

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COGNAC

GAUTIER FRÈRES
COGNAC
Established 1755
Always in the same family since its foundation

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J.SORIN & Cº
COGNAC

COGNAC
AUZENEAU
MAISON FONDÉE EN 1830
LES SUCCESSEURS DE
A. AUZENEAU
NEGOCIANTS A BORDEAUX

BRICHETEAU FOUCHARD
Vineyard-proprietor and wine-grower
DENEE (M.-&-L.)

vineyard of
"CHALOT"
WINE OF
ANJOU – HILLSIDES
OF THE AUBANCE

A. PINEAU
Vineyard-proprietor and viticulturist
VINEYARD OF
"PAVILLON"
Great wine of Anjou
Hillsides of the Aubance
LE PAVILLON - DENEE (Maine-et-Loire)

JULES
PIQUET

WINES OF ANJOU
THE
AUBANCE HILLSIDES
ERIGNE (Maine-&-Loire)

WINE OF ANJOU
HILLSIDES OF
THE AUBANCE

DOCTOR
LEROY
Vineyard-proprietor
and wine-grower
GOULAINE-s/-AUBANCE (M.-&-L.)

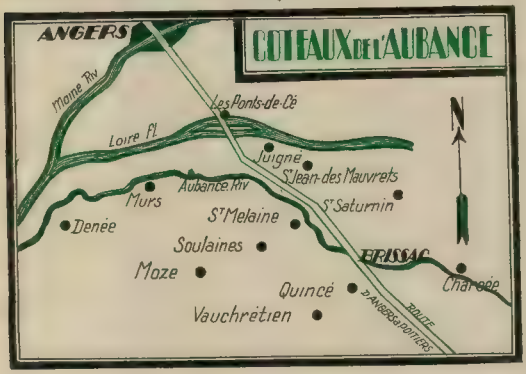
vineyard of
"LA VÉRONNIÈRE"

WINE OF ANJOU
HILLSIDES OF
THE AUBANCE
VOLLUET-RICHOU
Vineyard-proprietor and viticulturist
MOZE-SUR-LOUET (M.-&-L.)

VINEYARD OF "NEAU"

L. FROUIN-HUNAULT
Vineyard-Proprietor and Viticulturist
MOZE s/ LOUET (Maine-et-Loire)

GREAT WINE OF ANJOU
HILLSIDES OF THE AUBANCE



THE AUBANCE HILLSIDES (Coteaux de l'Aubance). — A white wine which reminds one of the LAYON wines but is less rich and less liquorous. 9°,5. Yield : 396 gallons to the acre.

COTEAUX DE L'AUBANCE. — Vin blanc, rappelle ceux du LAYON mais moins riche et moins liquoreux. 9°,5. Rendement : 45 hectl. à l'hectare.

WINES OF ANJOU
HILLSIDES OF THE LAYON
WHITE AND ROSÉ WINES
IN CASKS AND IN BOTTLES

CESBROU-ROCHE
PROPRIETOR

CHAMP-SUR-LAYON
(MAINE-ET-LOIRE)

FINE WINE OF ANJOU
HILLSIDES OF THE LAYON

LA NOUE-RONDE

L. SALLE
PROPRIETOR

CHAUDEFONDS-SUR-LAYON
MAINE-ET-LOIRE

WINES OF ANJOU - HILLSIDES OF THE LAYON

ROLAND PICHERIT
Viticulturist and Wine Merchant
CHAMP SUR LAYON
(MAINE-ET-LOIRE)

LAYON HILLSIDES - WHITE & ROSÉ WINES

THOMAS HOREAU
LE MESNIL
CHAMP-SUR-LAYON
(MAINE-ET-LOIRE)
Wines in casks and in bottles

CHAUDEFONDS-S/-LAYON

GREAT WINE OF ANJOU
HILLSIDES OF LAYON

•

SAINT-LAMBERT

A. COURTIN
VINEYARD PROPRIETOR
AND WINE GROWER
ARDENAY

•

CHAUDEFONDS-S.-LAYON (M.-&-L.)

GREAT WINE OF ANJOU
THE LAYON HILLSIDES
VINEYARD OF "L'OIRIER SAMSON"

•

BOURREAU-JOLIVET
VINEYARD PROPRIETOR AND
VITICULTURIST
ARDENAY

•

CHAUDEFONDS-S.-LAYON (M.-&-L.)

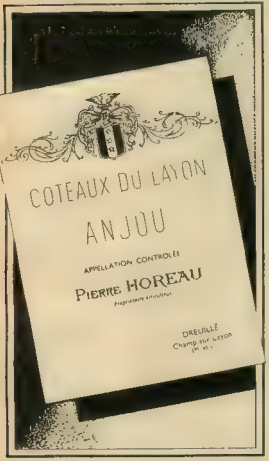
WINES OF ANJOU
HILLSIDES OF ANJOU

DURAND-MISANDEAU

Vineyard proprietor and wine-grower

CHAMP-SUR-LAYON (Maine-et-Loire)

Gold Medals PARIS 1927-28-29
Numerous Silver Medals

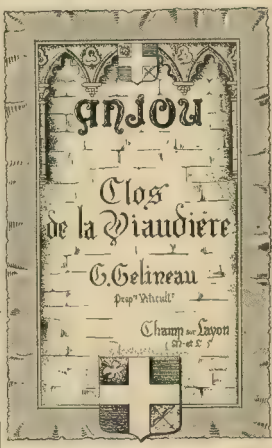


JEAN TAUBIN

VINEYARD OF THE
"RAIMBEAUDIÈRE"

WINES IN BOTTLES

CHAMP-SUR-LAYON (Maine-et-Loire)

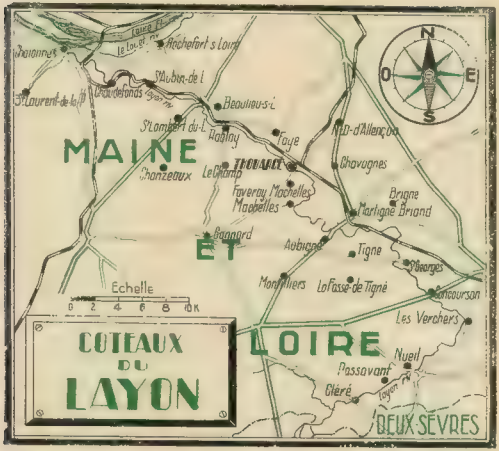


MARTIN BOUHIRON

VINEYARD PROPRIETOR AND VITICULTURIST
CHAMP-SUR-LAYON
(Maine-et-Loire)

PARIS

Bronze Medals 1928 and 1930. Gold Medals 1929.
Post-Office Account : NANTES N° 122-75



THE LAYON HILLSIDES (Coteaux du Layon).—A very strong, active, wine full of vim and sap; one of the best ANJOU products. 9°5 — yield 396 gallons to the acre. The best well-known of them are grown at THOUARCE-BONNEZEAUX, FAYE, RABLAY, BEAULIEU, SAINT-AUBIN-DE-LUIGNE and ROCHEFORT-SUR-LOIRE, amongst them the really noteworthy cru of QUARTS DE CHAUME.

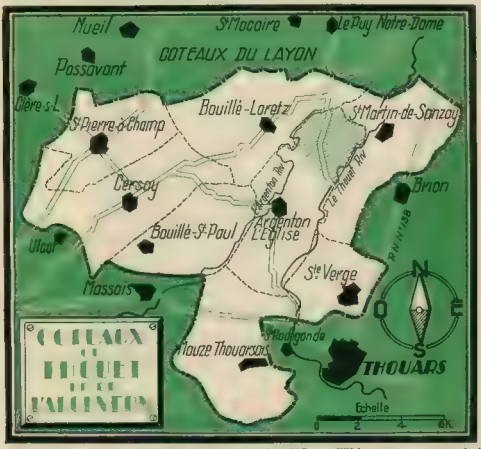
COTEAUX DU LAYON. — Vin blanc très liquoreux, des meilleurs de l'ANJOU. 9°5. — Rendement 45 hl. à l'ha. Les plus reputés se récoltent à THOUARCE-BONNEZEAUX, FAYE, RABLAY, BEAULIEU, SAINT-AUBIN DE LUIGNE et ROCHEFORT-SUR-LOIRE, avec le remarquable cru des QUARTS DE CHAUME.

Quarts de Chaume

CHATEAU DE L'ÉCHARDERIE

A. COURTILLIÉ - ROYNET
Proprietor
ROCHEFORT-SUR-LOIRE
(Maine-et-Loire Phone nº 26)

FIRST GRAND GROWTH
ANJOU-LAYON
- Controlled Appellation -



THE THOUET and ARGENTON HILLSIDES. — White wines sweet or half liquorous, " nerveux ", of good conservation : assimilate to those of Coteaux de Saumur. 906 yield : 396 gallons to the acre.

COTEAUX DU THOUET ET DE L'ARGENTON. — Vin Blanc moelleux ou demi-liquoreux, nerveux, d'une bonne conservation ; rappelle les vins des Coteaux de Saumur. Degré minimum 9°5 ; rendement maximum 45 hl. à l'ha.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

ARGENTON-L'EGLISE
FRERE (Docteur).— Château du Preuil.

BOUILLÉ-LORETZ
BARREAU (Eugène).
BARREAU (Louis).
BATEAU (Clément)
BORIT (Henri).
BRIDIER (Roger).
BRIDIER (Theodore).
CHESNEAU (Arthur).
CLEE (Eugène).
COTILLON (Docteur P.).
COUDRAIN (René).
COUTANT (Alexandre).
DEVALLON (Edmond).
DOIZON (Henri).
DUMOULIN (Moïse).
GAUTHIER (Alcide).
GAUTHIER (Baptiste).
GAUTHIER (Eugène).
GAUTHIER (Henri).
GAUTHIER MESCHAIN
GIRARD (Eugène).
GUITTON (Henri).
HERISSE (Désiré).
HERVE (Eugène).
HERVE (Louis).
JAUNET (Fernand).
LACROIX (Gabriel).
LACRO X (Georges)
LACRO X LEMOINE
MAITREAU (Georges)
PAILLET (Charles).
PROTEAU (Louis).
RABY (Célestin).
RAIZIN (Félix).
RAIZIN (Henri).
SARGET (Jules).
SAUZE-DELHUMEAU.
TEZE (Docteur J.).
VOLLERIT (Eugène).

CERSAY
PASQUIER-COUE (J.)
Les Grands Sillons

THOUET et ARGENTON
DAUBIER-BOUE. — Clos Sénateur-Bergeon.
ET-OUX (S.)
FRERE (Dr). — Château du Preuil.
MICHAUD (E.).

HILLSIDES OF THOUET
at YRINES (Deux-Sèvres)

Sosthène
ETIOUX
VINEYARD-PROPRIETOR AND WINE-GROWER

WHITE, RED AND ROSÉ WINES
IN CASKS AND IN BOTTLE

THE SECRET OF CHATEAUNEUF-DU-PAPE

A REGAL WINE OF MANY BLENDS

THINGS CERTAIN BRITISH WINE-MERCHANTS SHOULD NOTE

By the Editor of THE YEAR-BOOK

ALPHONSE DAUDET, the French novelist, once applied the very hackneyed phrase of the "wine of Kings and the king of wines" to the rich, red wine called Châteauneuf-du-Pape, which ranks first among the great and resplendent crus of the Côtes-du-Rhône.

Yet, amazingly enough last summer an English wine-merchant was found writing to one of the London trade journals, naively confessing that he knew Chateauneuf-du-Pape was "a red wine", but was uncertain as to "whether it s a claret or a burgundy" *(sic)*. It is truly astonishing that such colossal ignorance should prevail in regard to a Côte-du-Rhône wine which for centuries has held pre-eminence over all the other beverages of the Rhône Valley, not even excluding the grand crus whose names are a household word all over the civilised world. That inquisitive British Rip Van Winkle of a wine-merchant, when he has realised that Chateauneuf-du-Pape is neither a claret, nor a burgundy and not even a Port wine, should be taught that whilst it is singularly jealous of its territory, it yet can follow perfectly no matter what other kind of wine with a meal, but that it specially scintillates with a rare brilliance and is a glass that can be irreproachably offered to a guest after any other of the greatest wines of the Côtes-du-Rhône.

Chateauneuf-du-Pape is none the less a wine of some mystery. It has one secret of which even Alphonse Daudet, if he knew of it — which is extremely probable seeing that he evinced a native's discerning interest in all the great wines of Southern France — never uttered one solitary word. He, like his great ecclesiastical predecessors, was silent in regard to the vital fact that the potent power, potency and superlative quality of this ancient beverage of the Popes — grown in the Papal vineyards ten miles from the ancient Papal Palace at Avignon — consists in the very simple truth that it is a careful and clever mixture of the juices of no less than twelve or thirteen varieties of vine-plants, dominated above all, by the Grenache and the superb Syrah.

No other Midi wine can rank in the final scrutiny with Châteauneuf-du-Pape. Others may emulate its superb ruby colour, a few rare crus may claim to match it in its palatal delicacy; others may assert an equality of attraction in bouquet; a rarer few may pretend to a similar or even larger natural alcoholic degree, but not one of them dare boast the combined superlative merits of the Chateauneuf-du-Pape. Its mystic secret is buried in the exquisite art of so mixing and blending the juices, each contributing just that element of quality which, in their union, constitute a wine *sui generis*. This is no exaggerated eulogy. Other wines grown in the immediate locality of Avignon and under practically the same climatic and other conditions, have tried to imitate it but the result has been lamentable. There is, for example, a red wine known as the Châteauneuf-de-Gadagne whose source is quite near to the ancient capital of the Comtat-Venais in, which superficially is akin to the Châteauneuf-du-Pape, but which, in actual fact, bears no resemblance to it in quality, any more than does the Châteauneuf-du-Rhône emerging from the Rhône Valley near Montélimar.

Incontestably, the great wine made from the cepages grown on the sun-bathed hills which border the left bank of the Rhône, stands alone in its seductive glory. In their picturesque imagery of speech, the exuberant vignerons of southern France aver that it makes "a peacock's tail in one's mouth", the simile being the allegorical quintessence of coloured beauty and grace.

Chateauneuf-du-Pape is a wine which grows more and more beautiful and pleasing with age; that is to say during the long years that mellow it without permitting it to surpass its glory or its prime. That is because it is the product of ripe grapes which have matured in the ardent heat and the white light of the Provençal sun; and that is equally why it is a wine free from acidity.

There is another contributory factor to its superlative merit. It is as careful y and delicately produced today as in those years when Pope Clement V. himself would mount his donkey on a Sunday and saunter forth, to inspect his vineyards wherein were grown the ceps producing his wine of predilection, and over whose preparation he exercised an unceasing and unsleeping vigilance. Nothing escaped him and no journey was too arduous to abate the enthusiasm of his surveillance. Indeed it was this zeal which cost him his life, for hardly venturing to cross the river in spate, then rushing furiously between the Papal Palace at Avignon and the new château in the vineyards higher up the stream, he slipped from his steed and was drowned.

The ruin of the castle in this village of wines still survives. It is set upon a hill and commands a surpassing view of the countryside for many miles beyond on either side.

The vignerons here, in most cases, have known an unbroken tradition. Their forebears toiled laboriously to tend the vine and with scrupulous and unerring care to prepare the papal wine. That tradition is sacred to them. They too strive, and succeed, in producing a rich, beautiful, soft wine with a wonderful delicacy and a most highly developed bouquet. The ancient "ban des vendanges" (public proclamation of the conditions under which the grape harvest could be gathered in) has been replaced by laws and decrees equally, if not more severe and rigorous, and these give to the consumers of Chateauneuf du-Pape a sure guarantee of the purity and perfection of their wine of preference.

That supreme art in blending which in the days of the Church's supremacy in France produced the purple wine of the Popes, has been elaborated by a progressively improving adjunct in vinification, which modern education and science have supplied. Therein lies the secret of the continuing greatness and glory of the rich wine of Châteauneuf-du-Pape.

CAVE COOPÉRATIVE DE VINS FINS

DE TAIN-L'HERMITAGE-DRÔME

TÉLÉPHONE 2

□□□□ HERMITAGE Red and White □□□□

CROZES - HERMITAGE Red and White

COTES DU RHONE DROME Red and White

MERCUROL - GERVANS - LARNAGE - CHANOS - CURSON - CHASSIS

COTES DU RHONE ARDÈCHE Red and White

SAINT-JOSEPH

WINES IN CASK AND IN BOTTLES

VISIT OUR CELLARS

Vinification in wooden receptacles. Each cru is vinified separately and preserved in the wood, that permits a combination of all the qualities of the ancient methods with the modern and rational methods of œnologically conducted fermentation and also ensures that the race of each wine shall be preserved.

CHAPOUTIER & Cie

TAIN-L'HERMITAGE (DROME)

PROPRIETORS AT THE HERMITAGE

VINEYARDS OF THE SIZERANNE

MURE DE LARNAGE
CHANTE-ALOUETTE

PROPRIETORS AT CÔTE-RÔTIE

PROPRIETORS AT
CHATEAUNEUF DU PAPE
"LA BERNARDINE"

PROPRIETORS AT CROZES-HERMITAGE

CROZES - HERMITAGE.— A red and a white wine, analogous to but lighter than the following. The whites are above all fine and fruity. Red and white. (*Yield 352 gallons to the acre.*) 10°5

CROZES - HERMITAGE. — Vins rouge, et blanc, 10°, analogues aux suivants mais plus légers, surtout les blancs qui sont fins et fruités

Rouge et blanc. (Rend. 40 hl à l'ha.)

CROZES-HERMITAGE

These red and white wines, the first-named emerging from the fruit of the Syrah vine-plant and the second from the Marsanne and the Roussanne vines, are cultivated on the back side of the Hermitage hill, upstream from Tain.

The reds are usually fermented or allowed to work, until the vinous flavour has completely obliterated and destroyed the normal taste of the must. The characteristic aroma of these red wines is that of a mixture of the wild hawthorn with the raspberry.

The white wines are light and carry a hazel-nut perfume. Quite definitely sweet at the outset they become dry as they age. Very slightly tinted in colour they are an incontestable pleasure to the man who knows how to appreciate.

In 1846, the Tasting Committee of the Lyons Vinicultural Congress declared that the Crozes-Hermitage wines so closely resembled those of the Hermitage that it could be affirmed without fear : "If it is not a brother then it is a first cousin"

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

BALGNY (Louis). — Tain L'Hermitage
BAUCHON (Ferdinand). — Tain L'Hermitage.
CAVE COOPERATIVE DES VINS FINS. — Tain L'Hermitage.
CHAIX (Louis). — Crozes-Hermitage
CHAPOUTIER (Michel). — Tain L'Hermitage
CHAVYE. — Crozes

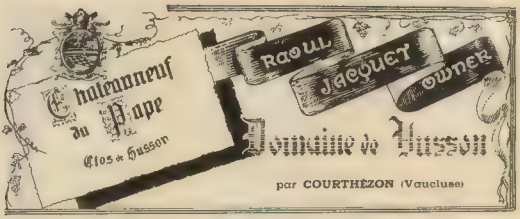
CHIERPE (Vve). — Tain L'Hermitage
DELAS (P.). — Crozes
DELORME (Henri). — Tain L'Hermitage.
FAYOLLE (Vve). — Gervans-Erome
GRAILLOT (Florence). — Tain L'Hermitage
MANDIER. — Crozes
RONDET (Vve). — Crozes-L'Hermitage

"La Bernardine"

M. CHAPOUTIER

PROPRIETOR

Châteauneuf-du-Pape



LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

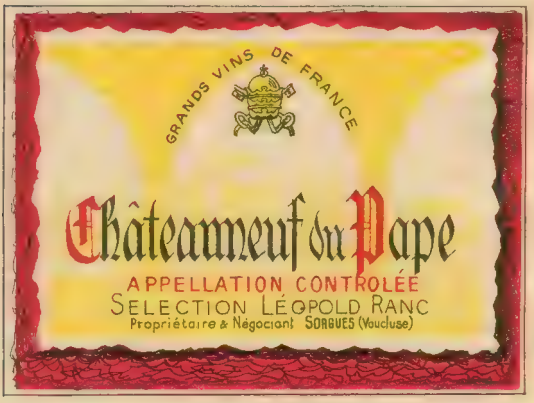
CHATEAUNEUF-DU-PAPE *(Continuation)*

ETABL. DES GRANDES CAVES DE LYON.
ETABL. PERE ANSELME.
EYFFON (Edouard et Théodore).
FABRE (Marius).
FABRE (Michel).
FERROLA (François).
FOURNIER (Paul).
FUSAT (Joseph).
GAYET (Edouard).
GENIEST (Gabriel).
GENIEST (H.).
GINOUX (Raoul).
GIRARD (Alexis).
GIRARD (Vve Paul).
GIRARD (Eugène).
GIRARD (Fernand).
GOUBERT (Albert).
GRANIER (Vve Paul)
GROMELLE (Pierre).
GUICHARD (René).
IMBERT (P.) et PARET (J.).
JOBIN (Arnold)
JACOB (Albert).
JAMET (Alfred).
JACUMIN.
JACUMIN Frères.
JEAN (Marie-Louise).
JEUNE (Théophile).
JEUNE (Marius).
JOUFFRON (Jean).
JOUFFRON (Louis).
JOUFFRON (Marius) (Réserve des Cardinaux).
JOURDAN (Marius).
JOURDAN (Paul).
JULLIAN (Paul).
LAGET (Séraphin).
LATOUR (Henri).
LE ROY DEBOISEAUMARIE (P.) (Château Fortia).
MARCHAND (Joseph).
MATHIEU (Joseph).
MARQUIS (Paul).
MARRET (Eugène).
MARTIN (François).
MAYARD (Alphonse).
MAYARD (Fernand).
MAYARD (Vve Marius).
MESTRE (Frédéric).
MESTRE (Jean).
MICHEL (Gabriel).
MILLET (Arsène).
MONTFORT DE LA SALMONIERE.
MONTY (Vve Félix).
MONTY (Marius).
MONISTIER (Vve Paul).
MOTTE ET MELIN.
MORO (G.).
NAUD-BRESSY.
NICOLET (Henri).
PECOUL (François).
PERGES (Henri).
PHILIBERT (Jean).
PLANTIN (Henri) (Domaine de Mont Redon.)
POINT (Abel).
PONSON (Henri).
PONSON (Marcel).
PRIEUR (Charles).
PAGET (Marius).
PASCAL (Jean).
PUGET (Marius).
QUIOT (Jean).
QUIOT (Justin).
QUIOT (Marie).
RAYNAUD (Bertrand).
RAYNAUD (Louis).
REYNAUD (Léon).
REVOLTIER (Antonin).
REVOLTIER (Casimir).
REBELLIN (F.).
ROBERT (Eugène).
ROBERT (Stanislas).

CLOS DE LA CHARTREUSE
Châteauneuf du Pape
P. IMBERT & J. PARET
Propriétaires à Courthézon
APPELLATION CONTROLÉE

CHATEAU DE LA GARDINE
1er Cru de
Châteauneuf-du-Pape
APPELLATION CONTRÔLÉE
Gaston BRUNEL PROPRIÉTAIRE A CHATEAUNEUF-DU-PAPE VAUCLUSE-FRANCE

Châteauneuf-du-Pape
Vignoble de
Terre Ferme
Propriété de M. Berard
APPELLATION
CONTROLÉE


GRANDS VINS DE FRANCE
Châteauneuf du Pape
APPELLATION CONTROLÉE
SELECTION LÉOPOLD RANC
Propriétaire & Négociant SORGUES (Vaucluse)

CHATEAUNEUF-DU-PAPE.—A great 12°5 red or rosé wine, very full-bodied. The most powerful of our red wines with a "warm" flavour recalling the taste of very ripe grapes and carrying an extremely aromatic bouquet. (Yield 308 gallons to the acre.)

A small production of 12°5 white wines of very variable character but always full bodied and original. (Yield 308 gallons to the acre.)

CHATEAUNEUF-DU-PAPE. — Grand vin rouge et rosé, 12°5, très corsé ; le plus puissant de nos vins rouges, saveur chaude, bouquet très aromatique. (Rend. 35 hl à l'ha.)

Faible production d'un vin blanc, 12°5, à caractères assez variables, mais toujours corsé et original. (Rend. 35 hl à l'ha.)

THE CHATEAUNEUF-DU-PAPE HERITAGE

By BARON PIERRE LE ROY DE BOISEAUMARIE

A fierce sun, stones which seem broiling under one's feet, cicada with their monotonous and unchanging chirp, the penetrating scents of thyme and rosemary, songs of light, an orchestra of perfumes, hymns of life! all this is Chateauneuf-du-Pape, all this is its soil and all this is what is to be found in its purple wine, vibrating and shimmering in the heat and vibrant too with those special and seductive scents which constitue the glory of Provence.

Although the Popes are no longer at Chateauneuf-du Pape, the ruins of their magnificent and grandiose Castle gives it always a peerless majesty. And their wine, the wine of the vines that they planted in the long ago, still fills our glasses ; to such an extent and degree that if the good Pope Boniface (whose praises Daudet

Cave coopérative
des grands crus de
TAVEL
PRÉSIDENT
NARDIN Louis
VICE-PRÉSIDENTS
LAFOND Alfred.
CAPPEAU Denis.
General Secretary
MOISON Auguste
Treasurer
CHAMBON Joel
MEMBERS OF THE BOARD :
MM FARNIER Félix - MEZE Marcelin - CALMEN Paul
LAFONT Félicien - DEMAISON Célestin - TRUC Paul
MINET Marius - THOMAS Paul - VIAUD Gaston
GUILLARD Joseph.
AUDITORS
PILLE Paul - CHAMOUX Alfred
90 MEMBERS

TAVEL
Roquemaure
Tavel
Le Mas d'Oza
Roc Dragon et Hôtel
Vieil des
Comps
Torrette
Le Vieux Moulin
Pont St Esprit
Bagnols
Lirac
Villeneuve
Les Angles
Pujaut
Les Garrigues
Domaine de Fontcaude
Les Pradels
Les Costières
Les Bruyères
Les Pradels
Les Pradels
Les Pradels

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

AVIGNON

GAUTIER ET Fils (S.ffrein).

BEDARRIDES

BRUNIER (J.), Vieux Mas des Papes.

CAIRANNE

FLACHAIRE (P.), Le Bon Clos.
ALARY (F.), Clos de l'Oratoire

GIGONDAS

AMADIEU (P.).
MEFFRE (G.).

LIRAC

CAVE COOPERATIVE.

ORANGE

BICHAT (M.).

VASQUEYRAS

Sté des Gds VINS DES COTES DU RHONE ET DE PROVENCE

ROQUEMAURE

BACON (Marius). — Quartier de Traslepuy.
BROUSSARD (Jean). — Clos de l'Escarcy.
BARBARA (Julien). — Quartier de Clary.
BERLIOZ (Albert). — Clos de Maillac.
BORDAS (Jean). — Château de Bourut.
BOUZON (Louis). Domaine des Sablons.
CHAPPELLE Frères. — Château de Maillac.
CREGUT (Baudile). — Quartier de Truel.
DUBOIS (Edmond). — Château de Bouchassy.
DEVINE (Auguste). — L'Escoudouliere.
FABRE (Auguste). — Quartier de Truel.
GRANIER (André). — Quartier de Traslepuy.
GUINTRAND (Paul). — Le Pesquier.
HUGUES (Louis). — Saint-Joseph.
JEAN (Julien). — La Roubinette, Quartier de Clary,
MAYER (Marius). — Clos Saint-Agricol et de la Montagnolle, Château de Clary.
TAMISIER (François). — Quartier de Truel.
SAINT-CLASSI. — L'Escarcy.
VICENS (Jacques). — L'Escarcy.
LIMASSET (Jean). — Château de Cubières.

Grand Cru des Côtes du Rhône

CHATEAU DE CLARY

CLOS SAINT AGRICOL
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Mme J. LAGRANGE
PROPRIÉTAIRE
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OF ANJOU
HILLSIDES OF
THE LAYON

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THE LAYON HILLSIDES

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BOIVIN (Marcel). — Clos des Ajoncs.
HUET (Eugène).
GJICHOUX (René).
HUET (Henri).
LAMBERT (Auguste). — Clos du Pavé.
MONTI (Vicomte de). — Château des Mines.
ORIOU-BAZANTE.

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RICHARD-JOLIVET.
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LES CRANDES TAILLES

Elie COURBET

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LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

CHATEAU THEBAUD

ARNAUD (Joseph)
COUILLAUD (Julien). — Clos de Chante-Grelle.
MERLET (Lucien).
MONNIER. — Clos des Landes

CLISSON

LECONTE (C.). — Domaine des Dorices-en-Vallet
LE SIMPLE. — La Brebionnière
SAUVION.
MARCHAND (P.). — La Dourie
BABONNEAU. — La Dourie.
PAQUEREAU. — L'Epinay.
PAPIN. — L'Epinay.

CHAPELLE-HEULIN

BAHUAUD (D.)
BONNEAU (H.). — Château du Poyet.
CHARPENTIER (E.) — Les Aveneaux.
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Muscadet

SÈVRE ET MAINE

controlled appellation

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CANTON DE VALLET

LA CHAPELLE-HEULIN

THE SÈVRE AND MAINE

By R. BERTRAND
Président of the Sèvre et Maine Specialised Wine Group

THE activities of the Sèvre-et-Maine specialised wine group are spread over the region of the high and small hills situated on the south bank of the Loire river and along the countryside to the south-east of Nantes which is bathed both by the Nantaise-Sèvre river and by the River Maine of Brittany which gives it its name.

Within this locality are to be found the eighteen parishes and the four cantons (or administrative districts) of Clisson, Loroux, Vallet and Vertou which together constitute its best, or at least its preferred, area of Muscadet production.

Formerly the eastern boundaries of Brittany were confused with those of its vineyards, and were supposed to stop with those on the threshold of the province, of which Clisson and its famous citadel were one of the gates. And here prospered —and always prospers— a very ancient vineyard which a long, long time ago won its "titles of nobility", since its origins appear to date back to almost the beginning of French history, and most certainly to the XIth century.

Although Rabelais gave a good place to Muscadet among the famous crus which surrounded "the Temple of the Divine Bottle", it seems that the Muscadet actually only came much later, but it very quickly imposed itself upon public attention. It knows, as a matter of fact, how to combine within itself, in one harmonious whole, all that *finesse* and that fruitiness which the banks of the Loire seem to dispense, and that slightly rough and secret ardency which is an inherent characteristic of its Britanny home.

This wine, dry and fruity, delicate and light, has won the esteem of all refined palates. It has the rare peculiarity of issuing not from a mixture or blending of the juice derived from several vine-plants, but from one simple cepage only and this also called the Muscadet so that (as in Alsace) the vine and the wine bear the same name.

The appellation of "Sèvre-et-Maine" was requested for this wine by the local viticulturists more than twenty years ago It was ceded shortly after by a judgment of the tribunal and was ultimately confirmed by the decree dated November 14th 1936, which conferred upon it the controlled and irrevocable appellation of "Muscadet Sèvre et-Maine". The local group of specialised wine-men, under the title of a Syndicate of Appellation, devotes itself and its efforts to ensuring that discipline and propaganda which will maintain the high prestige of the Muscadet wine.

POUILLY-SUR-LOIRE AND THE BLANC-FUMÉ WINES

POUILLY-SUR-LOIRE —A 9° white wine produced from the Chasselas, but it never goes beyond an average quality. (Yield 396 gallons to the acre.)

BLANC FUMÉ DE POUILLY or POUILLY FUMÉ and SANCERRE.— These are 11° white wines of excellent quality products of the Sauvignon or of the Blanc Fumé. They are beautifully pale in colour, dry with more or less of the mellowness that comes from plenty of pectic elements, have a very delicate bouquet, a delicate flavour, touched with that suggestion of the "gun-flint" whose originality is very marked in the SANCERRE wines, particularly those of the CHAVIGNOL vineyard.

POUILLY-SUR-LOIRE. — Vin blanc, 9°, produit par le chasselas. Ne dépasse pas une qualité moyenne. (Rend. 45 hl à l'ha.)

BLANC FUMÉ DE POUILLY ou POUILLY FUMÉ et SANCERRE. — Vins blancs, 11°, d'une excellente qualité, produits par le SAUVIGNON ou BLANC FUMÉ. Belle couleur pâle, secs avec plus ou moins de moelleux, bouquet très fin ; saveur délicate agrementée d'un goût de pierre à fusil dont l'originalité s'accentue dans les vins de SANCERRE, surtout ceux du cru de CHAVIGNOL.

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

POUILLY-S.-LOIRE

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LESCHEMELLE et Cie.
MICHEL (H.)
FROHARD.
CHABANNE-BERGER — Au Bouchot
CORDIER (Edmond). — Pouilly-sur-Loire.
DAGUENEAU (L.). — Saint-Audelain.
DAGUENEAU (Prosper). — Pouilly-sur-Loire.
FIGEAT (Lucien). — Aux Loges.
FOUCHER (Raymond). — A Pouilly sur-Loire.
GOUSSE (Maurice). — Au Bouchot
GUYOT (Julien). — Aux Loges.
JACQUEMARD (Edouard). — Aux Loges.
JULLIDERT (G.). — A Pouilly
LADOUCETTE (Baron de). — Château du Nozet.
POIRIER-BABLT. — Saint-Audelain
RENAUD-BOSSLAT
ROMON (René) — Pouilly-sur-Loire
SAGET (Léon) — Au Bouchot
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SANCERRE - POUILLY
CONTROLLED APPELLATION

MAURICE CANTIN
MERCHANT AGENT

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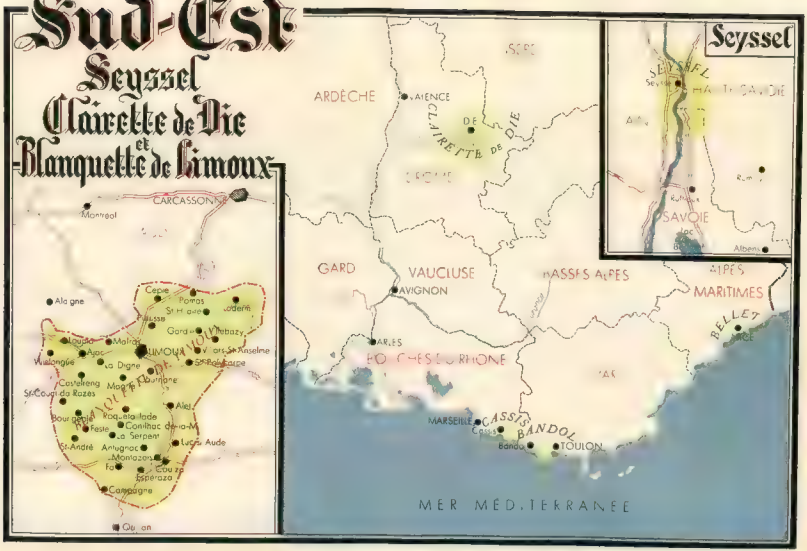
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VALENCE
DIE
CLAIRETTE DE DIE
DRÔME
GARD
VAUCLUSE
AVIGNON
ARLES
BOUCHES DU RHONE
MASSES ALPES
ALPES MARITIMES
NICE
MARSEILLE
Cassis
CASSIS
BANDOL
Bandol
TOULON
MER MEDITERRANEE
Seyssel
SEYSSEL
HAUTE SAVOIE
SAVOIE
Albens

Château Moncontour

WINES RENDERED SPARKLING by the Champagne process

SEMI-SPARKLING WINES

VERY DRY WINES

Vouvray (France)

CRISTAL - VOUVRAY

VOUVRAY MOUSSEUX

CONTROLLED APPELLATIONS

ETABLISSEMENTS VIOLLETTE NEGOCIANTS A VOUVRAY (I.&L.)

VOUVRAY

APPELLATION CONTROLÉE

MARC BRÉDIF

ROCHECORBON (I&L) FRANCE

Vignobles du PEU-MORIER

A. CARRÉ
PROPRIÉTAIRE

VOUVRAY
INDRE-ET-LOIRE

COTEAUX DE SAUMUR

Clos du Chatelier

Petit Clos du Lizonneau

COURCHAMPS

Bellanger - Esnault

PROPRIÉTAIRE

GREAT WINES OF THE SAUMUR HILLSIDES

•

VINEYARD OF THE

"ROTISSANTS DE ST-VINCENT"

VINEYARD OF TEUILLY AND OF THE

"FIEFS GARNIER"

•

Georges Vatan

VINEYARD PROPRIETOR AND VITICULTURIST

•

LE HUREAU-DAMPIERRE-SUR-LOIRE (M.-&-L.)

GREAT WINE OF ANJOU
HILLSIDES OF SAUMUR

VINEYARD OF "CHAINTRES"

Filliatreau Maurice

VINEYARD PROPRIETOR AND WINE-GROWER

DAMPIERRE-SUR-LOIRE (MAINE-&-LOIRE)

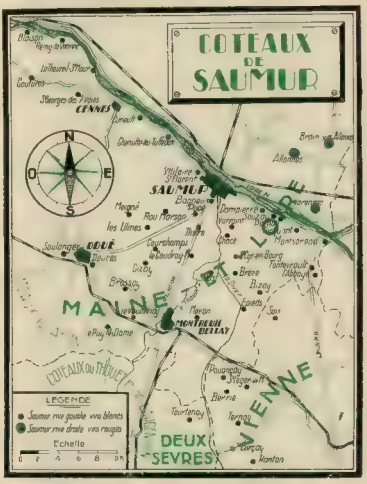
Alfred-Jean Perdriau

VINEYARD-PROPRIETOR AND GROWER

AT DAMPIERRE-SUR-LOIRE (M.-&-L.)

WINES OF ANJOU
HILLSIDES OF SAUMUR

STRICTLY NATURAL WINES WITH
GUARANTEED AUTHENTICITY
"SAUMUR" HILLSIDE WINE


COTEAUX DE SAUMUR
N
O
E
S
SAUMUR
Dampierre
Varrains
Souzay
Parnay
Montreuil Bellay
Turquant
Saumur
Les Ulmes
Rou Marson
Bagneux
Brézé
Bizay
Saint Hilaire
Saint Cyr
Saint Just
Chacé
Varennes
Allonnes
Brain sur Allonnes
Villebernier
Saint Florent
Chênehutte
Cernay
Cunault
Blaison
Gohier
Ingrandes
Le Thoureil
Gennes
Les Rosiers
Les Verchers
Les Ponts de Cé
Les Garennes
Les Hauts de Cé
Les Rairies
Les Rangs de Vaux
Les Rangs de Pierres
Les Rangs de Cénes

HILLSIDES OF SAUMUR
VINEYARD OF KING RENE OF ANJOU

•

GOUGEON TESSIER

Vineyard-proprietor and viticulturist

Château de Morain

at **DAMPIERRE S. LOIRE** (Maine-et-Loire)

PINOT WHITE CABERNET
RED AND ROSÉ WINES

•

In casks and in bottles at the vineyard

F. HENNEQUIN

Coteaux de Saumur

DOUÉ-LA-FONTAINE (Maine-et-Loire)

THE HILLSIDES OF SAUMUR

THE Saumurois vineyard is one of the most beautiful jewels in the viticultural crown of Anjou.

It extends over all the Saumur administrative area. Its choice wines enjoy the appellation of either "Anjou" or of "Anjou-Saumur", whilst the super-appel-lation of "Coteaux-de-Saumur" was added to the most remarkable of them by a judgment of the Saumur Court dated June 28, 1921, and a ministerial decree of November 14, 1936.

The Saumurois has the privilege of being able to present a whole range of light, fresh and fruity wines; white and rosé table wines, half dry, superior; and white and Rosé Cabernet sweet wines; this privileged diversity being due to the geological composition of its soil.

The reputation of its crus is a very old one, since legend and song pretend that the good King Dagobert (year 628) when he came to his villa of the "Dagoberderie" at Douée-la-Fontaine, took avidly to the wines of the district and saw that an ample supply of them was sent each year to his capital.

In *Le Vin de France* (The Wine of France) Mayet recognises that the Saumurois vineyard dates back to the remotest antiquity: "Good wine magnificent cepage" is the lapidary appraisement.

Bourdigne in the "Chronique of Anjou" confirms it in these terms: "The Saumurois country is renowned for the softness, the quality, the beauty, strength and potency of the wines which grow there. To them may be attributed the five conditions which, according to the doctrine of the doctors, are indispensable to health: "*Fortia, formosa, fragantia, frigida, frisca*".

Nerveux, light and semi-sparkling, possessing a finesse and a well-developed bouquet, these grand wines are worthy to appear on the most noble tables.

M. George de Grandmaison, Prior of the "Confrerie of the Sacavins d'Anjou" —a magnificent title for gourmets— has written of the Saumur wines:

"They are, in principle, drier, more *nerveux*, more *male* or virile than the Anjou wines, and the names of the crus are indicative of it. The 'Clos du Chateau la Ripaille' (the Vineyard of the Feasting and Carousing Castle) the 'Bien-Boire' (the hearty-drinking Vineyard), the 'Rotissants' (the Roasters) and so on, indicate the special note of these crus, which, while sacrificing some of the Angevine softness, have none the less a bouquet and an after-taste which causes one to say that, if the Anjou wines are specially suitable for women, then the Saumur wines must be more appreciated by the stronger sex".

Finally, by way of proving that the wines of Anjou and of Saumur have a capacity for keeping perfectly good in years, the same authority relates that in 1931 at the betrothal of his son, certain bottles of Saint-Cyr-en-Bourg laid down in 1825, were opened and the wine was found after that lapse of 106 years, still to possess its alcohol and its liqueur!

Let us hope that we too, at that age, may be in possession of all our faculties.

MAISON ACKERMAN-LAURANCE

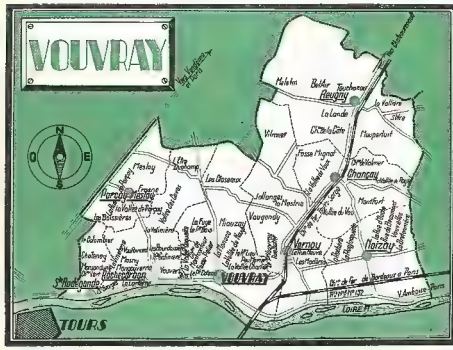
St.-Hilaire-St. Florent (Maine-et-Loire). Est. 1811

Sparkling Saumur

Sole Consignees for Great Britain :

ROBERTSON VILLAR & WATSON LTD

33, EASTCHEAP, LONDON, E. C. 3



VOUVRAY.—An excellent 11° white wine, half-liquorous or mellow, very rarely dry but very fine in quality, agreeably perfumed with a delicate flavour of the quince and carries a fine colour which grows darker as it ages. (*Yield* 396 *gallons to the acre.*)

SPARKLING VOUVRAY.—A 9°5 *wine.* (*Yield* 352 *gallons to the acre.*)

VOUVRAY.—Excellent vin blanc, 11°, demi-liquoreux ou moelleux, rarement sec, très fin, agréablement parfumé, délicate saveur de coing et belle couleur qui se fonce avec l'âge. (Rend. 45 hl à l'ha.)

VOUVRAY MOUSSEUX. — 9°5. (Rend 40 hl à l'ha.)

VOUVRAY

Touraine, so often sung by the poets, so renowned for its charm, for the witchery and harmony of its scenery and the splendour of its past, is symbolised in the Vouvray wine: the "natural" or dry for the connoisseurs who revel in it or the sparkling of "champagnised" which instils happiness and optimism in the heart of all who partake of it.

The wine of Vouvray is not one but many; according to the year, the geographical situation of the vineyard, the nature of the soil and the vinification. Less than any other, is it a "standard" wine. It is capricious in its characteristics. Sometimes potent and full-bodied; sometimes perfumed and soft and sweet; sometimes light and fruity, but always so "gouleyant" (as the French call it) that it can be consumed with an appreciative complacency.

(Parenthetically and because the word is likely to recur fairly often, it may be pointed out here, that the French word "gouleyant" being a colloquialism, is a little difficult to explain to English and American readers. Broadly interpreted, it means that the wine is one which pleases the mouth and the palate, since the word "goule" is a corruption, or at least, a variation of "gueule"or "mouth". Thus a "gouleyant" wine like a "mâché" wine fills the mouth, but it "tickles the palate" in passing, and in short it may be said to be a palatal delight — Editor)

Château Gaudrelle

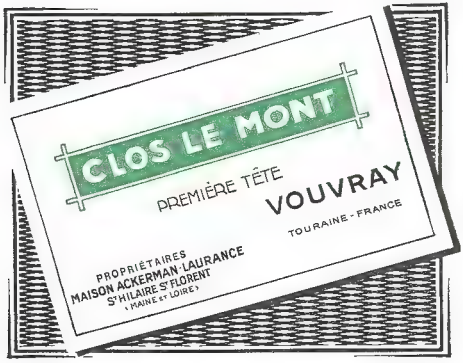
PROPRIÉTÉ DES ÉTABLISSEMENTS

J.-M. MONMOUSSEAU

Société Anonyme au Capital de 6.000.000 de Fr.

VOUVRAY

(Indre-et-Loire)



Château DOISY-VEDRINES

Classified 2nd growth in 1855

J. TEYSSONNEAU

PROPRIETOR

HAUT-BARSAC **SAUTERNES**

From time immemorial the enclosed estate of Vedrines was the property of the Chevaliers of Vedrines. They added to it a contiguous estate belonging to Coutet when the Chateau de Filhot was sold as national property and then they acquired by marriage, a part of DOISY. The combined estate comprised about 63 acres. The last Chevalier preserved the property up to the year 1840.

Thereafter the estate became the property of Messrs Boireau-Teyssonneau and has since remained in the hands of the family.

Situated between Climens and Coutet on the clay-limestone ridge of Haut Barsac, it has been planted with the finest cepages and the vines are most carefully maintained and renewed.

The wines having obtained the highest awards at all the Exhibitions, possess those great qualities of sève (life and goodness) and of finesse and delicacy that one expects of the Sauternes first growths.

Madame Teyssonneau is also the proprietress of the CHATEAU MENOTA in Haut Barsac, with its 38 acres of vines producing wines of the first quality.

CHATEAU JANY
HAUT - BARSAC
APPELLATION CONTROLÉE
MIS EN BOUTEILLES AU CHATEAU
JEAN ESTRADE
PROPRIÉTAIRE
BARSAC

MISE EN BOUTEILLE AU CHATEAU
1937
APPELLATION CONTROLÉE
Haut Barsac
CHATEAU ROUMIEU
Raymond Bernadet

CHATEAU LASCOMBES

2nd. Classified Great Growth

CHATEAU LASCOMBES VITICULTURAL SOCIETY

The Chateau LASCOMBES is the property of a private company of which Mr. Charles Mallet is the Managing director.

The different proprietors of LASCOMBES having always given the most perfect care to the improvement of this vineyard, situated in one of the best parts of MARGAUX, its wine naturally enjoys a great reputation for its delicacy and its distinction, and we are confident that in the hands of its present administrator its renown will increase even more.

In its issue of April 4th, 1938, the newspaper entitled "THE PRODUCER" attested the ancient reputation of the estate in the following lines : "The LASCOMBES estate possesses old vines and very good cepages, on a precious soil ; its wines are reputed to be of such a superior quality that they can rival those of CHATEAU MARGAUX."

Let us conclude by saying that LASCOMBES produces an average of from 120 to 140 hogsheads, which could be easily brought up to from 200 to 220 hogsheads by utilising the first quality lands which have remained uncultivated for some years past.

Louis ALBERT-GAYRIN, Manager MARGAUX (Gironde)

A.CLAVERIE
CONDOM EN ARMAGNAC
(GERS)
ARMAGNAC
Armagnac
VIEUX
A.CLAVERIE
CONDOM EN ARMAGNAC
GERS - (FRANCE)
OLD

THE GENUINE

ARMAGNAC

IS TO BE FOUND IN THE QUALITIES

ARMAGNAC
VIEUX
du Domaine de Lafitte

Armagnac

TOCOI SE GAOUSOS

des

Cadets de Gascogne

Armagnac

du PRIEURÉ

DE LA

SOCIÉTÉ DES

GRANDES EAUX-DE-VIE D'ARMAGNAC

CONDOM (GERS)

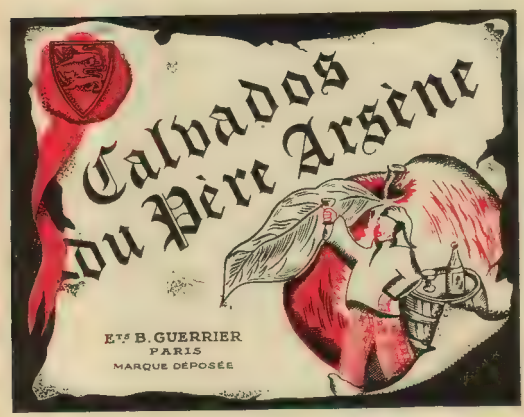
CALVADOS

The appellation of origin regulating CALVADOS is exclusively reserved to the eaux-de-vie or spirits of the PERCHE CALVADOS, the MORTAIN CALVADOS, the CALVADOS of the RISLE district, the CALVADOS of the BRAY country, the COTENTIN CALVADOS, the CALVADOS of AVRANCHE, the CALVADOS of DOMFRONT as well as to the blendings of these spirits among themselves or with the eaux-de-vie of the CALVADOS of the AUGE district.

The spirits regulated by the above named decree must carry as the only indication of guarantee the simple words "regulated by decree".

L'appellation d'origine réglementée CALVADOS est exclusivement reservée aux eaux-de-vie de CALVADOS DU PERCHE, CALVADOS DU MORTANAIS, CALVADOS DU PAYS DE LA RISLE, CALVADOS DU PAYS DE BRAY, CALVADOS DU COTENTIN, CALVADOS DE L'AVRANCHIN, CALVADOS DU DOMFRONTAIS, ainsi qu'aux coupages de ces eaux-de-vie entre elles ou avec les eaux-de vie de CALVADOS DU PAYS D'AUGE.

Les eaux-de-vie réglementees par le décret ci-dessus devront porter comme seule mention de garantie, les mots « réglementée par décret ».



CALVADOS
Calvados Boulard
BOULARD
TVETOT (NORMANDIE)

COTES D'AGLY.— The basic musts are obliged to shew a minimum of 14°. (Yield 308 gallons to the acre.)

Les moûts de base doivent titrer au minimum 14°. (Rend. 35 hl à l'ha.)

NATURAL SWEET WINES
COTES D'AGLY
Doctor BENET
At TAUTAVEL (Pyrénées Orientales)

The Chateau of Caladroy is an estate of 1500 acres, 250 acres of which are planted with vines whilst the remainder is covered by a forest of green oaks.

Its schistous soil is specially suitable for the production of naturally sweet wines and for highly renowned liqueurs.

CHATEAU DE CALADROY

GRAND NATURALLY SWEET WINES OF THE AGLY HILLSIDES

Doctor BOBO, PROPRIÉTAIRE

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LES GRANDS CHAIS ST. MICHEL

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COGNAC

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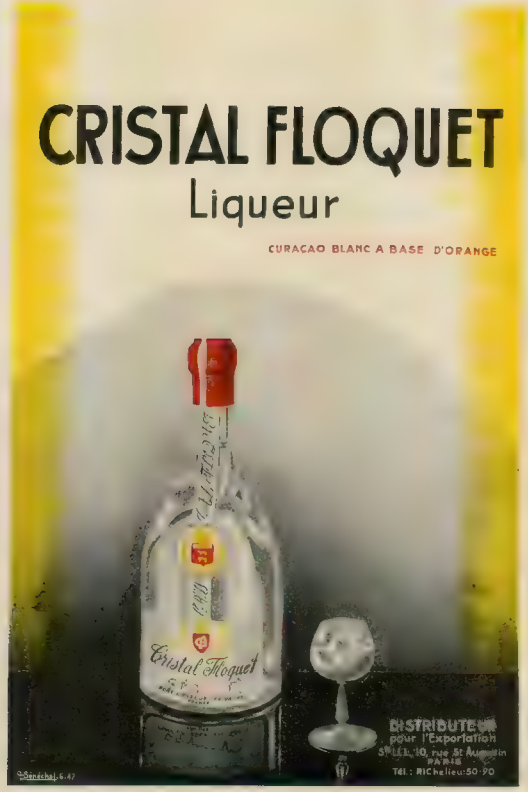
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Cristal Floquet
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DIRECT AGENTS FOR THE BEST WINES AND SPIRITS WHICH FOR CENTURIES HAVE MADE THE REPUTATION OF FRENCH QUALITY

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COGNAC
CHAMPAGNE ☆ ARMAGNAC
EAUX-DE-VIE ☆ BRANDIES
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COGNAC
MIRABELLE
DE
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PRUNELLE

VIEUX MARC

EAUX-DE-VIE DE BOURGOGNE

GRANDS VINS DE BOURGOGNE

PROPRIÉTAIRE

DE GRANDS CRUS

SAINT-GILLES
COGNAC
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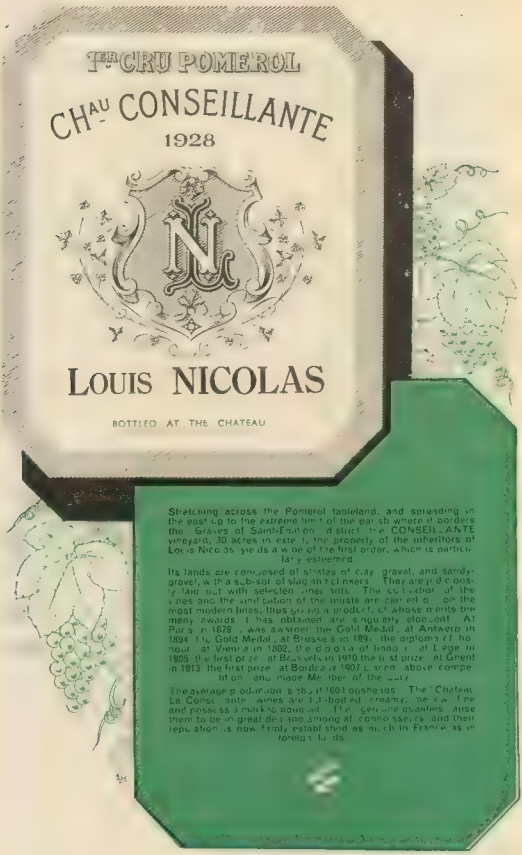
VINS DE BORDEAUX
SAINT EMILION
APPELLATION CONTROLÉE
SAUTERNES
APPELLATION CONTROLÉE
MARCEL GOULARD
NÉGOCIANT-EXPORTATEUR
SOCIÉTÉ ANONYME
BORDEAUX

CHATEAU

The Chateau Millet which was completely reconstructed in 1882 by the great architect, Léo Drouyn, originally belonged to Count Ravez. It is situated not far from the Garonne river in the centre of a vast vineyard. Surrounded by a magnificent park, it is the admiration of all visitors, as much for the sumptuous wealth of its apartments, its splendid library of over 3000 very ancient volumes, its fine Gothic Chapel, as for the seductive panorama and the grandiose spectacle of the Garonne which unfolds itself to the eye from the terrace of the Chateau Millet.
Its wines have always enjoyed a great reputation, in France, in England, in Germany, in Belgium and in Holland. The vineyard 100 acres in extent is planted with the best cepages in a sand and gravel soil, and its crop attains an average of 600 hogsheads. Both the white and red wines of this grand vineyard are distinguished by their remarkable vigour and ssapo, by their intense delicacy and perfect balance, by their fine ageing and keeping capacity—all elements which explain the high favour in which they are held throughout the world. Their reputation among the greatest wine connoisseurs is already established
MILLET
H. de la Mette
PROPRIETOR
PORTETS
(Gironde)



Stretching across the Pomerol tableland, and spreading on the east up to the extreme limit of the parish where it borders the Graves of Saint-Emilion district, the CONSEILLANTE vineyard, 30 acres in extent, the property of the inheritors of Louis Nicolas, yields a wine of the first order, which is particularly esteemed.

Its lands are composed of strata of clay, gravel, and sandy-gravel, with a sub-soil of slag and cinders. They are planted closely and cut with selected vine shoots. The cultivation of the vines and the vinification of the musts are carried on on the most modern lines, thus giving a product, of whose merits the many awards it has obtained are singularly eloquent. At Paris in 1878, it was awarded the Gold Medal; at Antwerp in 1894 the Gold Medal; at Brussels in 1897 the diploma of honour; at Vienna in 1902 the diploma of honour; at Liège in 1905 the first prize; at Brussels in 1910 the first prize; at Ghent in 1913 the first prize; at Bordeaux 1907, seven above competition and Grand Prize Member of the Jury.

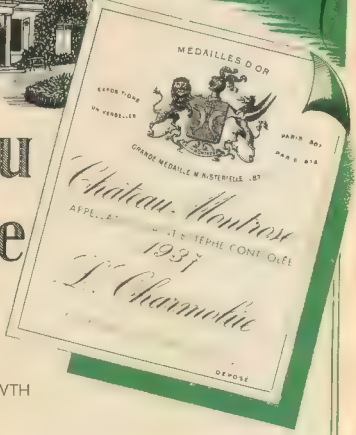
The average production is about 1601 to the tons. The Chateau La Conseillante wines are full-bodied, creamy, delicate and possess a marked bouquet. The genuine qualities cause them to be in great demand among all connoisseurs, and their reputation is now firmly established as much in France as in foreign lands.

Château Cruzeau

Sables St. Emilion

The Château CRUZEAU, situated in the lower part of St-EMILION comprises a vineyard planted with the very finest cepages, producing velvety wines of the highest quality, remarkable for their splendid constitution and the long duration of their bouquet. The normal production of this vineyard is between 60 and 80 hogsheads.

2e GRAND CRU CLASSÉ



Château Montrose

M. ALBE CHARMOLÜE
PROPRIÉTAIRE

CLASSIFIED
SECOND GREAT GROWTH

MADAME CHARMOLUE
Proprietress

Monsieur Marcel BORIE
Manager

THE CHATEAU MONTROSE, one of the classified grand Medoc second growths, was acquired in 1896 by Mr. Charmolue, a Medoc landowner who, for 25 years, exercised the functions of Mayor of the important parish of St. Estèphe. The Chateau is situated in Saint-Estèphe and its estate comprises a large vineyard which runs down gently towards the river.

The Chateau itself is as fastidious as an Italian Villa; from it one obtains a superb view along the river and of the Saintonge hillsides. Large and well equipped buildings serve as stores, and cellars where the excellent wines of the vineyard are kept until they are bottled.

The estate is remarkable by the way it is laid out. Although it comprises one single block, the vineyard is divided into large separate squares, separated from each other by wide pathways and planted with special cepages appropriate to the geographical situation, but mostly the White Cabernet and the Sauvignon-Cabernet. As a result of this most practical method of laying-out, the great Montrose cru deserves to be cited as a model vineyard. The carefully chosen cepages, the nature of its gravelly soil, its special exposition to the sun, all these things are contributory elements to which it owes the great reputation and the appreciation which it now enjoys.

The finest connoisseurs place its wines at the head of the crus of its class and category, a well-merited distinction, because of the regularity of its quality, but equally so, because of its analogy with the great Chateau Latour products which rank as the first great growths of Pauillac. "Montrose say the expert wine-lovers "is the St. Estèphe Latour" and surely no finer, more exact or worthier compliment could have been paid it!

Since the death of Mr. Albe Charmolue, the administration and management of this large property has fallen upon Mr. Marcel BORIE, a former Mayor of Pauillac.

Its production is between 320 and 400 hogsheads or say 16 000 and 20 000 gallons annually

F. VAUVRECY
PROPRIÉTAIRE
MONTAGNE
St EMILION
Château
Moulin Blanc
1er Grand Cru
Montagne
Saint-Émilion
APPELLATION CONTROLÉE
Fernand VAUVRECY
Propriétaire
CHATEAU MOULIN BLANC

CHATEAU PICHON-LONGUEVILLE

2e GRAND CRU CLASSÉ

PAUILLAC (HAUT-MÉDOC)

CHATEAU ROQUEGRAVE

THE CHATEAU ROQUEGRAVE and its vineyard are situated on one of the highest points in the parish of Valeyrac, and both overlook the great Gironde river.

The soil of that part of the vineyard planted with white wine producing plants is constituted of clay and gravel and is red in colour (indicating the presence of a considerable amount of iron) with a gravelly and stony subsoil. The site indeed may be said to have been a veritable rock of quarry-stones and so much was this the case that the top layer of the stone had to be broken up and removed in order to facilitate the cultivation of the vine. THE CHATEAU ROQUEGRAVE derives its name from the local words "roque" meaning rock of stones and "grave" the two elements which make up the upper and over stratas of this soil.

This vineyard, marvellously exposed to the sun, is planted exclusively with the finest cepages — the Semillon, Sauvignon and the Muscadelle — which have created since all time the high renown of the great Sauternes wines. The harvest effected on the same lines and by the same methods as in the Sauternes country generally yields a wine of rare and of exquisite finesse combined with plenty of sap, and, according to the years, is either rich in glycerine elements or is half-dry.

The red wine vineyard, situated on gravelly ridges or hillsides, is also exclusively planted with the choicest cepages (the Cabernet Sauvignon Msibec, Merlot and Verdot) in carefully studied proportions. Thus these well-constituted wines, having a delicate spirit, and the exact amount of tannin as well as a beautiful colour are ripe when bottled an excellent bouquet, delicate and perfumed which causes them to be always in great demand.

THE CHATEAU ROQUEGRAVE wines which have always taken one of the first places in those of the districts, and incontestably the first and foremost place with its white wines, thanks to a rigorous selection of the choice of cepages and the best methods of vinification, have acquired the highest favour of their purchasers.

DOMAINE DE MAISONNEUVE

Property of the Macquin Inheritors, the domain of Maisonneuve (The New-House Estate) forms with the estate of Chateau St. Georges-Macquin, one continuous and single vineyard. Its old and well established reputation is due to its clay and chalky soil, and to its choice cepages which are planted in the most propitious geo raphical situation.

St GEORGES - St EMILION

ST. GEORGES-ST. EMILION.—Another 10°5 red wine comparable with the Second Growth ST. EMILIONS. Generous, highly coloured, with a good bouquet and a very marked finesse. (*Yield 370 gallons to the acre.*)

Vin rouge, 10°5, peut se comparer aux 2mes crus de SAINT-ÉMILION. Vin généreux, coloré, bouqueté et d'une assez grande finesse. (Rend. 42 hl à l'ha.)

SAINT-GEORGES - SAINT-ÉMILION

By MARC NICOULAUD
President of St-Georges St-Emilion Viticultural Syndicate

Saint-Georges, a little parish with a clayey-siliceous and clayey-lime-bearing sub-soil borders on to Saint-Emilion. It is remarkable in another respect. There have been discovered here interesting traces of the poet Ausone, who in the IVth century occupied a villa, upon the ruins of which the Chateau Saint-André-Corbin was subsequently built.

For instance archeologists are now able to admire here, two Carrara marble statuettes of Diana and Venus, each just over 2 feet high, which once belonged to the celebrated poet.

Many tourists make a stop at Saint-Emilion in order to pay a visit to its XIth century church with its really remarkable belfry.

But what makes the renown of St. Georges, are its fine, generous, perfumed and unctuous wines, appreciated as those of St. Emilion and sold on the market under the appellation of "Saint-Georges-Saint-Emilion".

V. PONTY-DEZEIX

PROPRIETORS OF THE VINEYARDS

CHATEAU DU PAVILLON

HAUT - GROS - BONNET

CHATEAU GRAND RENOUIL

COTES CANON - FRONSAC

The Chateau du PAVILLON and the Chateau GRAND RENOUIL, situated on the Canon Fronsac hillsides, are planted with the best cepages and produce each year approximately 200 hogsheads of an extremely "warm" and fruity red wine. These wines which owe their quality to a large variety in the soils and to a most careful vinification, rest and age for a number of years in the stores, before being delivered to a particularly faithful clientele, in the North of France, Belgium and Holland.

THE CHATEAU OF "LA LOUVIÈRE" was acquired at the end of the XVIIIth century by Mr. J.B. Marcilhac, then Mayor of Bordeaux and head of one of the most important firms in the Bordelais wholesale trade. It was he who caused to be built the present Chateau on the plans of Louis, the celebrated architect of the Bordeaux Theatre.

The estate passed out of the hands of Mr. J.B. Marcilhac, into those of Mr. Belus Marcilhac, Officer of the Legion of Honour, and then into those of his son, Mr. Alfred Marcilhac, who was Mayor of Léognan and a Chevalier of the Legion of Honour. Since 1911, it has belonged to Mr. Alfred Bertrand Taquet, formerly Mayor of Léognan and a Commander of the Legion of Honour.

The Chateau "La Louvière" is surrounded by 188 acres of land of which 65 acres are devoted to vines and the remainder constituted by meadows, arable lands, warrens and gardens. Several springs feed numerous ponds and drainage-docks with a flow of approximately 8,750 gallons of water every 24 hours. The vineyard which abuts on to Haut-Brailly, situated on a varied soil, sometimes gravelly sometimes siliceous and sometimes chalky, has been improved in its siliceous part by abundant marl-pits situated on the estate. It has been entirely improved or reconstituted with fine cepages, under the wise direction of Mr. Alfred Marcilhac, who in 1869 at the competition of the Gironde Agricultural Society won the Ministerial Gold Medal offered for the best-kept vineyard in the department.

The most perfect care brought since that time to the vinification and the cultivation of the vine by the present proprietor, who has neglected nothing in order to maintain the reputation of these wines, has increased the already ancient renown of this cru, which obtained, a first honourable mention at the Universal Exhibition held in London in 1862; several Medals at the Exhibitions in Cologne in 1875, Antwerp in 1885, Brussels in 1888; a Grand Gold Medal at the Universal Exhibition held at Paris in 1889, a First Prize at the St. Louis Exhibition in 1904, a Gold Medal and Diploma at the Liège Exhibition in 1905 and a Gold Medal at the International Exhibition at Bordeaux in 1907.

A further list of awards are:

Gold Medal, London Exhibition 1933 and Brussels 1910

Placed "Above Competition" and made a Member of the Superior Jury at Ghent Exhibition in 1913.

Placed "Above Competition" at International Exhibition at San-Francisco in 1915.

Placed "Above Competition" and made President of the Jury at Casablanca in 1915.

Placed "Above Competition" and made President of the Group Jury at Strasbourg Exhibition in 1919.

Placed "Above Competition" and made President of the Group Jury at the Monaco Exhibition in 1920.

President of the Jury, Hors Concours ("Beyond Competition") or First Prize at the Exhibitions of:

Beyrouth	1921	Madrid	1927
Canada	1921	Athens	1928
Marseille	1922	Rotterdam	1928
Rio de Janeiro	1922	Frankfurt	1928
Riga	1922-1923-1924	Cairo	1929
Copenhagen	1923	Barcelona	1929
Helsingfors	1924-1925	Luxembourg	1929
London	1925	Liege	1930
Strasbourg	1924	Antwerp	1930
Paris (Decorative Arts)	1925	Oran	1930
Grenoble	1925	Paris (Colonial)	1931
Paris (French Wines)	1922	Utrecht	1932-1933
		Brussels	1935

In the year 1937, "La Louvière" its park and its vineyards were objects of special admiration by the members of the XIth International Press Congress, during their excursion through the vine-growing district of Graves.

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J. Deletage, 43, rue Poyenne, Bordeaux.

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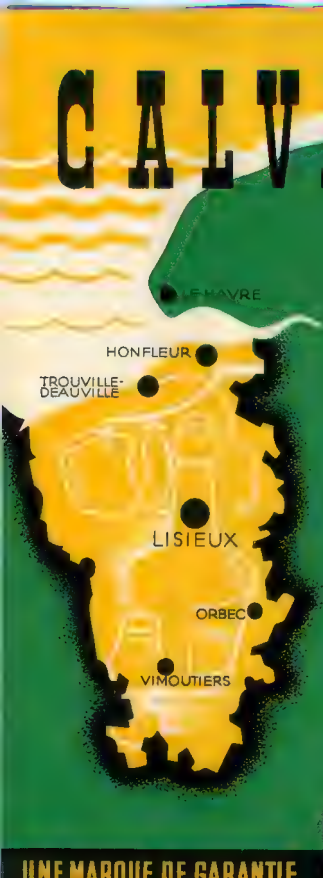


Normandy enjoys a world-wide reputation for the quality of its agricultural products. Its cattle-breeding and stock-farming has carried its name across the seas. Its cheese production is equally appreciated as far as the tropics. Its eaux-de-vie or spirits of cider recalled to America cider-brandy in particular are highly esteemed by a most exacting clientele. The production of these spirits already well known in the XVIth century became the objects of a very considerable trade and commerce during the XVIIth and the XVIIIth centuries. That is attested by the following extracts from a book by Louis Duval entitled: **The State of the Treasury Sub-Division of Alençon under Louis XIV.** (See Introduction Page LI XVII)

In 1704 the Control er General fixed at 2 sous 10 sols per litre the tax on the eaux-de-vie and stated that this amount too small for the treasuries of Rouen, Caen and Alençon in view of the great importance of the manufacture of eau-de-vie from cider.

Eventually the eaux-de-vie or cider-brandy presented under the denomination of Calvados obtained from the alembic with fronts devoted to coming from certain reputed orchards, became the object of constant and assiduous care on the part of their producers.

At the head of these appellations of origin stands without question the cider-brandy known as the " Calvados du Pays d'Auge " (the Calvados coming from the rich Auge Valley). There immediately afterwards there follows the general group of Calvados coming from the various sections of Normandy mostly in the order of " Calvados du Calvados ", Calvados du Domfrontais ", " Calvados du Percheron ", Calvados du Merlerault ", Calvados de l'Avranchin ", " Calvados du Cotentin ", Calvados du Pays de la Risle and Calvados du Pays de Bray.

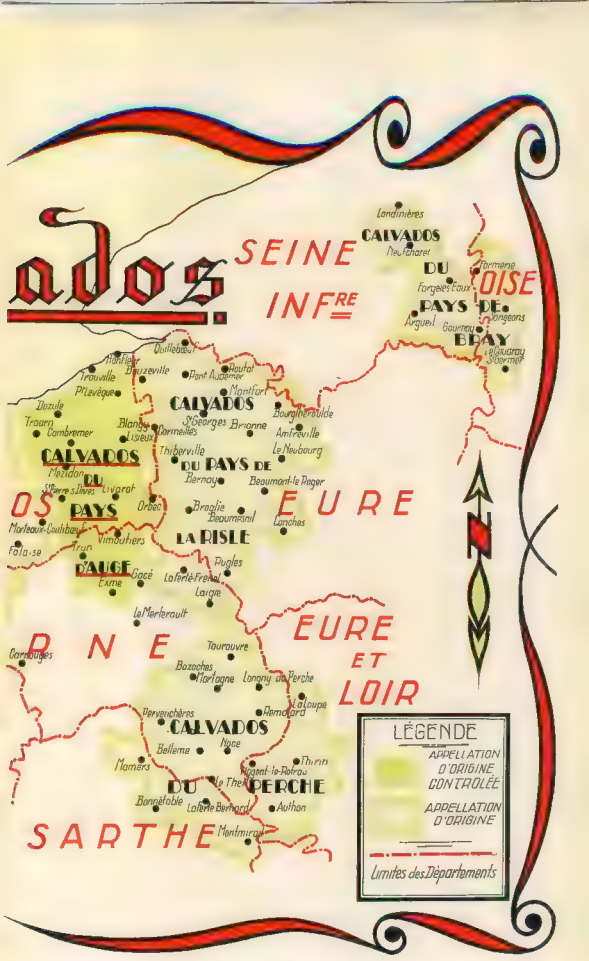
The most difficult meticulous and hard-to-please consumers of Calvados can find at their favourite the cider-apples are grown, or among the bonded warehousemen in the producing districts under brand essays of a very high gustative value.

A quite laudable rivalry and emulation exists between the different personal marks or individual brands and their producers and merchants.

The irregularity of the cider crops threatened to compromise Normandy agricultural economy in which some 140 000 orchards or farms or other cultivations and no less than 1 500 000 inhabitants are personally interested.

Thanks to the production of the various types of Calvados reserve stocks of which are accumulated during long years either at the farms or in the bonded warehouses the productive crop from the 14 000 000 cider-apple trees in the Normandy orchard enjoys a steadiness and constancy that the use of the fruit for the sole of the cider without distillation could not procure.

UNE MARQUE DE GARANTIE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INFRE
Landinières
CALVADOS
Neufchatel
DU
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Songeons
Lyons-la-Forêt
Vexin
Quillebeuf
Honfleur
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Le Neubourg
Thiberville
DU PAYS DE
Bernay
Beaumont-le-Roger
CALVADOS
DU
PAYS
D'AUGE
LA RISLE
Vimoutiers
Pugles
Exmes
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Bacilly
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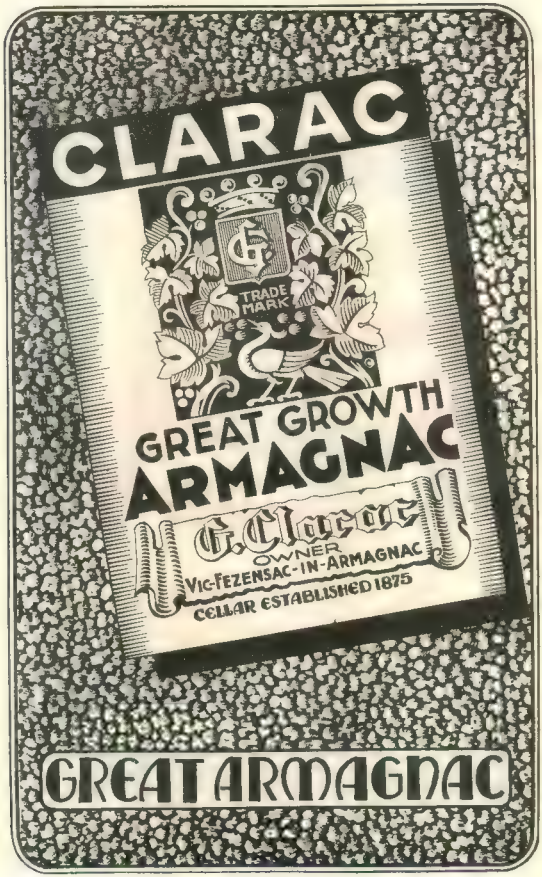
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DAUPHINOISE

LES GRANDES LIQUEURS DES ALPES FRANÇAISES

LIQUEURS, RUMS AND APPETIZERS

French liqueurs are classed in several categories.

The first are the ordinary liqueurs which contain only 10° of sugar, 18° of alcohol and in which the perfumed spirits are sometimes replaced by distilled aromatic water.

The "double" liqueurs so-called are rare. They receive a much greater quantity of perfume. They can be diluted, but only with the greatest care and precaution in order to obviate the formation of what is called "a milky tint".

The "demi-fines" (that is to say the half fine) liqueurs are characterised by a greater percentage of alcohol and sugar whilst the "fines" liqueurs are richer and even more perfumed still.

The super-fine liqueurs have acquired a very considerable vogue in France for a long time past thanks to the perfection of their production, to their delicious flavour, to their soft sweetness and mellow enchantment. They are the richest in all the essential elements. Certain of them are refreshing and are then denominated "fraîches liqueurs" or in other words either chilled or cooled liqueurs.

It is no exaggeration to say that our great French cities are today famous all over the world thanks almost entirely to the renown of their celebrated liqueurs.

At Bordeaux in the course of the XVIIIth century, a charitable lady named Marie Brizard devoted herself to caring for and tending the sick and the infirm. Touched by her assiduity and devotion one of her patients before dying as an evidence of his gratitude left her what to him was the most precious thing he had ever possessed: it was a recipe for a liqueur. In order to comply with the dying man's wishes, Marie Brizard caused the prescription to be dispensed and of its digestive qualities came as a surprising revelation. At first she determined to reserve her supplies of this precious elixir for distribution among her sick patients, but the fame of the new potion had spread and every one wanted to taste it. As usual with an innovation they proceeded to wrang effervescently about it. Limpid as a diamond, creamy as unctuous oil this wonderful liqueur spread more generally among the grand-mothers of our race, the salutary effect of an aged wine with its very penetrating perfume. For the base of the recipe was indeed an aged wine. Thus the name of Marie Brizard became and remains synonymous with aniseed a sanctification due to its quality, its high percentage in sugar, its rich perfume reflected from the great variety of plants which compose it, in the very heart of which predominates the green anise so dear to the Arab world because of its digestive virtues. It appears at the end of a meal like some fresh and tender perfumed bonbon whose aroma maketh glad the heart of man.

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MARKS OF THE SOCIETY

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Sparkling wine

ROYAL CAHUZAC
Sparkling wine

HAUT SALETTES
Old wine

CRU St-VINCENT
Old wine

SUPER MOZAC
Quality wine

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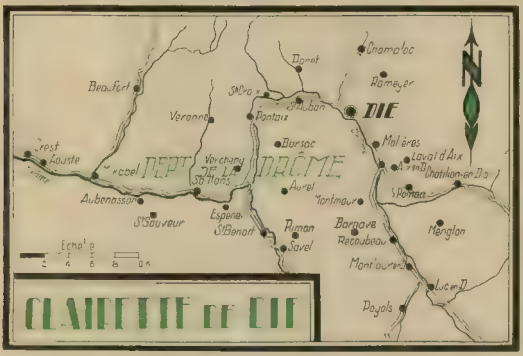


CLAIRETTE DE DIE.—Excellent 10°5 sparkling wine with a Muscat flavour. (Yield 352 gallons to the acre.)

Excellent mousseux, 10°5, à saveur de muscat. (Rend. 40 hl à l'ha.)

THE CLAIRETTE OF DIE

THE Drôme-Valley is bordered with sun-drenched chalky hills, on which for the whole distance from Châtillon up to Saillans there grow two cepages bearing golden grapes. They are the Clairette and the Muscat.

A mixture of the wines produced from these two kinds of grapes results in the renowned cru of "The Clairette of Die", which it is almost superfluous to add, has maintained a celebrity since the most ancient times. Pliny in one of his works avows that "the Roman Emperors held the "Clairette de Dea Augusta" (which was the Roman name for Die) in high esteem".

In the course of the centuries which followed, this wine never lost that renown, as is demonstrated by the fact that in the records of the Middle Ages it appears at the very top of the welcoming presents which were offered to the Bishop when he made his entry into the town.

Clearly then "the Clairette of Die" knew a very ancient fame, and it is one that has been confirmed and extended in our own times, since so many viticulturists have abandoned the practice of selling it in cask and offer it now only in bottles. This enables them to offer to a much larger clientele a sparkling wine whilst preserving intact its qualities of fruitiness and of limpidity.

For many years past, the Clairette of Die has attracted the attention of connois-

METHODE

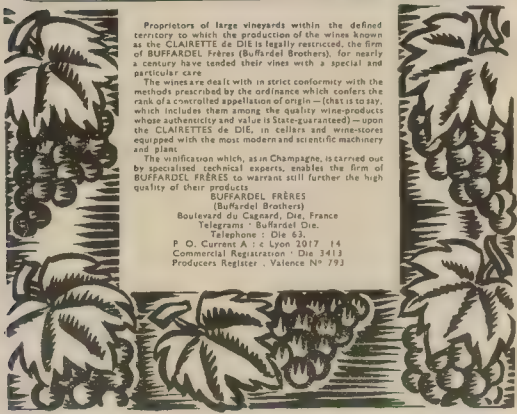
SYNDICAT VITICOLE DE LA CLAIRETTE DE DIE

CHAMPENOISE

Clairette de Die

APPELLATION CONTROLÉE

BUFFARDEL Fres DIE (FRANCE)



Proprietors of large vineyards within the defined territory to which the production of the wines known as the CLAIRETTE de DIE is legally restricted, the firm of BUFFARDEL Frères (Buffardel Brothers), for nearly a century have tended their vines with a special and particular care.

The wines are dealt with in strict conformity with the methods prescribed by the ordinance which confers the rank of a controlled appellation of origin — (that is to say, which includes them among the quality wine-products whose authenticity and value is State-guaranteed) — upon the CLAIRETTES de DIE, in cellars and wine-stores equipped with the most modern and scientific machinery and plant.

The vinification which, as in Champagne, is carried out by specialised technical experts, enables the firm of BUFFARDEL FRÈRES to warrant still further the high quality of their products.

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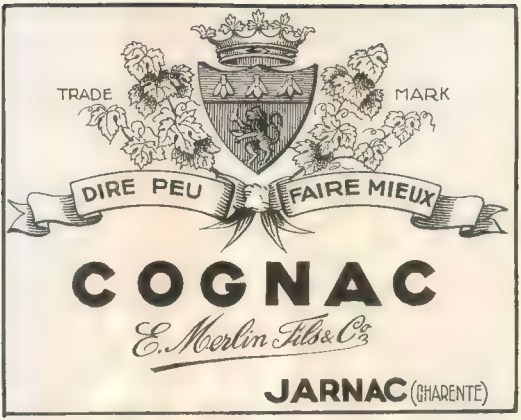
(Buffardel Brothers)
Boulevard du Cagnard, Die, France
Telegrams : Buffardel Die.
Telephone : Die 63.
P. O. Current A/c : Lyon 2017 14
Commercial Registration : Die 3413
Producers Register . Valence N° 793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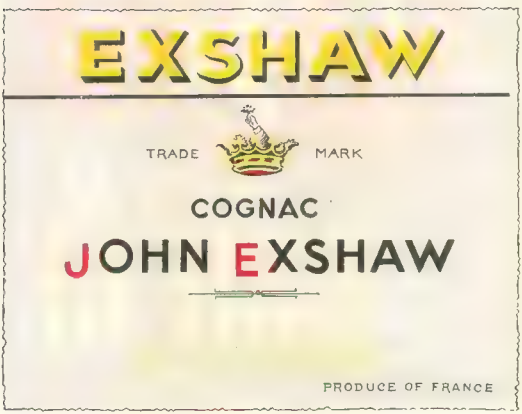
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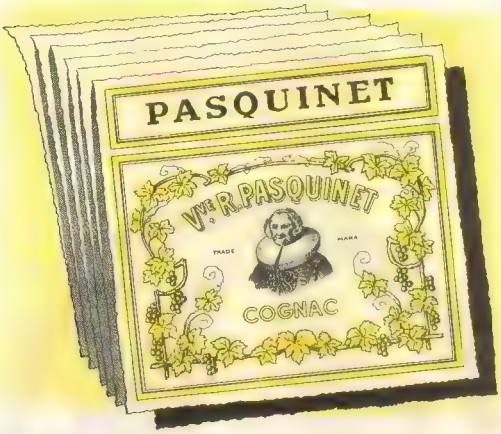

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GABRIEL MEFFRE
PROPRIÉTAIRE-NÉGOCIANT
à GIGONDAS (VAUCLUSE)

SOCIÉTÉ DES GRANDS VINS DES CÔTES DU RHÔNE ET DE PROVENCE

S. A. R. L. CAPITAL 1 500.000 FRS

SUCCESSEURS DE A. BERNARD

VACQUEYRAS (VAUCLUSE)

TÉLÉPHONE 3 & 31 VACQUEYRAS

LIQUEURS, RUMS AND APERITIFS.

The firm of Garnier which was founded in 1859 at Enghien, at the very gates of Paris, is one of those types of French family concerns which since its establishment eighty-eight years ago, has had the ingenuity to produce a complete scale of liqueurs. Indeed it offers the liqueur-lover an incomparable selection of more than thirty elixirs. For example there is: Curaçao both sweet and dry, Prunelle (sloe gin), Green Menthe or Peppermint, Cherry Brandy, Blackberry Brandy; Kummel of Baltic origin, Crème de Cacao (Cocoa cream) and Maraschino. In a so numerous family there is of course always one favourite and here it is the 'Abricotine' or early apricot liqueur known as "the finest Apricot Brandy" which owes its special taste to the succulent small apricots grown in the smiling valleys of the Ile de France.

In this way the House of Garnier which had the idea of realising the old dream of the Middle Ages alchemists in seeking to discover as an universal panacea a liquid gold for drinking) created what is called the "Liqueur d'Or" or the Liqueur of Gold which took its name because it was embellished with pretty little flakes or spangles of "pure" (sic) gold to be seen when the bottle was shaken.

This firm has developed to a much higher degree than most others, the idea of original presentations. Its receptacles are not only glass bottles but earthenware decanters, whilst its crystal containers characterised by the most exquisite French artistic taste make of these multi-coloured liqueurs a really exceptional collection.

Dijon is the cradle of a remarkable Cassis — a liqueur prepared from black-currants — launched in the middle of the last century, but it is to the firm of Lejay-Lagoutte who discovered the actual recipe, that this liqueur with its remarkable gustative and hygienic properties, owes its growing vogue. The Cassis liqueur possesses, as a matter of fact, a very marked velvetiness, exempt from all asperity, with aromatic astringent diuretic, stimulating and tonic properties.

We have the good fortune to be able to collect from the Duchess of Clermont-Tonnerre the definition of the Crème de Cassis that she gave it in her *'Almanach of Good Things'*. "Excellent liqueur, very warm, sweet, which after having flown down the volcanic Burgundy, leaves on the palate a gentle note like a minor trill which finishes a Bach fugue".

For a long time past, thanks to its appetising virtues, the liqueur of Cassis has been consumed mixed with white wine or vermouth.

DEBRISE
ESTABLISHED 1844
DF
QUALITE FAIT FORCE
DEBRISE
TRIPLE SEC
LIQUEUR
DEBRISE
LA PLAINE-ST-D
PARIS-FRANCE
LA
CORREZIENNE
Liqueur
DEBRISE
PARIS-FRANCE

Domaine de la Valette

1er Cru du Beaujolais

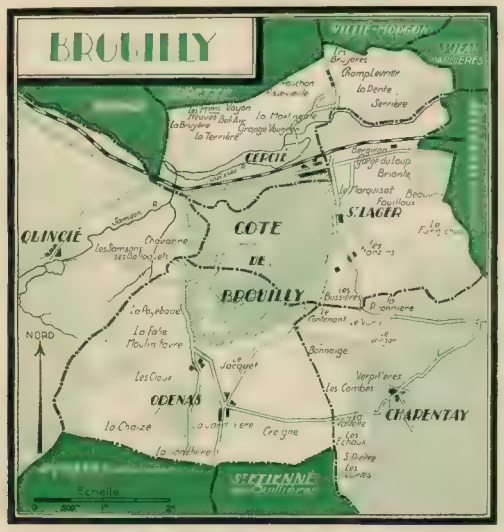
SÉBASTIEN BONNIEU
PROPRIÉTAIRE
CHARENTAY (Rhône)
Appellation Brouilly Contrôlée

MÉDAILLES D'OR AUX CONCOURS GÉNÉRAUX AGRICOLES DE PARIS

LIST OF THE PRINCIPAL PRODUCERS PROPRIETORS OF THE CONTROLLED APPELLATION VINEYARDS

COTES DE BROUILLY *(end)*

NESME (Jean-Claude). — Quincié.
PARDON (Jean Louis) — Cercié.
PESSOT (André), Saint Lager.
PLASSARD (Benoit). — Cercié.
POYET (Anatole). — Odenas.
RAMPON (Philibert). — Odenas.
RAVER (Jules) — Saint-Lager.
RAVIER (Veuve) — Cercié
RENAUD (Benoit). — Odenas.
ROI (Albert). — Odenas.
ROLLAND (Charles). Odenas.
ROLLAND (Louis). — Saint-Lager.
RUET (Francisque). — Saint-Lager.
RUET (Jacques). — Saint-Lager.
RUET (Louis). — Saint-Lager.
SAINT-TRIVIER (Baronne de) — Odenas
SANVERS (Jean). Odenas
SIGAUD (Veuve). — Saint-Lager.
TEILLARD (Mlle Eugénie). — Odenas.
TRIBOULET (Claude). — Saint-Lager.
TRICHARD (Pierre). Saint-Lager.
VACHOT (Gabriel). — Odenas.
VALETTE (Joseph). — Saint-Lager.
VIALLON (Joseph). — Saint-Lager.
VINCENT (Philibert) — Saint-Lager.
VINCENT (Joseph). — Saint-Lager.
VIORNERY (Benoit). — Odenas.
VIVIER (Veuve). — Cercié.



BROUILLY.— A 10° *full-bodied red wine with plenty of alcohol, a little* nerveux *but with abundant sap and a definite taste of fresh grapes. (Yield* 352 *gallons to the acre.)*

BROUILLY. — Vin rouge, 10°, « corsé, alcoolisé, un peu nerveux, mais si savoureux avec son goût de raisin frais ». (Rend. 40 hl à l'ha.)

DOMAINE du MARQUISAT

PASQUIER-DESVIGNES

St-LAGER *VINEYARD PROPRIETORS* (RHONE)

The " DOMAINE OF MARQUISAT " has been the property of the PASQUIER-DESVIGNES Family since 1420. The Mansion shown above, was built in 1823, on the same site as the old house pulled down in 1815. The cellars of the DOMAINE counted among the most important in Burgundy are at three underground levels. These cellars were dug in a dry, healthy soil and their depth protects them against variations in temperature thus the ageing of the wines is carried on in the best conditions.

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Oporto — Melbourne, Australia — Toronto, Canada, etc.

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LONDON DRY 70° PROOF

Scotch Whisky

70° PROOF

SPEY ROYAL *A blend of the finest Scotch Whiskies. Guaranteed old matured.*

Cognac Brandy

70 PROOF

LOR-EX ★★★ *French Cognac Brandy produced in the finest region of the Cognac district.*

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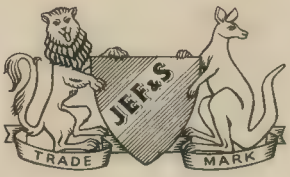
GILBEY'S INVALID *Full Vintage.*
"TRIPLE CROWN" **ALTODOURO** *Tawny.*
OLD J *Finest Old Tawny.*

Sherries

BONITA *Rich Golden Oloroso.*
L "LUCANO" *Pale Dry Amontillado.*
EL MIO *Amontillado Superior, Magnificent Old Wine.*

Head Office: GILBEY HOUSE, OVAL ROAD, REGENT'S PARK, LONDON, N.W.1



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for a Century

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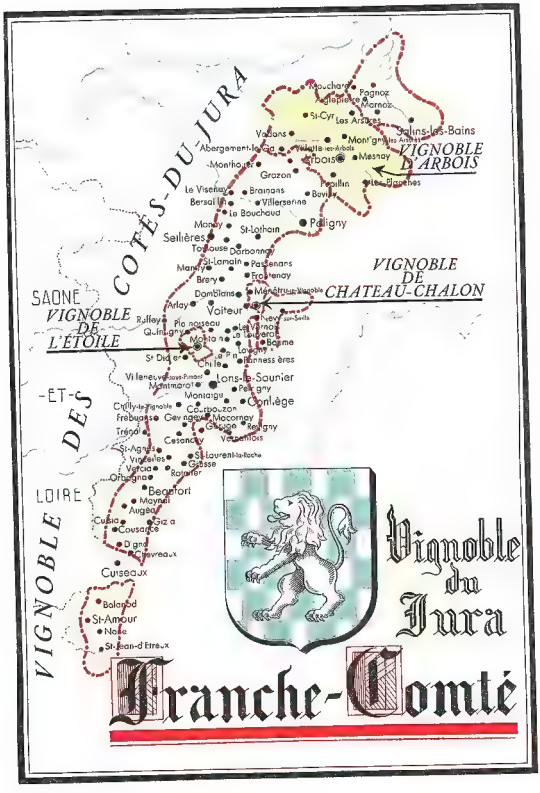
Vin Blanc

FONTAINE DU CHEMIN

Vin Rosé

LES FILS D'ÉMILE IMBERT
PROPRIÉTAIRES-VITICULTEURS

CASSIS
SUR – MER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Vignoble d'Arbois
Vignoble de Château-Chalon
Saône et Loire
Vignoble de l'Étoile
Vignoble des Côtes-du-Jura
Arbois
Poligny
Salins-les-Bains
Lons-le-Saunier
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St-Jean-d'Etreux
Vignoble du Jura
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Telegraphic address :
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Post Office account n°
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Commission and Contract

Succursale :
COUFFOULEUX-
RABASTENS

Branch Office

Tél. Couffouleux N° 6

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GEORGES COURANT & SES ENFANTS

COGNAC

CHARENTE (FRANCE)

2059

GUSTAVE CROTTE

PROPRIÉTAIRE-RÉCOLTANT

VINEYARD OWNER AND VITICULTURIST

Moulin-à-Vent

G. CROTTE, propriétaire-récoltant
ST-GEORGES-en-BEAUJOLAIS (Rhône)

DIRECTOR OF THE

STÉ VINICOLE BEAUJOLAISE

SAINT-GEORGES-DE-RENEINS (Rhône)

MACON.—Red and Rosé 9° light, with plenty of vigour and aromatic savour as well as bouquet. (*Yield 440 gallons to the acre.*)

MACON SUPERIOR or followed by the name of the parish from which it comes. (*Yield 396 gallons to the acre.*)

MACON or PINOT-CHARDONNAY-MACON.—10° white wines dry but supple, sufficiently well-bodied, and agreeably perfumed. (*Yield 440 gallons to the acre.*)

SUPERIOR WHITE MACON or followed by the name of the parish of origin. *—A 10° white.* (*Yield 440 gallons to the acre.*)

MACON.— Vins rouge et rosé, 9°, légers, séveux et bouquetés. (Rend. 50 hl à l'ha.)

MACON SUPÉRIEUR *ou suivi du nom de la commune d'origine.* (Rend. 45 hl à l'ha.)

MACON ou PINOT-CHARDONNAY-MACON. — Vins blancs, 10°, secs mais souples, assez corsés, agréablement parfumés. (Rend. 50 hl à l'ha.)

MACON BLANC SUPÉRIEUR *ou suivi du nom de la commune d'origine.* — Vin blanc, 10°. (Rend. 50 hl à l'ha.)

J. MOMMESSIN

PROPRIÉTAIRE-NÉGOCIANT

A LA GRANGE Ste PIERRE

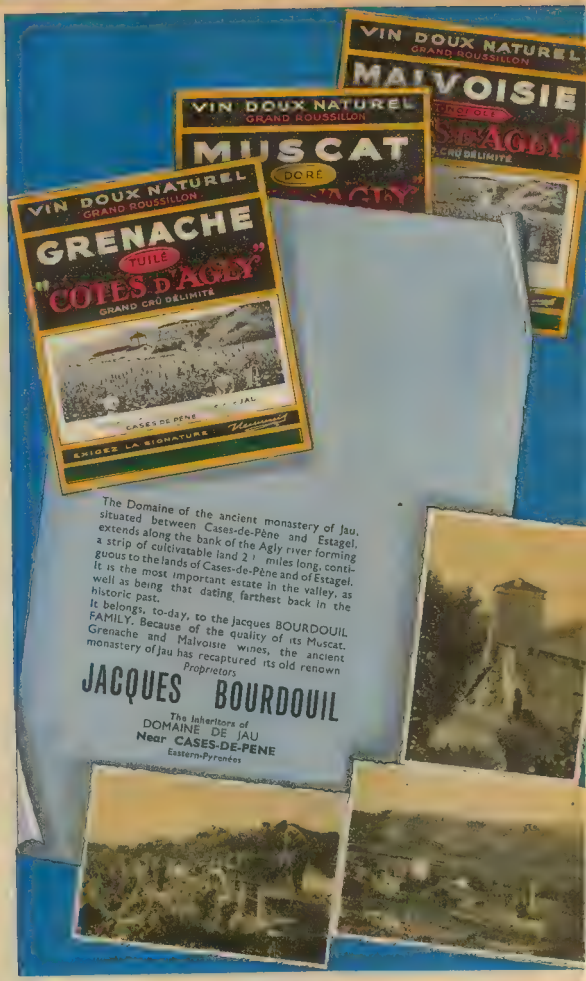
MACON (S.&L.)

TÉLÉPHONE : 0.27

MAISON FONDÉE EN 1865

Propriétaire du "CLOS de TART" à Morey St Denis (Côte d'Or)

Propriétaire à SOLUTRE-POUILLY Appel^on Pouilly-Fuissé.



The Domaine of the ancient monastery of Jau, situated between Cases-de-Pène and Estagel, extends along the bank of the Agly river forming a strip of cultivatable land 2½ miles long, contiguous to the lands of Cases-de-Pène and of Estagel. It is the most important estate in the valley, as well as being that dating farthest back in the historic past.

It belongs, to-day, to the Jacques BOURDOUIL FAMILY. Because of the quality of its Muscat, Grenache and Malvoisie wines, the ancient monastery of Jau has recaptured its old renown

Proprietors

JACQUES BOURDOUIL

The Inheritors of
DOMAINE DE JAU
Near CASES-DE-PÈNE
Eastern-Pyrenées

LA MAISON DU VIN
LES GRANDS VINS DU ROUSSILLON
NEGOCIANT BOULEVARD S^T ASSISCLE PERPIGNAN

CASTELL-BARRIA
This wine emanates from the vineyards and has been allowed to age in the cellars of my Estate and Castle of Baria, which is the classified First Cru of the delimited district of Haut (High) Roussillon.
In witness whereof I have affixed my seal
RENE MITJAVILL
POLLESTRES HAUT-ROUSSILLON
RENÉ MITJAVILE
PROPRIETOR
POLLESTRES
HAUT-ROUSSILLON

HAUT ROUSSILLON TERRITORY (*Appellation COTES DE HAUT-ROUSSILLON*).—*The Basic musts must weigh a minimum of* 14°. (*Yield* 308 *gallons to the acre.*)

Les moûts de base doivent titrer au minimum 14°. (Rend. 35 hl à l'ha.)

LES FILS D'EUGÈNE SAUVY

VINE-GROWERS

Successors to **SAUVY VILAR AINÉ**

All correspondence must be addressed to M. J.-E. SAUVY, 7, Bd Wilson, PERPIGNAN

The "Domaine de l'Esparrou" at Canet (Pyr.-Or.) has been well-known for its Black Grenaches since 1800.

The estate of Mas Sauvy at Villeneuve de la Raho produces excellent Malvoisies and White Grenaches. Its cellar still possesses old Macabées, bottled in 1848.

LES GRANDS CRUS RÉGIONAUX

vous présentent leurs vins
sélectionnés par les caves du

Château du Nozet

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Key to French Cellars

PAROR

U.S.A. AGENCY
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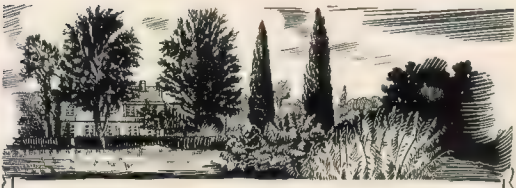

Domaine de St Honoré

Proprietor : The MARQUIS de LORDAT

at La Londe-les-Maures (Var)

Situated at the southern extremity of Provence, and lying on sun-drenched and schistous hills, the "Domaine de St-Honoré" is specialized in :

the Clairette fine and dry white wines,
the Grenache Rosé mellow wines,
the Cinsaut or the Carignan graduated and savorous Rosé and Red wines.

PARMI LES GRANDS CRUS DE PROVENCE

LES DOMAINES

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CHATEAU DE SELLE
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CRUS CLASSÉS "MISE AU CHATEAU"

PRIT VITICULTEUR à TARADEAU et LA LONDE les MAURES Provence
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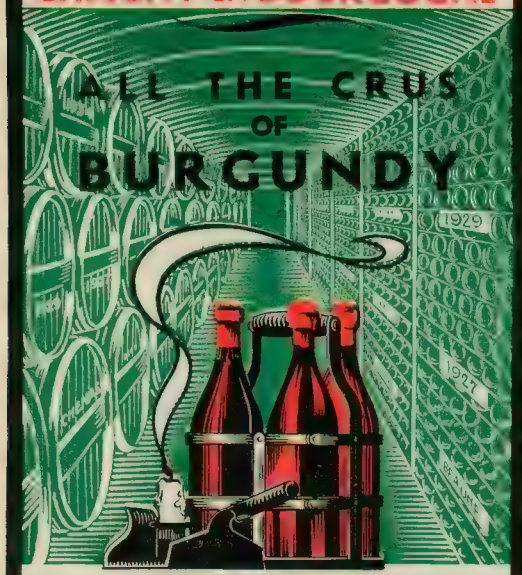

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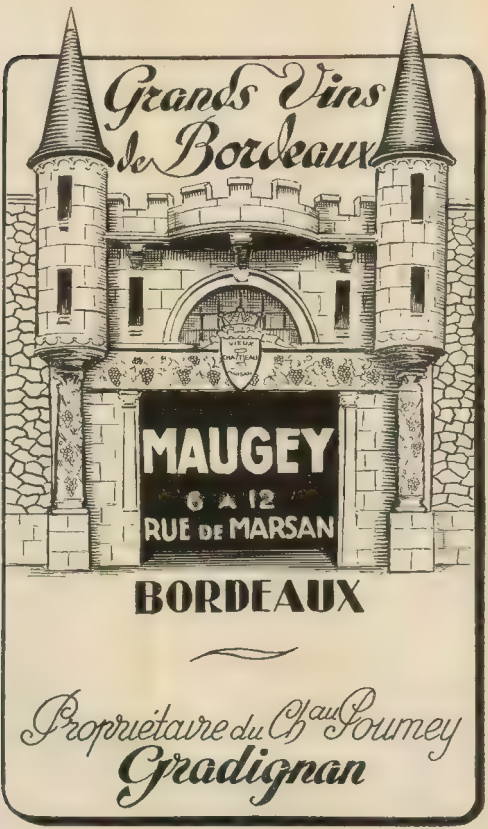
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de Bordeaux
MAUGEY
6 A 12
RUE DE MARSAN
BORDEAUX
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Créateur du Cassis de Dijon

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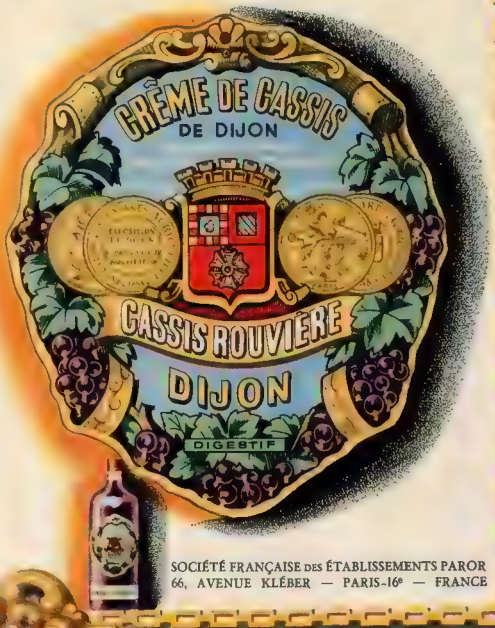

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SPARKLING VOUVRAY.—*A 9°5 wine.* (*Yield 352 gallons to the acre.*) VOUVRAY.—Excellent vin blanc, rr°, demi-liquoreux ou moelleux, rarement sec, très fin, agréablement parfumé, délicate saveur de coing et belle couleur qui se

VINS DE CHAMPAGNE

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AND OF BOURGOGNE
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ST-GEORGES de RENEINS (Rhône)
Director Gustave Grotte
Proprietor and Wine-Merchant

Les rands ins de urancon

Crus Roger Lanta

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(BASSES-PYRENEES)
TEL: MONEIN 29 & 31

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AUVERGNE
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Verdun
Cordes
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MUSCAT de FRONTIGNAN
Vic la Gardiole
Frontignan
Sète
MER MÉDITERRANÉE
Collioure
Port Vendres
Banyuls sur Mer
Cerbère
Argelès-sur-Mer
St André
Canet
Perpignan
Cabestany
Saleilles
St Nazaire
Villeneuve de la Raho
Corbères les Cabanes
Thuir
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Terrats
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Passa
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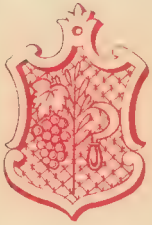
ALSACE GREAT WINES



G. ZEYSSOLFF

ESTABLISHED 1778

GERTWILLER

near BARR-ALSACE

UN GRAND CRU
CHATEAU BOUSCAUT
CADAUJAC

1st GREAT GROWTH OF GRAVES

VICTOR PLACE Proprietor.

THIS important estate is situated between Léognan and Martillac, six and a quarter miles from Bordeaux, on a rich gravelly hillside having a subsoil of strongly chalybeate clinkers. It is this geological formation which gives the wines produced here, those precious qualities which have enabled them to be classified at the head of the Graves wines and makes of both the red and white wines the prototypes of the wines of this region.

The Foreman of the Jury for the Prize of Honour expressed himself as follows: This almost exclusively viticultural estate is superbly maintained. It may be said that in its totality, vines, wines, stores, have reached perfection; admirably well-situated, its various parts arranged with perfect regularity, provided with modern and luxurious cellars and wine, receptacles, it makes an instant impression upon the visiting agriculturist with a desire for progress. The average production amounts to 600 hogsheads per annum.

Among the numerous awards which the Chateau Bouscaut has obtained, there may be mentioned, the Gold Medal at the St.-Louis (U.S.A.) Exhibition in 1904; the Gold Medal at Liege in 1905; special prize for the best kept Gironde vineyard in 1921; the highest award in the competition for the Ministry of Agriculture's prize of honour in 1926; repetition of the 1921 First Prize and Bronze Medal given by the Minister of Agriculture at the Antwerp Grand-Prix of 1930.

The Chateau Valoux, situated between the Chateau Bouscaut and the Chateau Carbonnieux of Léognan, also belongs to the same proprietor; it is one of the oldest vineyards in the district and its wines are highly appreciated by the Trade.

I GREAT GROWTH OF GRAVES

CADAUJAC, PRÈS BORDEAUX

VICTOR PLACE, PROPRIÉTAIRE

In 1904 : GOLD MEDAL, St.-Louis U.S.A.

In 1905 : GOLD MEDAL, Liége.

In 1921 : FIRST PRIZE, of Agricultural Society.

In 1926 : Vineyard obtained highest award at competition for the Prize of Honour of Ministry of Agriculture.

In 1930 : Repeat of FIRST PRIZE of 1921. Silver Gilt Medal of Ministry of Agriculture.

In 1930 : GRAND PRIZE at Antwarp.

About 7 miles to the South of Bordeaux.
Main Highway Nat. N° 10.

Postal Address : Cadaujac (Gironde)

Telegraphic Address : Place-Cadaujac (Gironde).

Phone : Cadaujac N° 1

CHATEAU BOUSCAUT

Stamp on cork

Colour

Stamp on case

NATIONAL MAZDA LAMP MERCHANDISING AIDS

Freight, 1½ Times First Class

THE FOUR STAR PLAN OF GOOD MERCHANDISING

All of the most successful merchants use the Four Star Plan. It consists in nothing but simply applying the four first principles of good merchandising to store operation. This Four Star Plan is not just a way of selling more lamps, it's a way of selling more goods of all kinds in any store that sells lamps

STAR 1

WINDOW DISPLAY

Making more sales through your store-front and windows. This includes everything that can be done with the store window or store front to identify it as a place where National Mazda Lamps are sold. It is the means of telling people, of stopping them and drawing them into the store.

A monthly window trim service covering every angle of lamp and lighting sales appeal. Each trim is timely and in colors; Special Mahogany finished frame for these trims consists of three sections hinged together to give a winged effect; large center section accommodates a 28x42 in. poster; each of the two side wings accommodates a 21x28 in. poster.

This service is on a $5.00 a year subscription basis and upon receipt of money the three-panel frame and one trim will be immediately supplied; thereafter a trim will be sent each month until the total of twelve trims has been furnished.

Each

No. F1305A—Three-panel Frame and Monthly Posters for same .....Net $5.00

STAR 2

LAMP DEMONSTRATOR

A demonstrator for the new five lamps is now available. It is a valuable aid to put across the new lamps, giving the agent a wide open opportunity to talk lightly to his customers. Furnished Without Lamps.

Each

No. F1305B—Five Lamp Demonstrator, complete with Five Tumbler Switches and a Tester, Cord and Plug.....Net $5.00

No. F1305C—Eleven Lamp Demonstrator, complete with Eleven Tumbler Switches, and a Tester, Cord and Plug.....Net 10.00

STAR 3

HOW ARE YOU FIXED FOR LAMPS?

The "How Are You Fixed For Lamps?" slogan is intended quite as much to remind the dealer to ask people to buy as it is intended to remind customers of their lamp needs.

Each

No. F1305D—Door Transparency, Telephone Card and Counter Card are available with this slogan.....Free

STAR 4

Star Four stands for making more sales thru going outside for them. The best way to get new business is to go out and call on prospective buyers. This effort is considerably aided by first conducting mail campaigns to arouse interest and break down sales resistance. There are available any number of campaigns on almost any activity. As a further aid to beyond the store business, newspaper ads, lantern slides, booklets on store and factory lighting, and on special subjects are available. Portable projection machines with films on store, home and industrial lighting are a great help to use when calling on prospective buyers.

BLUE CARTON LANTERN

A new marker of Green Bronze with Glass Panels that reproduce the Blue Carton. Height Overall 14 in.; Extends 18 in. from Store Front

Each

No. F1305E—Complete with Bracket, Lead Covered Cable and Waterproof Socket .....Net $5.00

RECIPE CARD, ETC.

There are many pieces of material available which will help the dealer sell the New Mazda Lamps. A lighting recipe card with recommendations for the proper new lamps to use in lighting the home should hang right by every dealer's lamp stock.

Each

No. F1305F—Price Cards, Folders and other material are available to every National Mazda Lamp Agent.....Free

All Above Numbers F. O. B. Cleveland, Ohio, except No. F1305E, F. O. B. Meriden, Conn.

Freight, 1½ Times First Class

NATIONAL MAZDA LAMPS

BRYAN-MARSH

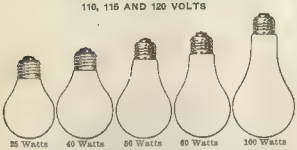
Lists Effective September 1, 1926

Note—In Ordering, Be Sure to Specify Voltage and Wattage Wanted

NEW STANDARD LINE

GENERAL LIGHTING SERVICE

110, 115 AND 120 VOLTS



25 Watts 40 Watts 50 Watts 60 Watts 100 Watts

The following new lamps represent the latest development in incandescent lamp manufacture. Outstanding points of superiority over all other types are:

1. **Easily Cleaned.** The frosting is on the inside and the bulb therefore does not gather dirt.
2. **Better Lighting.** Splendid diffusion is obtained with such small loss of light that these lamps are to be used in place of all clear as well as frosted lamps.
3. **Stronger.** These lamps are much more rugged than the lamps they will supersede. Breakage will be appreciably less.
4. **Attractive Appearance.** The pearl-gray bulb is pleasing in appearance and harmonizes with any background color.
5. **Simplified Stocks.** Five types replace more than forty old types and sizes in the 115 volt class.

Inside Frosted

Watts	Bulb	Screw Base	Std. Pkg. Quantity	Each
15	A-17	Medium	120	*$0.20*
25	A-19	Medium	120	*.23*
40	A-21	Medium	120	*.23*
50	A-21	Medium	120	*.25*
60	A-21	Medium	120	*.25*
100	A-23	Medium	24	*.40*
		220 VOLTS		
25	A-19	Medium	120	*$0.28*
50	A-21	Medium	120	*.28*
100	A-23	Medium	24	*.50*
		28-32 VOLTS		
15	A-17	Medium	120	*$0.30*
25	A-19	Medium	120	*.30*
50	A-21	Medium	120	*.32*
100	A-23	Medium	60	*.47*

Flame Tint

110, 115 AND 120 VOLTS

25	A-19	Medium	120	*$0.28*
40	A-21	Medium	120	*.28*

Colored Lamps (Coated)

Red, Blue, Green, Yellow and Amber-Orange Colors

110, 115 AND 120 VOLTS

25	A-19	Medium	120	*$0.33*

Sign, Clear Blue

25	A-19	Medium	120	*$0.43*
50	A-19	Medium	120	*.43*

Daylight, Inside Frosted

110, 115 AND 120 VOLTS

60	A-21	Medium	120	*$0.45*
100	A 23	Medium	60	*.65*

Train Lighting Service

30 TO 34 VOLTS—60 TO 65 VOLTS

15	A-17	Medium	120	*$0.30*
25	A-19	Medium	120	*.30*
50	A-21	Medium	120	*.32*
100	A-23	Medium	60	*.47*

Orders should specify the individual Voltage required and be marked Train Lighting to distinguish from country home lighting lamps

585

SIGN LIGHTING LAMPS

WITH MEDIUM SCREW BASE

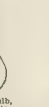
Used on Regular Multiple Lighting Circuits

S11 Bulb

110, 115, 120 AND 125 VOLTS

Clear

Watts	Bulb	Length Overall, In.	Stand Pkg. Quan.	Each
10	S14	4⅝	120	*$0.23*
		Blue		
15	S14	4	200	*.37*
		MILL TYPE, Clear		
50	P19	..	120	*.25*
		220, 230, 240 AND 250 VOLTS		
		Clear		
25	P19	.	120	*.30*
50	P19	.	120	*.30*



PS25 Bulb, 75 Watts

PS25 Bulb, 100, 150 Watts

TYPE C; GAS FILLED

FOR STANDARD LIGHTING SERVICE

110, 115, 120 AND 125 VOLTS

Clear

WITH MEDIUM SCREW BASE

150	PS30	7¼	24	*$0.60*
200	PS30	8⅝	24	*.80*
300	PS35	9¾	24	*1.20*
		WITH MOGUL BASE		
300	PS25	9⅝	24	*1.25*
500	PS40	10	12	*2.00*
750	PS52	13⅝	8	*3.75*
1000	PS52	13⅝	8	*4.80*

PS25 Bulb

DAYLIGHT LAMPS

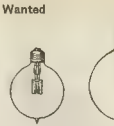
FOR STANDARD LIGHTING SERVICE

Made of **Special Blue Glass** to produce light approximating daylight quality; Used for Stores, Offices, Display Windows and Factories.

110, 115, 120 AND 125 VOLTS

WITH MEDIUM SCREW BASE

75	PS22	6⅛	50	*$0.65*
100	PS25	7¼	24	*.80*
150	PS35	7⅛	24	*1.00*
200	PS30	8⅝	24	*1.30*
		WITH MOGUL BASE		
300	PS35	9¾	24	*1.85*
500	PS40	10	12	*2.85*



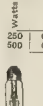
G30 Bulb G40 Bulb

FOR FLOOD LIGHTING SERVICE

Clear

115, 120 AND 125 VOLTS

Watts	Bulb	Length Overall, In.	Stand Pkg. Quan.	Each
250	G30	5⅛	24	*$1.75*
500	G40	7¼	12	*3.25*



T10 Bulb

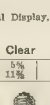
FOR SHOW CASE LIGHTING

TUBULAR

Special Display, Signs, etc

Clear

25	T10	5⅝	60	*$0.45*
40	T 8	11⅜	24	*1.15*

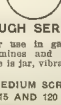


PROJECTION LAMPS

115 AND 120 VOLTS

Tubular

Watts	Bulb	Centers, In.	Stand Pkg. Quan.	Each
250	T14	8	24	*$1.65*
500	T20	3	6	*3.00*
1000	T20	4½	6	*5.50*



ROUGH SERVICE

Made for use in garages, mills, factories, mines and other places where there is jar, vibration or rough usage.

WITH MEDIUM SCREW BASE

110, 115 AND 120 VOLTS

Watts	Bulb	Stand Pkg. Quantity	Each
50	A-21	120	*$0.40*

NATIONAL MAZDA LAMPS

BRYAN-MARSH

Lists Effective September 1, 1926

Freight, 1½ Times First Class

NOTE—In Ordering, Be Sure To Specify Voltage and Wattage Wanted

DECORATIVE TULIP BULB

115 AND 120 VOLTS

Flametint

Watts	Bulb	Screw Base	Std. Pkg., Quantity	Each
25	F15	Medium	60	$0.55

Frosted

25	F15	Medium	60	.55

G18½ Bulb, 15, 25 Watts, Round

G25 Bulb, 25 to 40 Watts, Round

All Frosted

FOR ORNAMENTAL LIGHTING SERVICE

110, 115, 120 AND 125 VOLTS

Watts	Bulb	Length Overall,In	Std Pkg., Quantity	Each
15	G18½	3⅝	120	$0.40
25	G18½	3⅝	120	.40
25	G25	4¾	60	.60
40	G25	4¾	60	.60

B9½, Style B

D10, Style D

T8, Style E

G16½, Style G

MINIATURE CANDELABRA LAMPS

Mazda Type B; Candelabra Screw Base, Style 500

For Candelabra and Ornamental Lighting Fixtures

110, 115, 120 AND 125 VOLTS

Style	B	D	E	G
Watts	15	15	15	15
Type and Size Bulb	B9½	D10	T8	G16½
Diam. Bulb, In.	1½	1⅛	1	2½
Maximum Over-all Length, In.	3¾	3⅝	3¾	3½
Clear, Each	$0.60	.60	.60	.60
All Frosted, Each	.60	.60	.60	.60

10 Lamps in Unit Package, 100 Lamps in Standard Package

G18½ Bulb, G25 Bulb, 25, 40 Watts

Flame Tint

FOR ORNAMENTAL LIGHTING SERVICE

Gives a soft Orange Light without Glare

110, 115, 120 AND 125 VOLTS

Watts	Bulb	Length Overall,In	Std Pkg., Quantity	Each
25	G18½	3⅝	100	$0.60
25	G25	4¾	60	.60
40	G25	4¾	50	.60

B G C

FOR SPECIAL LIGHTING SERVICE

WITH MEDIUM SCREW BASE

60 TO 65 VOLTS

Clear

Watts	Bulb	Length Overall,In	Std Pkg., Quantity	Each
25	S17	5⅞	100	$0.27
15	G18½	3⅝	100	.35
25	G18½	3⅝	100	.35

Freight, 1½ Times First Class

NATIONAL MAZDA LAMPS

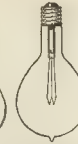
BRYAN-MARSH

Lists Effective September 1, 1926

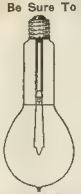
NOTE—In Ordering, Be Sure To Specify Voltage and Wattage Wanted

S24½ Bulb
60, 85 and 100
Candle Power

PS24 Bulb,
250 Candle
Power



PS40 Bulb,
600 Candle
Power



PS40 Bulb
400-600 Candle Power

PS40 Bulb
1000 Candle Power

S19 Bulb,
23 and 36 Watts

S21 Bulb,
60 Watts

S25½ Bulb,
94 Watts

FOR STREET LIGHTING SERVICE

6.6 AMPERES

Clear

WTIH MOGUL SCREW BASE

Nominal Candle Power	Amp.	Volts	Bulb	Length Overall, In	Std. Pkg. Quantity	Each
60	7.4	8	S24½	7¼	50	$0.65
80	9.2	10	S24½	7¼	50	.65
100	10.9	12	S24½	7¼	50	.65
250	23.5	25	PS35	9¾	24	1.50
400	37.6	40	PS35	9¾	24	2.00
600	56.4	60	PS40	10	12	2.50

FOR STREET LIGHTING SERVICE

In Series on Compensators

For use on constant current circuits only. A small Compensator made for each size of Lamp is used with these Lamps to raise the current of series circuit to the 15 to 20 Amperes required; Length Over-all 10¾ in.

15 AND 20 AMPERES

Clear

Nominal Candle Power	Amp.	Volts	Bulb	Std. Pkg. Quantity	Each
400	15	14.9	PS40	12	$2.30
600	20	16.0	PS40	12	2.90
1000	20	25.9	PS40	12	3.60

FOR STREET RAILWAY SERVICE

Five Lamps used in Series on 525, 550, 575, 600, 625 and 650 Volts

Clear

Watts	Bulb	Length Overall, In	Std. Pkg. Quantity	Each
23	S19	5¼	100	$0.26
36	S19	5¼	100	.26
55	S21	5⅝	100	.30
94	S25½	7⅞	50	.85

FOR LOCOMOTIVE CAB LIGHTING

WITH MEDIUM SCREW BASE

32 VOLTS ONLY

Inside Frosted

Watts	Bulb	Diam Bulb, In	Std. Pkg. Quantity	Each
15	S14	2⅜	120	$0.25

FOR LOCOMOTIVE HEADLIGHT SERVICE

TYPE C

30 TO 34 VOLTS

Clear

Watts	Bulb	Length Overall, In	Std. Pkg. Quantity	Each
100	P25	5	60	$1.00
250	G30	3	24	1.75

CARBON LAMPS

No. 1308L—Straight Side; Large Style; Medium Screw

Volts	110	110	115	220
Watts	10	60	60	60
Approx Candle Power	2	20	20	16
Size and Style Bulb	S14	S21	S21	S21
Clear, Each	$0.22	.22	.22	.24

250 in Standard Package

Note—Lamps for 120, 125, 230, 240 and 250 Volts furnished promptly from factory, Cleveland

INDEPENDENT TUNGSTEN ELECTRIC LAMPS

TYPE A—Inside Frosted

FOR STANDARD LIGHTING SERVICE

WITH MEDIUM SCREW BASE

110, 115 AND 120 VOLTS

No. W1308P—in Standard Package Quantities
No. 1308P—Less than Standard Package

Watts	Bulb	Diam. Bulb, In	Std. Pkg., Quantity	Each
15	A17	2⅜	120	$0.23
25	A19	2⅝	120	.22
40	A21	2⅝	120	.22
50	A21	2⅝	120	.25
60	A21	2⅝	120	.25
100	A23	2⅞	24	.60

FOR COUNTRY HOME LIGHTING

28 TO 32 VOLTS

No. W1308V—in Standard Package Quantities
No. 1308V—Less than Standard Package

Watts	Bulb	Diam. Bulb, In	Std. Pkg. Quantity	Each
15	A17	2⅜	120	$0.30
25	A19	2⅝	120	.30
50	A19	2⅝	120	.32
100	A23	2⅞	24	.47

TYPE "C" LAMPS

FOR STANDARD LIGHTING SERVICE

WITH MEDIUM SCREW BASE

110, 115 AND 120 VOLTS

No. W1308R—In Standard Package Quantities
No. 1308R—Less than Standard Package

Clear

Watts	Bulb	Diam Bulb, In	Std. Pkg. Quantity	Each
150	PS25	7⅛	24	$0.60
200	PS30	9⅜	24	.80
300	PS35	9⅜	24	1.25
500	PS40	10	12	2.00
1000	PS52	13⅜	6	3.75

KINGSTON SPARK COILS FOR Quality and Quantity

The phenomenal success of the Kingston Coil has induced many of the oldest coil makers in this country and Europe to try to copy Kingston quality and quantity. Watch them.

Kingston Switch

Price $1.00

Prices of Kingston Jump-Spark Coils.

Single cylinder plain box vibrator coil	$ 7.50
Double " " " " "	15.00
Triple " " " " "	22.50
Quadruple " " " " "	30.00
Single dash vibrator coil with switch	12.50
Double " " " " "	22.50
Triple " " " " "	32.50
Quadruple " " " " "	42.50
Sextette " " " " "	62.50
Units for dash coils	9.00
Motor cycle standard coil	9.00

Special Discounts to Manufacturers and Dealers.

Send for Descriptive Booklet. For Sale by all Jobbers.

Kokomo Electric Co., Kokomo, Ind.

Canadian Trade Supplied by
JOHN MILLEN & SON, Montreal and Toronto

THE SQUARE TUBE EFFECT

Livingston

RADIATORS!

THE PATENTED

LAPPED EDGE TUBES

GUARANTEE

FREEDOM from LEAKS, GREATER STRENGTH and EFFICIENCY

AND PERMIT OF A

LIGHTER CONSTRUCTION

THAN ANY OTHER METHOD

1907 Cars will be out of date without a Square Tube Radiator.

HEWITT MOTOR CO.

6-8-10 E. 31ST. ST. NEW YORK CITY

METROPOLITAN INJECTORS.

AUTOMATIC.

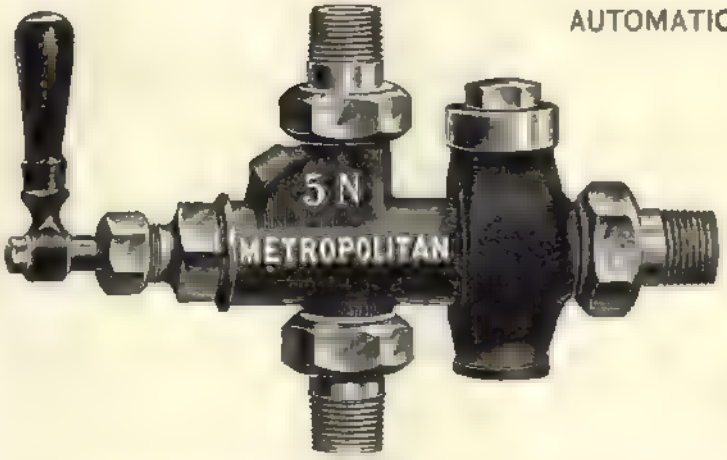


Fig 333.

Figure 333.

Size Inch	Size of Pipe Connection, Inch.	Gallons Per Hour 65 lbs. Pressure	Horse-Power	Weight, lbs	Each
2	⅝	40	4 to 6	3½	$ 15 00
3	⅝	60	6 " 8	3½	16 00
3	½	90	8 " 12	4½	18 00
4	½	120	12 " 16	4½	20 00
5	¾	220	16 " 28	6¾	25 00
6	¾	300	28 " 40	6¾	30 00
7	1	420	40 " 57	10	40 00
8	1	540	57 " 72	10¼	45 00
9	1¼	720	72 " 93	15¼	50 00
10	1¼	900	93 " 120	15½	60 00
11	1½	1140	120 " 168	27	75 00
12	1½	1740	168 " 232	27	90 00
13	2	2240	232 " 298	43	110 00

The above capacities are based upon 65 pounds steam pressure and 4 feet lift. On long lifts the capacity is decreased in all injectors.

It is operated entirely by one handle, and absolutely automatic at all steam pressures from its lowest starting point, which is about 25 lbs. on a short lift, up to its highest working point, which is about 140 lbs., without any regulation of the water supply, no globe valve being required in the suction pipe to be adjusted for varying steam pressure. No amount of jarring can stop its working.

Being a self contained injector does not require the manipulation of any globe valves in the steam or suction pipes.

It has strong lifting qualities and will always lift hot water when suction pipe and injector are hot. It will lift 20 feet.

It is so simple every engineer can repair his injector, by regrinding the valves and replacing the jets without sending the machine to the factory, as it can be taken apart with an ordinary screw wrench.

It is either a lifter or non-lifter without any change of jets.

DOUBLE TUBE.

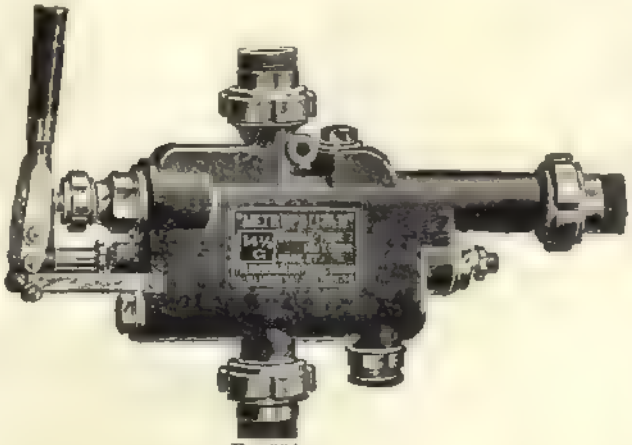


Fig 334.

Figure 334.

Owing to the positive closing overflow valve in the delivery chamber of the forcing apparatus, the forcing combining tube can be made solid without any relief holes or spills; by the use of this kind of tube, together with the principle of the lifting tubes acting as a governor to the forcing tubes, the great range of this injector is obtained. Capable of delivering water into the boiler as high as 300 degrees Fahr.

It is operated entirely by one lever. There are no outside connecting links or rods to operate the overflow valves. The overflow valve stem is rigidly connected to main steam valve stem and is thoroughly protected.

Does not require any adjustment whatever when working at the lowest to the highest steam pressure on a long or short lift, under pressure with hot or cold feed water—under all conditions the operation is the same.

Size of Pipe connections, Inch.				Capacity, with 100 lbs. Steam Pressure and 4 feet lift. Gallons.	Horse Power	Weight Lbs.	Each
Size of	Steam	Suction	Delivery				
4½	¾	½	½	165	15 to 20	18	$ 20 00
6½	1	1	¾	350	20 " 45	20	30 00
8½	1	1	1	600	45 " 80	25	45 00
10½	1	1	1¼	1000	100 " 140	37½	60 00
12½	1½	1½	1½	1750	170 " 250	54	90 00
14½	2	2	2	2850	300 " 375	85	125 00

Fig 335

THE H-D EJECTORS.

BRASS.

Figure 335

No.	Pipe Connections Steam	Suction and Delivery	Capacity Per Hour Gallons.	Weight Lbs.	Each
1	⅜	½	250	1½	$ 8 00
2	½	¾	500	1¾	10 00
3	¾	1	900	2¾	15 00
4	1	1¼	1300	4	20 00
5	1¼	1½	2000	5½	25 00

STEAM WHISTLES.

STEAM METAL, WITH VALVE.

STANDARD

Fig. 339.

Fig. 339—Diameter of bell, inch.	1	1½	2	2½	3	3½	4	5	6	8
Size pipe, inch	½	¾	¾	¾	1	1	1¼	1½	2	2½
Weight, lbs	1	1¾	2¼	3	4½	6½	8	13¼	23	64
Each	$3.10	4.00	5 50	6.50	8 50	11.50	15.00	22 50	33 00	95.00

FRISBIE PATENT SINGLE BELL CHIME

Fig. 141—Diameter of bell, inch.	1½	2	2½	3	4	5	6	8
Size pipe, inch	½	½	¾	¾	1	1¼	1½	2
Weight, lbs	2¼	2½	3½	5¼	9¼	20	34½	70
Each	$5 00	7 00	9.00	11 00	18 00	28.00	42 00	100 00

Fig 141.

WHISTLE VALVES.

STEAM METAL. ROUGH.

Fig. 340—Size, inch	¼	½	¾	1	1¼	1½	2
Weight, lbs.	...	...	...	...	...	...	...
Each	$2 50	2 50	3 00	3 50	5.00	6.00	9.00

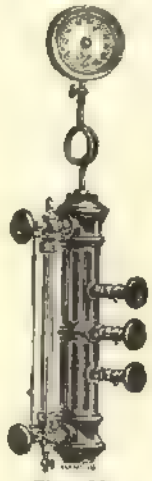


Fig. 106.

COMBINATION WATER AND STEAM GAUGES.

Fig. 106—No. 2. Combination. Boiler connections, ¾ inch. Gauge cocks, Fig. 108, ½ inch Steam gauge, 3½ inches. Water gauge, Fig. 100 Weight, lbs Each, $15 00

Fig. 106—No 3. Combination. Boiler connections, 1 inch Gauge cocks, Fig. 108, ¾ inch Steam gauge, 5 inches. Water gauge, Fig. 103 Weight, lbs " 25 00

Fig. 107—No. 2. Iron. Columns only. Weight, 13 lbs " 3 00

Fig. 107— " 3. " " " " 14½ lbs " 5.00

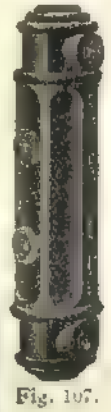


Fig. 107.

GAUGE COCKS.

FELTHOUSEN.

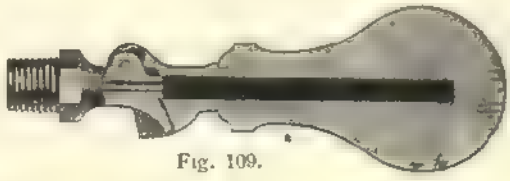


Fig. 109.

COMPRESSION.

Fig. 108.

REGISTER. LEAD SET.

Fig. 110.

Fig. 108—Size, inch	¾	½	¾
Weight, lbs	½	⅞	1
Each	$1 35	50	1 70
Fig. 109—Size, inch		½	¾
Weight, lbs		2	2
Each		$1 00	1 10
Fig. 110—Size, inch		¾	¾
Weight, lbs		2¼	2½
Each		$1 50	1 50

STEAM WHISTLES.

STEAM METAL, WITH VALVE.

Fig. 839.

STANDARD

Fig. 839—Diameter of bell, inch	1	1½	2	2½	3	3½	4	5	6	8
Size pipe, inch	½	¾	¾	¾	1	1	1¼	1½	2	2½
Weight, lbs	1	1¾	2¾	3	4½	6½	8	13½	23	55
Each	$3.10	4.00	5 50	6 50	8 50	11 50	15 00	22 50	33 00	95 00

FRISBIE PATENT SINGLE BELL CHIME

Fig. 141—Diameter of bell, inch	1½	2	2½	3	4	5	6	8
Size pipe, inch	½	½	½	¾	1	1¼	1½	2
Weight, lbs	2¼	2½	3½	5¼	9¾	20	34½	70
Each	$5 00	7 00	9.00	11 00	18 00	28.00	42 00	100 00

Fig. 141.

WHISTLE VALVES.

STEAM METAL. ROUGH.

Fig. 840—Size, inch	¼	½	¾	1	1¼	1½	2
Weight, lbs.	...	...	...	...	...	...	...
Each	$2.50	2.50	3.00	3.50	5.00	6.00	9.00

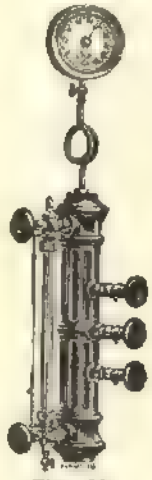


Fig. 106.

COMBINATION WATER AND STEAM GAUGES.

Fig. 106—No. 2. Combination. Boiler connections, ¾ inch. Gauge cocks, Fig. 108, ½ inch. Steam gauge, 3½ inches. Water gauge, Fig. 100. Weight, ... lbs. ... Each, $15 00

Fig. 106—No. 3. Combination. Boiler connections, 1 inch. Gauge cocks, Fig. 108, ¾ inch. Steam gauge, 5 inches. Water gauge, Fig. 103. Weight, ... lbs. ... " 25 00

Fig. 107—No. 2. Iron. Columns only. Weight, 13 lbs. ... " 3 00

Fig. 107—" 3. " " " " 14½ lbs. ... " 5 00

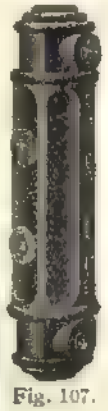


Fig. 107.

GAUGE COCKS.

FELTHOUSEN.

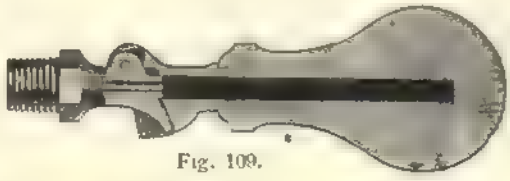


Fig. 109.

COMPRESSION.

Fig. 108.

REGISTER. LEAD SET.

Fig. 110.

Fig. 108—Size, inch	...	½	½	¾
Weight, lbs.	...	¾	⅞	1
Each	...	$1 35	1 50	1 70
Fig. 109—Size, inch	...	...	½	¾
Weight, lbs.	...	...	2	2
Each	...	...	$1 00	1 10
Fig. 110—Size, inch	...	...	¾	¾
Weight, lbs.	...	...	2¾	2½
Each	...	...	$1 50	1 50

METROPOLITAN INJECTORS.

AUTOMATIC.

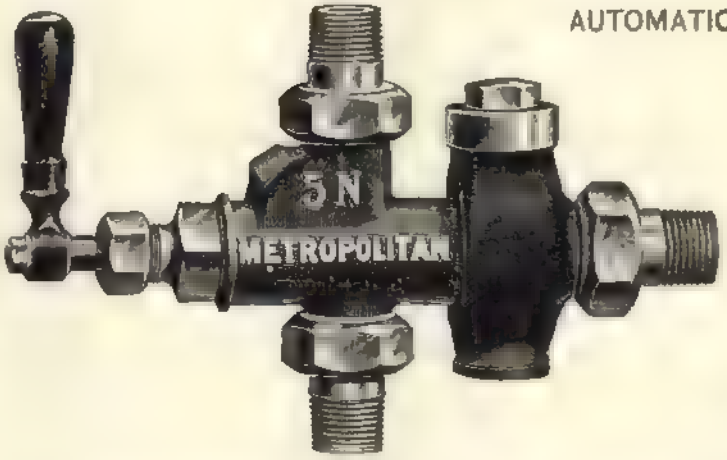


Fig. 333.

Figure 333.

Size Inch	Size of Pipe Connection, Inch.	Gallons Per Hour 65 Lbs. Pressure	Horse-Power	Weight, Lbs	Each.
2	⅝	40	4 to 6	3¼	$ 15 50
3	⅝	60	6 " 8	3½	16 00
3	½	90	8 " 12	4¾	18 00
4	½	120	12 " 16	4½	20 00
5	¾	220	16 " 28	6¾	25 00
6	¾	300	28 " 40	6¾	30 00
7	1	420	40 " 57	10	40 00
8	1	540	57 " 72	10¼	45 00
9	1¼	720	72 " 93	15¼	55 00
10	1¼	900	93 " 120	15¼	60 00
11	1½	1210	120 " 168	27	75 00
12	1½	1740	168 " 232	27	98 00
13	2	2240	232 " 298	43	110 00

The above capacities are based upon 65 pounds steam pressure and 4 feet lift. On long lifts the capacity is decreased in all injectors.

It is operated entirely by one handle, and absolutely automatic at all steam pressures from its lowest starting point, which is about 25 lbs. on a short lift, up to its highest working point which is about 140 lbs., without any regulation of the water supply, no globe valve being required in the suction pipe to be adjusted for varying steam pressure. No amount of jarring can stop its working.

It being a self-contained injector does not require the manipulation of any globe valves in the steam or suction pipes.

It has strong lifting qualities and will always lift the water when suction pipe and injector are hot. It will lift 20 feet.

It is so simple every engineer can repair his injector, by regrinding the valves and replacing the jets without sending the machine to the factory, as it can be taken apart with an ordinary screw wrench.

It is either a lifter or non-lifter without any change of jets.

DOUBLE TUBE.

Figure 334.

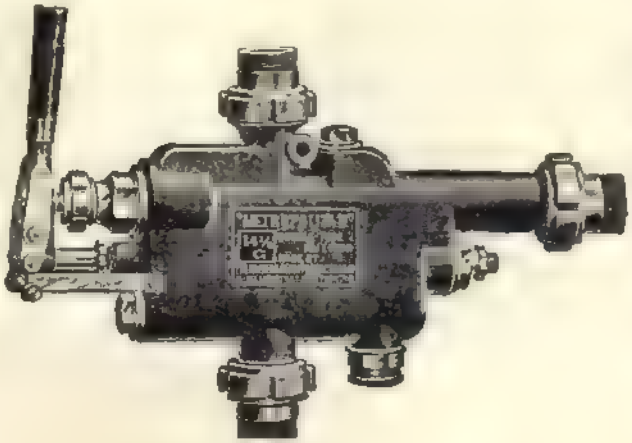


Fig 334.

Owing to the positive closing overflow valve in the delivery chamber of the forcing apparatus, the forcing combining tube can be made solid without any relief holes or spills; by the use of this kind of tube, together with the principle of the lifting tubes acting as a governor to the forcing tubes, the great range of this injector is obtained. Capable of delivering water into the boiler as high as 300 degrees Fahr.

It is operated entirely by one lever. There are no outside connecting links or rods to operate the overflow valves. The overflow valve stem is rigidly connected to main steam valve stem and is thoroughly protected.

Does not require any adjustment whatever when working at the lowest to the largest steam pressure on a long or short lift, under pressure with hot or cold feed water—under all conditions the operation is the same.

Size No.	Size of Pipe Connections Inch. Steam	Suction	Delivery	Capacity with 100 Lbs. Steam Pressure 4 Feet Lift Gallons	Horse Power	Weight Lbs.	Each
4½	¾	¾	¾	165	15 to 25	13½	$ 20 00
5½	1	¾	¾	300	20 " 45	20	30 00
8	1	1	1	600	65 " 80	25	45 00
10	1	1¼	1¼	1000	100 " 140	37½	60 00
12½	1½	1½	1½	1750	140 " 250	54	90 00
14½	2	2	2	2850	300 " 475	85	125 00

THE H-D EJECTORS.

BRASS.

Figure 335

Fig. 335

Nos.	Pipe Connections Steam	Suction and Delivery	Capacity in 100 Gallons	Weight Lbs.	Each
1	⅜	½	250	1½	$ 8 00
2	½	¾	500	1¾	10 00
3	¾	1	900	2¼	15 00
4	1	1¼	1300	4	20 00
5	1¼	1½	2000	5½	25 00

Flexible Flyers.

"THE SLED THAT STEERS."

Made of the Finest Materials, Spring Steel I Shaped Runners, Pressed Steel Supports, Hardwood Frame and Seat.

	Each
No. 1—Length 36 in., Width 12 in., Height 6 in., Weight 8½ Lbs.	$2 50
No. 2—Length 40 in., Width 13 in., Height 6¼ in., Weight 10 Lbs.	3 00

No. 1 Carries One Child of Medium Size. No. 2, One Grown Person or Two Children

	Each
No. 3—Length 46 in., Width 14 in., Height 8¼ in., Weight 14 Lbs.	$3.75
No. 4—Length 50 in., Width 16 in., Height 8½ in., Weight 17 Lbs.	4.50

No. 3 Carries Two Large Children and is Amply Strong for Two Adults; No. 4 Designed Especially to Carry Two Grown Persons.

	Each
Racer—Length 56 in., Width 13 in., Height 6¼ in., Weight 16 Lbs.	$4 25

	Each
No. 5—Length 62 in., Width 16 in., Height 8½ in., Weight 22 Lbs.	$6 00

Carries Three Grown Persons or Four or Five Children

Flexible Flyers.

"THE SLED THAT STEERS."

Made of the Finest Materials, Spring Steel ⊥ Shaped Runners, Pressed Steel Supports, Hardwood Frame and Seat.

Each

No. 6—Length 101 in., Width 16 in., Height 8¾ in., Weight 41 Lbs. $12.00

Carries Six Grown Persons

Fire Fly Coasters.

Spring Steel ⊥ Shaped Runners, Pressed Steel Supports, Hardwood Frame and Seat.

Each

No. 10—Length 36 in., Width 12 in., Height 6 in., Weight 8 Lbs. $2.00

No. 10 Carries One Child of Medium Size.

Each

No. 11—Length 40 in., Width 13 in., Height 6¼ in., Weight 9½ Lbs. $2.50

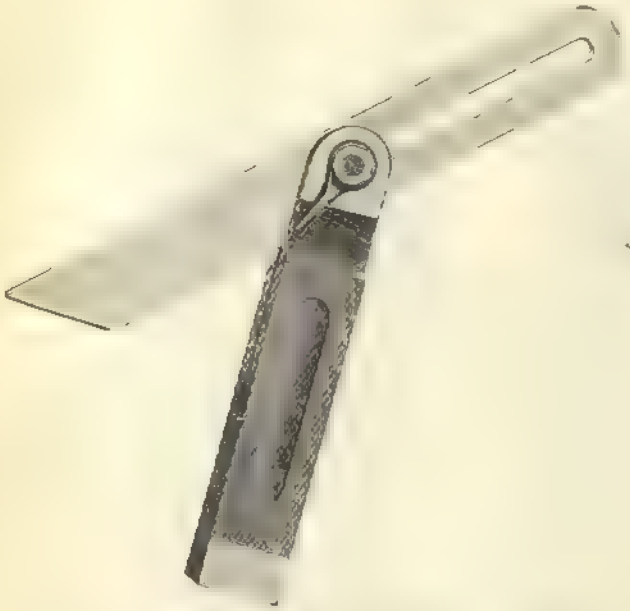
No. 11 Carries One Grown Person or Two Children

Each

No. 12—Length 45 in., Width 14 in., Height 7 in., Weight 13 Lbs. $3.25

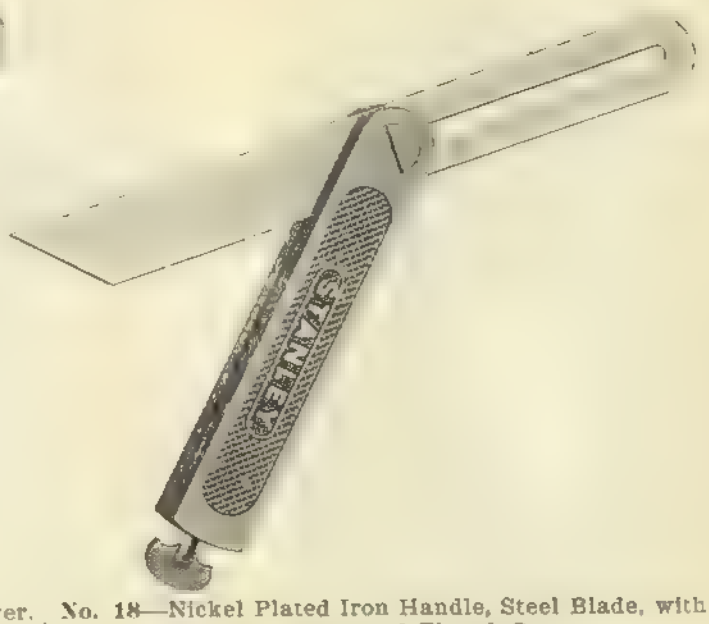
No. 12 Carries Two Large Children.

Sliding T Bevels.



No. 25—Rosewood Handle, with Flush Brass Lever. Steel Blade.

Inches	6	8	10	12	14
Per Dozen	$3.95	4.30	4.65	5.00	5.40



No. 18—Nickel Plated Iron Handle, Steel Blade, with Parallel Edges and Thumb Screw.

Inches	6	8	10
Per Dozen	$6.60	8.40	9.10

One-half Dozen in a Box

Plumb Bobs.

STANLEY'S ADJUSTABLE.

With Reel and Line, Steel Point.

	Per Doz.
No. 28—Bronze Metal, Weight Each 13 Oz	$25 20
No. 38—Iron, Weight Each 12 Oz	12 00

These Plumb Bobs are constructed with a reel at the upper end to which the line may be kept [illegible] dropping the bob with a slight jerk when the cord is [illegible] the desired length of line may be reeled off. A spring catch has a [illegible] on the reel which checks and holds the bob [illegible] at any point of the line. The tension of the spring may be increased or decreased by means of [illegible] which passes through the reel.

LAMP'S MILLWRIGHT.

Brass, Steel Point.

Nos.	0	1	2	3	4
Weight Each, Lbs.	1	2	2¼	2½	3½
Diameter, Inches.	1¾	2⅜	2½	2⅝	2¾
Per Dozen	$24.00	36.00	39.00	42.00	47.00

One-twelfth Dozen in a Box

Plumb Bobs.

Brass, Steel Point.

	Per Dozen
No. 13—Weight Each 2 Lbs	$20.00
No. 14—Weight Each 3 Lbs. 4 Oz	25.50

One-half Dozen in a Box.

Brass, Steel Point

	Per Dozen
No. 6—Sargent's, Adjustable, Screw Top, Wt. Each 11½ Oz	$10.00

One-half Dozen in a Box

No. 2J

No. 0J

Iron, Japanned, Adjusted Top.

		Per Dozen
No. 2J—Weight Each 9	Oz	$1.60
No. 00J—Weight Each 1	Lb. 2 Oz	3.00
No. 0J—Weight Each 2	Lbs. 10 Oz	5.00

Lead, Steel Point.

	Per Dozen
No. 3H—Weight Each 12 Oz	$6.25

STEARNS' ROUND.

Fine Quality Grey Iron, Accurately Made, Sharp Points Giving Correct Alignment, Full Nickel Plated. Highly Polished.

Nos.	11	12
Weight Each, Oz	5½	15
Per Dozen	$3.00	4.50

Full Size of No. 11

HEXAGON.

Hexagon Steel, Accurately Made Sharp Points Giving Correct Alignment, Full Nickel Plated, Highly Finished.

Nos.	16	17
Weight Each Oz	8	13
Per Dozen	$3.50	5.50

One Dozen in a Box.

Full Size No 16

Athletic Supporters.

P. & S.

STAR AND CRESCENT.

For Light and Quick Work.

3 in. All Elastic Waist Band, 2½ in. Special Elastic Web Leg Straps, Extra Long Pouch, Bulged and Shaped with Edges, Especially Hemmed and Bound to Prevent Stretching Out of Shape, Double Lock Stitched Unions and Joinings.

	Per Dozen
No. 5—Non-Elastic Velvet Pouch	$10.00
No. 6—Double Thickness, Lisle Pouch	9.00
No. 7—Single Thickness Lisle Pouch	9.00
No. 8—Open Mesh English Linen Pouch	9.00

Sizes: Small, 28 to 32; Medium, 30 to 36; Large, 34 to 40

PENNANT WINNER.

For Base Ball Players.

3 in. Special Web Weave Double Strength Elastic Waist Band, with Interlined Center Piece in Front, 2½ in. Special Web Weave Double Strength Elastic Leg Straps, 8 in. Bellied Pouch, Triple Lock Stitched Joinings.

	Per Dozen
No. 9—Non-Elastic Velvet Pouch	$10.00
No. 10—Double Thickness Lisle Pouch	9.00
No. 11—Single Thickness Lisle Pouch	9.00
No. 12—Open Mesh English Linen Pouch	9.00

Sizes: Small, 28 to 32; Medium, 30 to 36; Large, 34 to 40

ADONISBELT.

General Gentlemen's Belt.

3 in. Waist Band, 2 in. Leg Straps, Specially Woven from the Very Finest Mercerized Yarns and the Best Quality Rubber, Reinforced Satin Center Piece, Quardruple Locked Stitched to the Elastic Waist Band, Bellied Pouch, Three Plated Patent Glove Fasteners on Pouch and Waist Band, Permitting Partial or Instant Removal of Garment.

	Per Dozen
No. 14—Special Pink Web Silk Pouch	$24.00
No. 13—Open Mesh English Linen Pouch, Same Description as No. 14, but with Regular Elastic Web and Reinforced Cloth Centerpiece	13.00

ADMIRAL.

For Bowling and Golf.

3 in. Special Weave Soft Elastic Web Waist Band, 2 in. Special Weave Soft Elastic Leg Straps, Detachable Pouch with Three Patent Glove Fasteners, Double and Triple Lock Stitched Unions.

	Per Dozen
No. 24—Open Mesh English Linen Pouch	$12.00
No. 25—Single Thickness Lisle Pouch	12.00
No. 26—Double Thickness Lisle Pouch	12.00

"GYM."

For All Athletics.

3 in. Waist Band, 2½ in. Border, Web Leg Straps, Double Compartment Pouch.

	Per Dozen
No. 60—Non-Elastic Velvet Pouch	$10.00
No. 61—Non-Elastic Lisle Pouch	10.00
No. 66—Non-Elastic Lisle Inside, Linen Open Mesh Outside Pouch	10.00

Sizes: Small, 28 to 32, Medium, 30 to 36; Large, 34 to 40.

BLACK TOM.

For Wrestling, Boxing and Heavy Work.

5 in. Waist Band Very Closely Specially Woven Gore Web of the Finest Elastic Double Thickness Wool Tricot Pouch Quadruple Stitched to the Belt in Front and Behind Outer Edges of Pouch Tape Bound End of Pouch, where it Joins the Elastic Waist Band. Strongly Reinforced with an Extra Lining.

	Per Dozen
No. 27—Special Pouch, Black	$12.00

When ordering No. 27, give Exact Measurement next to the skin.

When Ordering Athletic Supporters, Specify Sizes Wanted.

Base Ball Shoes.

Per Pair

No. 1592—Golden Machine Sewed Shoe, Good Leather Uppers and Soles, Fitted with Heel and Toe Plates.....$2.50

Per Pair

No. 1203—Golden Highest Quality Shoe, Hand Made Throughout, Specially Selected Genuine Kangaroo Leather, Fitted with Special Hand Forged Heel and Toe Plates $7.00

Extreme Care is Taken in the General Construction of this Shoe and no Pains or Expense Spared in Making it not only the very Toughest in Quality but a Perfect Shoe in every Detail.

Sizes 6 to 11

Per Pair

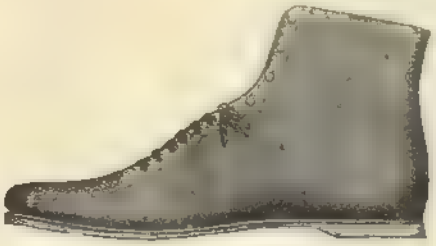
No. 1253—Golden Machine Sewed Shoe, Selected Genuine Kangaroo, Good Leather Soles, Fitted with Heel and Toe Plates $3.25

Sizes 6 to 11

Per Pair

No. 1259—Golden Goodyear Welt Shoe (The Hand Sewed Process), Genuine Kangaroo Leather, Oak Soles, Flexible Shanks, Fitted with Heel and Toe Plates $4.50

Gymnasium Shoes.



Per Pair

No. 1129—Gymnasium Shoes, Kangaroo Leather, Genuine Elk Soles, Goodyear Stitched, Used for Gymnasium Work, Bowling and Boxing $4.25

Sizes 6 to 11 in.

Running Shoes.

Per Pair

No. 1282—Golden Patented Outdoor Sprinting Shoes, Genuine Kangaroo Leather, English Spikes, Machine Sewed on Special Last $4.00

Sizes 6 to 11

Running Pants.

Per Dozen

No. 103—Muslin, Fly Front, Lace Back.....$6.00
No. 603—Muslin, Best Grade, Fly Front, Lace Back 7.00
No. 203—Twill, Fly Front, Lace Back..... 8.00
No. 703—Sateen, Any Color, Fly Front, Lace Back 9.00

Striping and color, on all styles, 75c per dozen net. Place "S" after style number if striping is wanted and state color wanted or send samples.

All the above listed Shoes are shipped F. O. B. Factory, Chicago.

Suspensory.

PERFECT.

Per Dozen

No. 15—Plain Cotton Sack, Non-Elastic Band..$2.50
No. 16—Fancy Cotton Sack, Non-Elastic Band. 3.00
No. 17—Fancy Silk Sack, Non-Elastic Band... 3.50
No. 18—Pink Plain Silk Sack, Non-Elastic Band 3 50

Assorted Sizes Small, Medium and Large

ARMY AND NAVY.

Seamless Sack, Indestructible Leg Straps, Made with 5 in. Genuine Lined Strips of Double Thickness, Sewed to Pouch and Elastic Extending from Linen Tape to Center Piece.

Per Dozen

No. 30—Lisle Sack, Non-Elastic Waist Band and Understraps $2.50
No. 31—Cotton Sack, Non-Elastic Waist Band and Understraps 3.00
No. 32—Lisle Sack, Elastic Waist Band and Understraps 5.00
No. 33—Fancy Mesh Sack, Elastic Waist Band and Understraps 6.50
No. 34—Silk Sacks, Silk Elastic Waist Band and Understraps 9.00

Assorted Sizes Small, Medium and Large.

Ankle Bandages.

Each

No. 1—Cotton Thread $2.50
No. 2—Silk Thread 3.00

In Ordering, Give Circumference around Ankle and over Instep and State if Light or Strong Pressure is Wanted.

Knee Cap Bandages.

Each

No. 5—Cotton Thread $2.50
No. 6—Silk Thread 3.00

In Ordering, Give Circumference Below Knee, at Knee and just Above Knee, and State if Light or Strong Pressure is Wanted.

Wrist Bandages.

Each

No. 3—Cotton Thread $1 25
No. 4—Silk Thread 1 50

In Ordering, Give the Circumference around Smallest Part of Wrist and State Whether for Light or Strong Pressure.

Elbow Bandages.

Each

No. 7—Cotton Thread $2.50
No. 8—Silk Thread 3.00

In Ordering, Give Circumference Above, Below and at Elbow and State Whether Light or Strong Pressure is Wanted.

Revolvers.

COLT'S PATENT FIRE ARMS MFG. CO.'S.

POLICE POSITIVE.

Jointless Solid Frame, Simultaneous Ejector, Double Action, Rubber Stock.

	Each
No. 800—32 Caliber, C. F., 4 in. Barrel, Nickel Plated, 6 Shots	$15.00
No. 801—32 Caliber, C. F., 4 in. Barrel, Blued 6 Shots	15.00
No. 802—32 Caliber, Police Positive, C. F., 4 in. Barrel, Nickel Plated, 6 Shots	15.00
No. 803—32 Caliber, Police Positive, C. F. 4 in. Barrel, Blued, 6 Shots	15.00
No. 804—38 Caliber, Police Positive, C. F., 4 in. Barrel, Blued, 6 Shots	15.00

Nos. 800 and 801 Shoot 32 Caliber Short Colt's and 32 Caliber Long Colt's Cartridges only.

Nos. 802 and 803 Shoot 32 Caliber Colt's Police Positive and 32 Caliber Police Positive Gallery Load Cartridges.

No. 804 Shoots 38 Caliber Police Positive Cartridges.

POLICE POSITIVE SPECIAL.

Jointless Solid Frame, Simultaneous Ejector, Double Action, Rubber Stock.

	Each
No. 809—32-20 Caliber, C. F., 4 in. Barrel, Blued, 6 Shots	$15.00
No. 810—38 Caliber, C. F., 4 in. Barrel, Blued, 6 Shots	15.00

No. 809 Shoots 32-20 Caliber C. F. Rifle Cartridges.

No. 810 Shoots 38 Short, 38 Long Colt's and 38 S. & W. Special C. F. Cartridges.

POCKET POSITIVE.

Jointless Solid Frame, Simultaneous Ejector, Double Action, Rubber Stock.

	Each
No. 811—32 Caliber, 3½ in. Barrel, Blued, 6 Shots	$14.00
No. 812—32 Caliber, 6 in. Barrel, Blued, 6 Shots	14.00

Shoots Colt's C. F. Short and Long Cartridges.

POLICE POSITIVE TARGET.

Jointless Solid Frame, Simultaneous Ejector, Double Action, Rubber Stock.

	Each
No. 807—22 Caliber Short or Long, Rim Fire, 6 in. Barrel, Blued, 6 Shots	$16.00
No. 806—22 Caliber W. R. F., Rim Fire, 6 in. Barrel, Blued, 6 Shots	16.00

No. 807 Shoots 22 Caliber Short or Long Rim Fire Cartridges.

No. 806 Shoots 22 Caliber W. R. F. Rifle Cartridges only.

Revolvers.

COLT'S PATENT FIRE ARMS MFG. CO.'S.

ARMY SPECIAL.

Jointless Solid Frame, Simultaneous Ejector, Double Action, Rubber Stock

	Each
No. 816—38 Caliber, C. F., 4½ in. Barrel, Blued, 6 Shots	$16.00
No. 817—38 Caliber, C. F., 6 in. Barrel, Blued, 6 Shots	16.00
No. 818—32-20 Caliber, C. F., 4½ in. Barrel, Blued, 6 Shots	16.00
No. 819—32-20 Caliber, C. F., 6 in. Barrel, Blued, 6 Shots	16.00
No. 820—41 Caliber, C. F., 6 in. Barrel, Blued, 6 Shots	16.00

Nos. 816 and 817 Shoot 38 Caliber Short and Long C. F. Colt's or S. & W. Special C. F. Cartridges.

Nos. 818 and 819 Shoot 32-20 Caliber Winchester and Colt's New Lightning Magazine C. F. Rifle Cartridges.

No. 820 Shoots 41 Caliber Short and Long Colt's Cartridges.

OFFICERS' MODEL.

Jointless, Solid Frame, Simultaneous Ejector, Double Action, Checked Walnut Stock

	Each
No. 814—38 Caliber, C. F., 6 in. Barrel, Blued, 6 Shots	$19.00
No. 815—38 Caliber, C. F., 7½ in. Barrel, Blued, 6 Shots	19.00

Nos. 814 and 815 Shoot 38 Caliber Colt Special and 38 Caliber S. & W. Special C. F. Cartridges.

BISLEY MODEL, SINGLE ACTION.

Solid Frame, Rod Ejector, Rubber Stock.

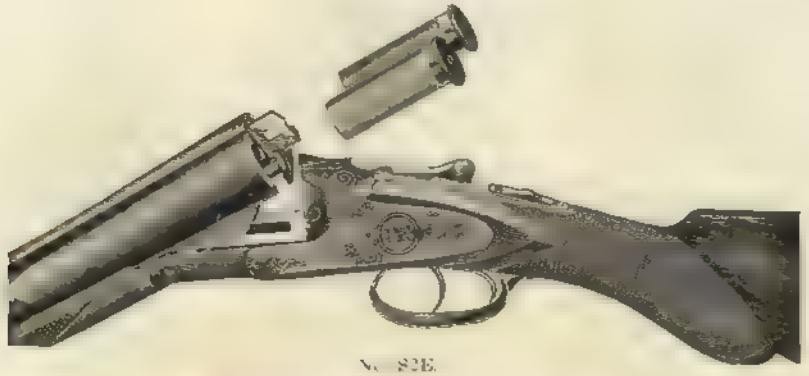
	Each
No. 821—32-20 Caliber, C. F., 7½ in. Barrel, Blued, 6 Shots	$16.00
No. 822—32-20 Caliber, C. F., 7½ in. Barrel, Blued, 6 Shots	16.00
No. 823—38-40 Caliber, C. F., 7½ in. Barrel, Blued, 6 Shots	16.00

Nos. 821 and 822 Shoot 32-20 Caliber Winchester and Colt's New Lightning Magazine C. F. Rifle Cartridges.

Nos. 823 Shoots 38-40 Caliber Winchester and Colt's New Lightning Magazine C. F. Rifle Cartridges.

Double Barrel Shot Guns.

L. C. SMITH HAMMERLESS.



No. S2E

Top Lever Action, Rebounding Locks, Automatic Safety, Extended Matted Rib, Triple Bolt, Case Hardened Mountings, Checkered Full Pistol Grip, Patent Compensating Fore-End, Interchangeable Main Spring, English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

Plain Ejector.

	Each
No. S-2—12 Gauge, 30 and 32 in. Crown Steel Barrels, Weight 7½ to 8½ Lbs.	$80.00

Automatic Ejector.

	Each
No. S-2E—12 Gauge, 30 and 32 in. Crown Steel Barrels, Weight 7 to 8 Lbs.	$95.00

Top Lever Action, Rebounding Locks, Automatic Safety, Extended Matted Rib, Triple Bolt, Case Hardened Mountings, Checkered Full Pistol Grip, Patent Compensating Fore-End, Interchangeable Main Spring, English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

Plain Ejector.

	Each
No. S-3—12 Gauge, 30 and 32 in. Nitro Steel Barrels, Weight 7½ to 8½ Lbs.	$100.00

Top Lever Action, Rebounding Locks, Automatic Safety, Extended Matted Rib, Triple Bolt, Case Hardened Mountings, Checkered Full Pistol Grip, Patent Compensating Fore-End, Interchangeable Main Spring, English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

Automatic Ejector.

	Each
No. S-3E—12 Gauge, 30 and 32 in. Nitro Steel Barrels, Weight 7½ to 8½ Lbs.	$115.00

Double Barrel Shot Guns.

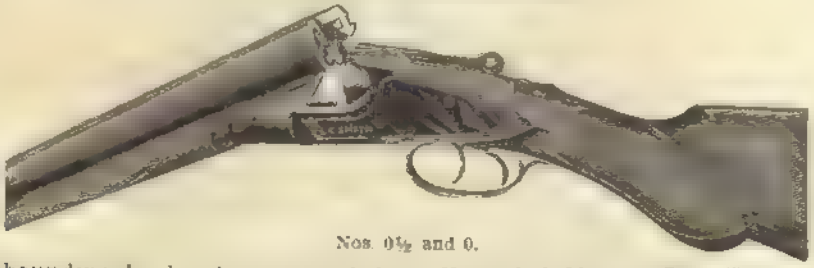
L. C. SMITH HAMMER.

Nos. 14 to 16

Top Lever Action, Rebounding Locks, Low Circular Hammers, Matted Extended Rib, Triple Bolt, Checkered Pistol Grip, Patent Compensating Fore-End, English Walnut Stock, Rubber Butt Plate.
Both Barrels Choke Bored.

		Each
No. 13	12 Gauge, 30 and 32 in. Blued Steel Barrels, Weight 7½ to 8½ Lbs....	$30 00
No. 14—	12 Gauge, 30 and 32 in. English Stub Twist Steel Barrels, Weight 7½ to 8½ Lbs	32 00
No. 15—	10 Gauge, 32 in. English Stub Twist Steel Barrels, Weight 9 to 10 Lbs.	32 00
No. 16—	16 Gauge, 30 in. English Stub Twist Steel Barrels, Weight 6½ to 7 Lbs.	32 00
No. 17—	12 Gauge, 30 and 32 in. Damascus Steel Barrels, Weight 7½ to 8½ Lbs...	35 00
No. 19—	16 Gauge, 30 in. Damascus Steel Barrels, Weight 6½ to 7 Lbs....	35 00

L. C. SMITH HAMMERLESS.



Nos. 0½ and 0.

Top Lever Action, Rebounding Locks, Automatic Safety, Extended Matted Rib, Triple Bolt, Case Hardened Mountings, Checkered Pistol Grip, Patent Compensating Fore End, Interchangeable Main Spring.
English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

Plain Ejector.

		Each
No. 0½	12 Gauge, 30 and 32 in. Blued Armor Steel Barrels, Weight 7 to 8 Lbs	$37 50
No. 0	12 Gauge, 30 and 32 in. Two Blade Damascus Steel Barrels, Weight 7 to 8½ Lbs	50 00
No. 0000	—20 Gauge, 28 in. Two Blade Damascus Steel Barrels, Weight 5 to 6½ Lbs	50 00

Automatic Ejector.

		Each
No. 0½E—	12 Gauge, 30 and 32 in. Blued Armor Steel Barrels, Weight 7½ to 8½ Lbs	$47 00
No. 0E	12 Gauge, 30 and 32 in. Two Blade Damascus Steel Barrels, Weight 7 to 8½ Lbs	65 00

No. 81E.

Top Lever Action, Rebounding Locks, Automatic Safety, Extended Matted Rib, Triple Bolt, Case Hardened Mountings, Checkered Pistol Grip, Patent Compensating Fore-End, Interchangeable Main Spring.
English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

Plain Ejector.

		Each
No. S-1—	12 Gauge, 30 and 32 in. Three Blade Damascus Steel Barrels, Line Engraving, Weight 7½ to 8½ Lbs.	$60 00

Automatic Ejector.

		Each
No. S-1E	12 Gauge, 30 and 32 in. Three Blade Damascus Steel Barrels, Line Engraving, Weight 7½ to 8½ Lbs	$75 00

Coffee Mills.

ENTERPRISE.

Grinds ¾ Pound Per Minute.

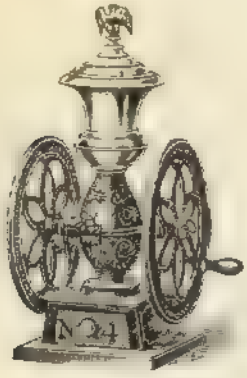
Each

No. 5 Fancy Decorations Capacity of Iron Hopper ¾ Lb., Diameter of Fly Wheels 12½ in., Height 17 in.....$8.00
Weight Each 36 Pounds.
Three in a Case.

Grinds 1 Pound Per Minute.

Each

No. 7—Fancy Decorations, Capacity of Iron Hopper 1¾ Lbs., Diameter of Fly Wheels 17 in., Height 21½ in.....$11.00
Weight Each 62 Pounds.
One in a Crate



Grinds ½ Pound Per Minute.

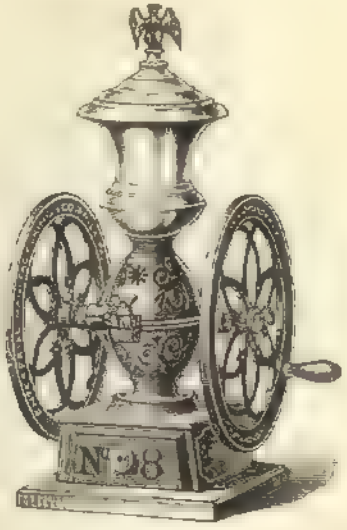
Each

No. 4—Fancy Decorations, Capacity of Nickel Plated Hopper ¾ Lb., Diameter of Fly Wheels 10¾ in., Height 20½ in. $8.00
Weight Each 22 Pounds.
One in a Case

Grinds ¾ Pound Per Minute.

Each

No. 6—Fancy Decorations, Capacity of Nickel Plated Hopper 1¾ Lbs., Diameter of Fly Wheels 12½ in., Height 24 in....$12.00
Weight Each 35 Pounds.
One in a Case.



Grinds 1 Pound Per Minute.

Each

No. 8—Fancy Decorations, Capacity of Nickel Plated Hopper 2¼ Lbs., Diameter of Fly Wheels 17 in., Height 27 in.....$16.00
Weight Each 59 Pounds.
One in a Crate and Box.

Coffee Mills.

ENTERPRISE.

Side or Wall, Grinds 6 Oz. Per Minute.

		Each
No. 00	Fancy Painted Hopper, Capacity of Hopper 4 Oz., Height 9 in.	$1.25

Weight Each 6 Pounds.

Twelve in a Case.

With Table Clamp, Grinds 6 Oz. Per Minute.

		Each
No. 0	Fancy Painted Iron Hopper Capacity of Hopper 4 Oz., Height 11½ in.	$1.50

Weight Each 6 Pounds.

Twelve in a Case.

Closed.

Open

Grinds 6 Oz. Per Minute.

		Each
No. 1	Fancy Painted Iron Hopper, Capacity of Hopper 4 Oz., Height 12½ in	$2.25

Weight Each 10 Pounds.

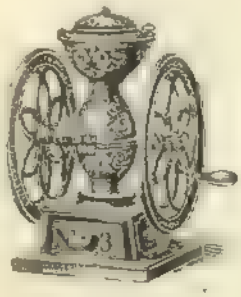
Six in a Case.

Grinds 6 Oz. Per Minute.

		Each
No. 2	Fancy Decorations, Capacity of Iron Hopper 4 Oz., Diameter of Fly Wheels 8¾ in., Height 12½ in.	$3.75

Weight Each 15 Pounds.

Six in a Case.



Grinds ½ Pound Per Minute.

		Each
No. 3	Fancy Decorations, Capacity of Iron Hopper 1 Lb., Diameter of Fly Wheels 10¾ in., Height 15 in.	$5.50

Weight Each 22½ Pounds.

Six in a Case.

Coffee Mills

ENTERPRISE.

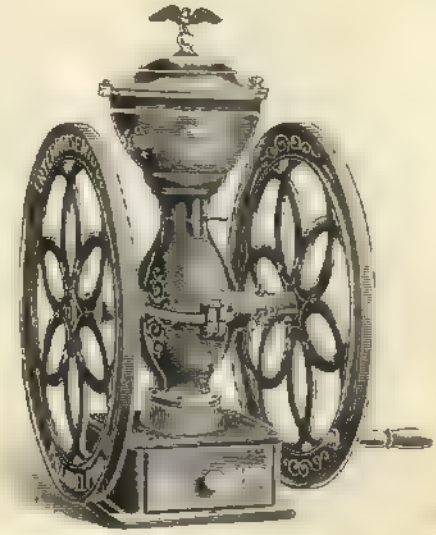
Grinds 1 Pound in 75 Turns.

Each

No. 9—Fancy Decorations, Capacity of Iron Hopper 3 Lbs., Diameter of Fly Wheels 19½ in., Height 24 in.....$16.00

Weight Each 107 Pounds.

One in a Crate.



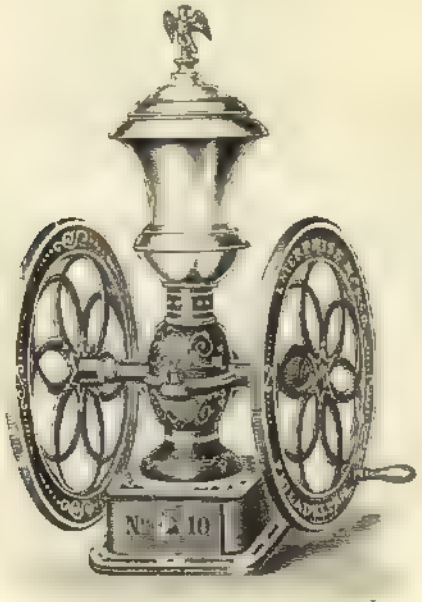
Grinds 1 Pound in 50 Turns.

Each

No. 209—Fancy Decorations, Capacity of Iron Hopper 5 Lbs., Diameter of Fly Wheels 25 in., Height 33 in.....$24.00

Weight Each 156 Pounds.

One in a Crate.



Grinds 1 Pound in 75 Turns.

Each

No. 10—Fancy Decorations, Capacity of Nickel Plated Hopper 4½ Lbs., Diameter of Fly Wheels 19½ in., Height 28 in...$21.00

Weight Each 102 Pounds.

One in a Crate and Box.

Grinds 1 Pound in 50 Turns.

Each

No. 12—Fancy Decorations, Capacity of Iron Hopper 5 Lbs., Diameter of Fly Wheels 25 in., Height 32 in.....$24.00

Weight Each 141 Pounds.

One in a Crate.

Garden Cultivators.

NORCROSS.

Per Dozen

No. 8—Norcross, 5 Forged Steel Blades, Spring Steel Prongs, Malleable Detachable Socket, Malleable Frame and Clamping Bar, 4 ft. White Ash Handle $14 00

The Prongs are [illegible] for rows of [illegible] inches apart. Loosen the Nuts [illegible] spring tooth, slide prongs to [illegible] Works with [illegible] Prongs can be removed and rows straddled. A perfect Weeder and Pulverizer giving an [illegible] Remove [illegible] prong and reverse, other [illegible] Potato Digger. By [illegible] this tool can be attached to a Wheel Plow.

Weight Per Dozen 44 Pounds.

One-half Dozen in a Bundle, Crated

GARDENER'S FRIEND.

Used as a Drill.

Used for general Cultivating.

Shield used in place of Center Plow.

Per Dozen

No. 18—Gardener's Friend, Three Solid Cast Steel Bades, $1\frac{3}{4}$x$4\frac{3}{4}$ in., Outside Edges Sharpened Entire Length, 4 [illegible] ft. Handle $14.00

Weight Per Dozen 45 Pounds.

One Dozen in a Bundle

CRONK'S.

Per Dozen

No. 111—Cronk's, Three Steel Prongs, Steel Head, Blued Finish, $4\frac{1}{2}$ ft. Handle ..$10.00

Weight Per Dozen 30 Pounds.

[illegible] Dozen in a Bundle, [illegible]

NORCROSS MIDGET.

Per Dozen

No. 9—Norcross Midget, Three $\frac{1}{4}$ in. Square Spring Detachable Steel Prongs, Malleable Head, 9 in. Handle.....$5.50

Weight Per Dozen 12 Pounds.

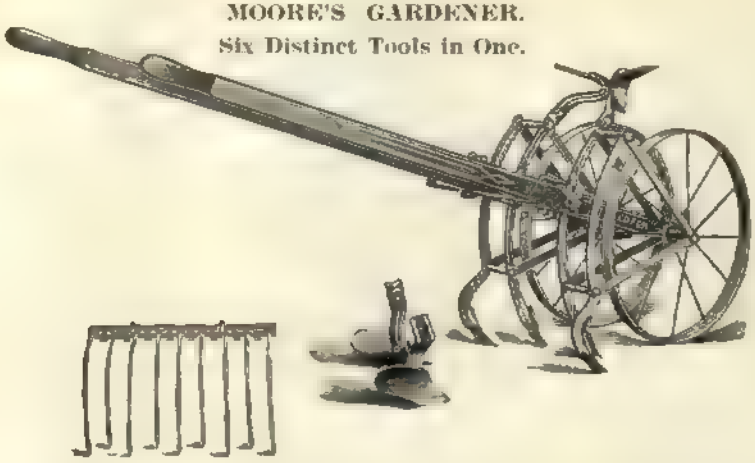
Designed for use in flowers, small shrubbery, etc., or for cultivating small vegetables where the use of a long handle tool is less practical. Excellent in strawberries and all similar low-growing [illegible] where hand cultivation is required.

[illegible] Dozen in a Bundle, Crated

Garden Cultivators.

MOORE'S GARDENER.

Six Distinct Tools in One.



Gardener ready for cultivating, also showing Weeder and Plows.

The Moore's Gardener is a machine adapted to the wants of the gardener and farmer. It is a machine that revolutionizes the methods of cultivating and planting gardens. It has merits and good features that are readily appreciated by those who use garden tools. As a combined machine it differs from other combined machines made for garden work, because it is not a complicated arrangement that requires skill to adjust and operate. It is very simple and can be changed to 6 distinct and perfect tools quickly by the use of four bolts

1st. Plow

2nd. Marker, for making furrows for planting. This is done by putting the two plows together. To cover seeds, reverse the plows.

3rd. Weeder, for working over the plants when small, breaking crust, killing weeds and creating a mulch.

4th. Hand Hoes for shallow cultivation work both sides of the row and cut all the grass at the same time leaving the ground nice and level.

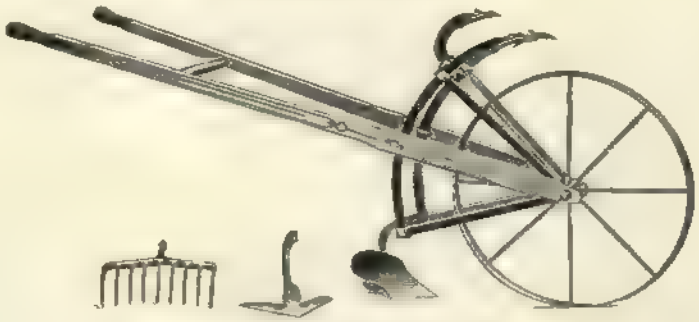
5th. Cultivator, has four reversible blades that work either side of the row, throwing soil toward the plants and leaving the furrow in the center of the row. These blades are made of the best material and will last for years.

6th. Hiller. By reversing the plows, plants can be hilled easily and perfectly. The handles are attached direct to the axle so they can be raised or lowered to suit any height person; this is done without the use of a wrench.

Reversible Steel Frame and Wheels.

	Each
No. 1—Moore's Gardener, without Weeder, Weight Each 30 Lbs.	$ 9.00
No. 2—Moore's Gardener, Complete with Weeder, Weight Each 33 Lbs.	10 00

MOORE'S GO-EASY.



Reversible Steel Frame and Wheels.

	Each
No. 30—Moore's Go-Easy, 23 in. Wheels, without Rake, Weight Each 25 Lbs	$5.00
No. 40—Moore's Go-Easy, 23 in Wheels Complete with Rake, Weight Each 28 Lbs.	6.00

The Moore's Go-Easy Cultivator is made of steel and iron. Has attachment to work garden crops from the time plants are out of the ground until the crop is ready to harvest. Handles attach direct to axle so that all pressure or power is fully utilized. They can be adjusted to any height person without a wrench

Plow is large and adapted to plowing ground for small gardens, furrowing for planting and hilling

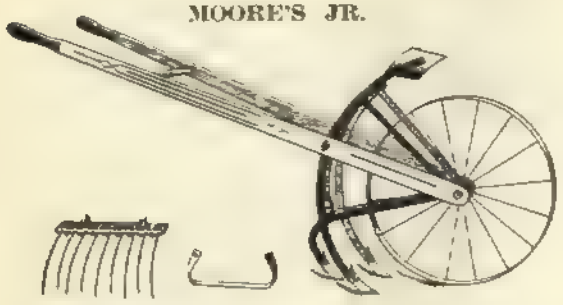
Rake will fit plowed ground for planting, break surface crust and destroy small weeds.

Sweep takes the place of a hand hoe and is a perfect tool for work in onion and other small garden crops.

Cultivator has bolted to Standard three large Reversible Steel Blades, which will scour in any soil. Center tooth can be removed and the two outside teeth can be used for covering seed.

Garden Cultivators.

MOORE'S JR.



Reversible, Steel Frame and Wheels.

Each

No. 10—Moore's Jr., 18 in. Wheels, without Weeder, Weight Each 20 Lbs. $4.50

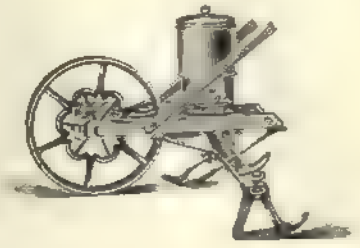
No. 20—Moore's Jr., 18 in. Wheels, Complete with Weeder, Weight Each 23 Lbs. 5.50

The Moore's Jr. Gardener is made with an 18 in. Steel Wheel with 1¼ in. wide Tire. The Frame is steel and will not bend or break. The Blades are reversible and will last for years. Combinations can be made to do all work necessary from the time seed is planted until the crop is ready to harvest. The combinations are as follows:

Plow, Marker or Hiller on Reverse Side and Weeder, Hand Hoe and Cultivator on the other side.

GARDEN DRILL ATTACHMENT.

MOORE'S SEED.



Each

Seed Drill—Without Handles, Can be Attached to "Moore's Gardener," and "Moore's Go-Easy" Cultivators $7.50

This Seeder will sow accurately and under all conditions. It is simple and easy to operate. To use this drill no skill or experience is needed.

MOORE'S NEW GEM.

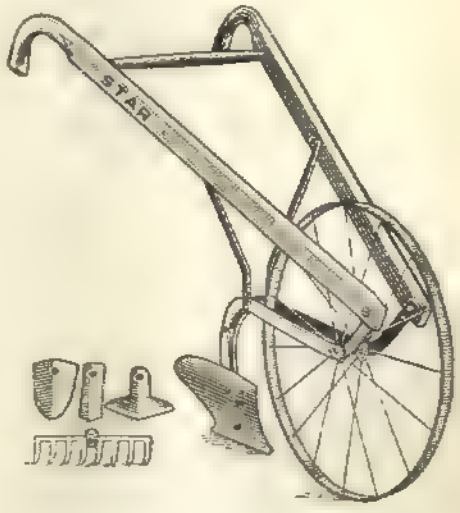
Each

No. 50—Moore's New Gem, without Rake, Weight Each 18 Lbs. $3.70

No. 60—Moore's New Gem, with Rake, Weight Each 19 Lbs. 4.00

The Moore's New Gem is a Combined Cultivator and Plow. Is made of steel and malleable iron.

STAR.



Each

Star—24 in. Steel Wheel, Steel Frame, Selected Hardwood Handle, Complete with Rake, Weeder, Mouldboard, Blade and Bull Tongue $4.00

Weight Each 20 Pounds.

The shape of the Beam and its attachment to the wheel and handles, over and forward of the center of the wheel, gives tenfold greater power.

Sleigh Bells.

Body Strap, Beveled Bells.

		Per String
No. 304—	30 No. 2 Bell Metal Bells, Extra White Metal Finish, Black Leather Strap	$4 80
No. 311—	36 No. 2 Nickel Plated Bell Metal Bells, Black Leather Strap	6.00

Body Strap, Wrought Steel, Arctic Bells.

		Per String
No. 37	30 1⅛ in. Nickel Plated Bells, Black Leather Strap	$2 40
No. 43—	30 1¼ in. Nickel Plated Bells, Black Leather Strap	2.70
No. 633—	36 1¼ in. Nickel Plated Bells, Black Leather Strap	3.00

Loose Sleigh Bells.

Round, Polished Brass

Nos.	1	2	3	4	5	6	7	8	9	10
Diameter, Inches	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 1/16	2¼	2 3/8
Per Dozen	$0.38	.52	.68	.82	.98	1.10	1.35	1.57	1.90	2 25

Horse Car Bells.

		Per Pound
No. 04—	3½ in., Diameter of Mouth, Tinned	$0.68

Open House Bells.

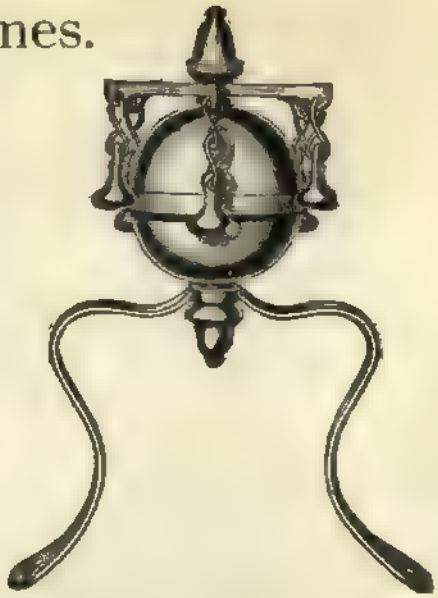
Brass, Half Polished.

Nos.	1	2	3	4	5	6	7
Diameter, Inches	2 1/8	2 3/8	2 5/8	2 7/8	3 1/4	3 1/2	3 3/4
Per Pound	$0.70	.70	.70	.70	.70	.70	.70

White Metal, Polished.

Nos.	1	2	3	4	5	6	7
Diameter, Inches	2 1/8	2 3/8	2 5/8	2 7/8	3 1/4	3 1/2	3 3/4
Per Pound	$0.70	.70	.70	.70	.70	.70	.70

Saddle Chimes.



Each

No. 02—Russian, Nickel Plated $4.50

Each

No. 435—Russian, Nickel Plated $2.20

Shaft Chime Sleigh Bells.

Per Pair

No. 105—Three Nickel Plated Bell Metal Bells, Leather Strap $1.00

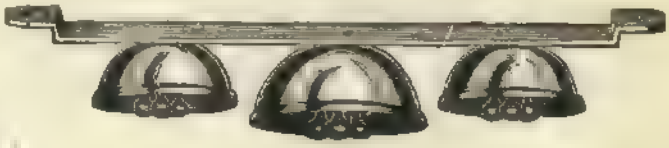
Per Pair

No. 100—Three Nickel Plated Steel Bells, Japanned Steel Strap $0.80

No. 102—Three Brass Plated Steel Bells, Japanned Steel Strap ..... .80

Per Pair

No. 240—Three Nickel Plated Bell Metal Bells, Nickel Plated Brass Strap.....$3.30



Per Pair

No. 33—Three Nickel Plated Bell Metal Bells, Nickel Plated Brass Strap.....$2.40

Per Pair

No. 222—Four Nickel Plated Swiss Bells, Harmonized, Nickel Plated Steel Strap..$3.00

Per Pair

No. 065—Four Nickel Plated Bell Metal Bells, Harmonized, Japanned Steel Strap...$3.50

Per Pair

No. 122—Four Nickel Plated Steel Bells, Chimed, Japanned Iron Strap $1.50

No. 21—Four Nickel Plated Swiss Bells, Harmonized, Japanned Iron Strap..... 3.00

Per Pair

No. 9½—Four Nickel Plated Swiss Bells, Harmonized, Nickel Plated Brass Strap .$3 70

No. 9 —Four Nickel Plated Swiss Bells, Tuned, Nickel Plated Brass Strap..... 5.80

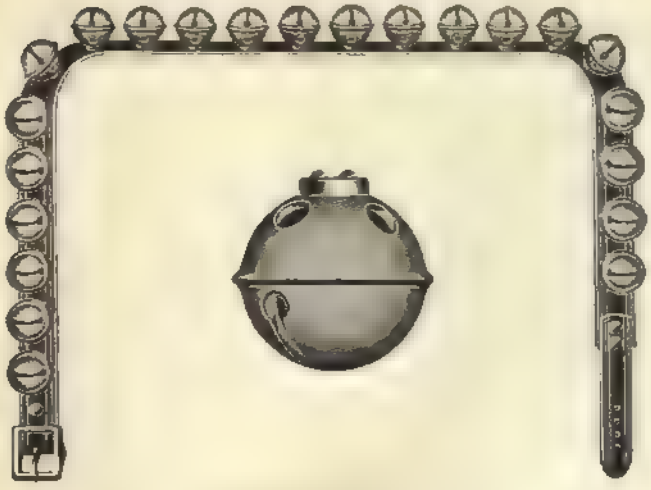
Sleigh Bells.

Body Strap, Arctic Bells.

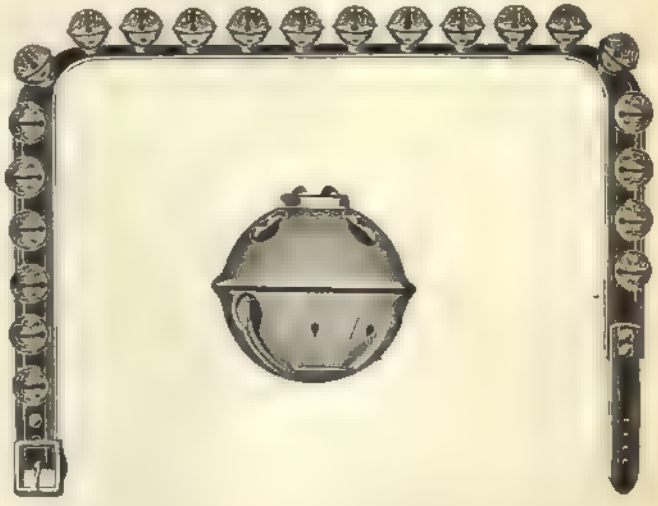
	Per String
No. 131—24 1⅛ in. Wrought Brass Bells, White Metal Finish, Riveted to Black Leather Strap	$2.30
No. 132—30 1⅛ in Wrought Brass Bells White Metal Finish, Riveted to Black Leather Strap	2.60
No. 133—30 1¼ in. Wrought Brass Bells, White Metal Finish, Riveted to Black Leather Strap	3.00

Body Strap, Globe Bells.

	Per String
No. 341—30 No. 2 White Metal Bells, Riveted to Black Leather Strap	$4.80
No. 1930—30 No. 2 Oroide Finish Bells, Riveted to Black Leather Strap	4.80
No. 3410—30 No. 2 Nickel Plated Bells, Riveted to Black Leather Strap	4.70
No. 194—36 No. 2 Nickel Plated Bells, Riveted to Black Leather Strap	5.50
No. 195—42 No. 2 Nickel Plated Bells, Riveted to Black Leather Strap	6 00



Nos. 209 and 193.

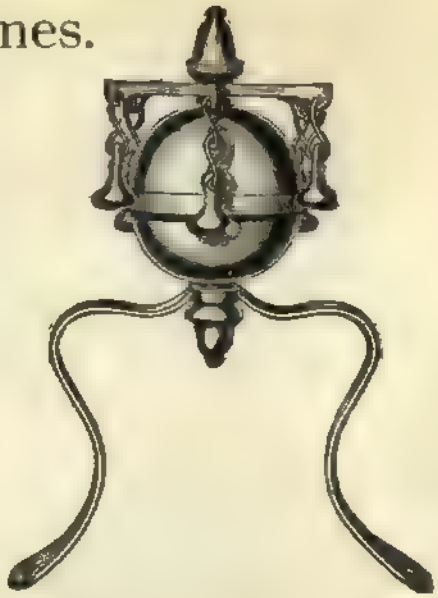


Nos. 169 to 181

Body Strap, Rim Bells.

	Per String
No. 6020—24 Common Tinned Rim Bells, 16 No. 2, 8 No. 3, Riveted to Black Leather Strap	$3.30
No. 6021—30 Common Tinned Rim Bells, 20 No. 2, 10 No. 3, Riveted to Black Leather Strap	3.80
No. 169—20 No. 3, Common Tinned Bell Metal Bells, Riveted to Black Leather Strap	2.70
No. 177 30 No. 2, Common Tinned Bell Metal Bells, Riveted to Black Leather Strap	3.30
No. 181 30 No. 3, Common Tinned Bell Metal Bells, Riveted to Black Leather Strap	3.80
No. 209—30 No. 4, Nickel Plated Bell Metal Bells, Riveted to Black Leather Strap	6.00
No. 193—30 No. 2, Bell Metal Bells, Extra White Metal Finish, Riveted to Black Leather Strap	4.50

Saddle Chimes.



Each

No. 02—Russian, Nickel Plated $4.50

Each

No. 435—Russian, Nickel Plated $2.20

Shaft Chime Sleigh Bells.

Per Pair

No. 105—Three Nickel Plated Bell Metal Bells, Leather Strap $1.00

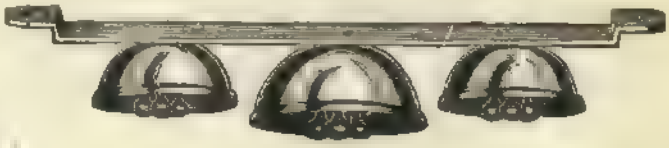
Per Pair

No. 100—Three Nickel Plated Steel Bells, Japanned Steel Strap $0.80

No. 102—Three Brass Plated Steel Bells, Japanned Steel Strap ..... .80

Per Pair

No. 240—Three Nickel Plated Bell Metal Bells, Nickel Plated Brass Strap.....$3.30



Per Pair

No. 33—Three Nickel Plated Bell Metal Bells, Nickel Plated Brass Strap.....$2.40

Per Pair

No. 222—Four Nickel Plated Swiss Bells, Harmonized, Nickel Plated Steel Strap..$3.00

Per Pair

No. 065—Four Nickel Plated Bell Metal Bells, Harmonized, Japanned Steel Strap...$3.50

Per Pair

No. 122—Four Nickel Plated Steel Bells, Chimed, Japanned Iron Strap $1.50

No. 21—Four Nickel Plated Swiss Bells, Harmonized, Japanned Iron Strap..... 3.00

Per Pair

No. 9½—Four Nickel Plated Swiss Bells, Harmonized, Nickel Plated Brass Strap .$3 70

No. 9 —Four Nickel Plated Swiss Bells, Tuned, Nickel Plated Brass Strap..... 5.80

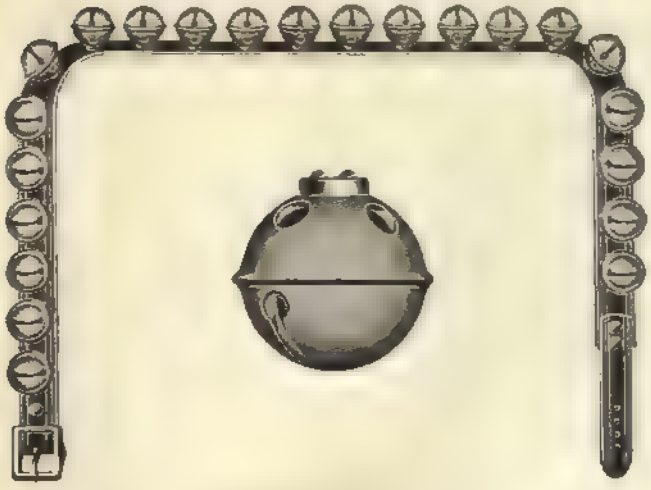
Sleigh Bells.

Body Strap, Arctic Bells.

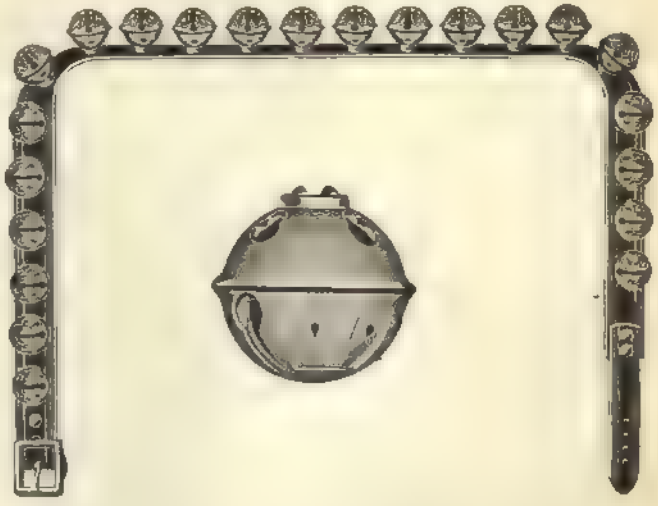
	Per String
No. 131—24 1⅛ in. Wrought Brass Bells, White Metal Finish, Riveted to Black Leather Strap	$2.30
No. 132—30 1⅛ in Wrought Brass Bells White Metal Finish, Riveted to Black Leather Strap	2.60
No. 133—30 1¼ in. Wrought Brass Bells, White Metal Finish, Riveted to Black Leather Strap	3.00

Body Strap, Globe Bells.

	Per String
No. 341—30 No. 2 White Metal Bells, Riveted to Black Leather Strap	$4.80
No. 1930—30 No. 2 Oroide Finish Bells, Riveted to Black Leather Strap	4.80
No. 3410—30 No. 2 Nickel Plated Bells, Riveted to Black Leather Strap	4.70
No. 194—36 No. 2 Nickel Plated Bells, Riveted to Black Leather Strap	5.50
No. 195—42 No. 2 Nickel Plated Bells, Riveted to Black Leather Strap	6 00



Nos. 209 and 193.



Nos. 169 to 181

Body Strap, Rim Bells.

	Per String
No. 6020—24 Common Tinned Rim Bells, 16 No. 2, 8 No. 3, Riveted to Black Leather Strap	$3.30
No. 6021—30 Common Tinned Rim Bells, 20 No. 2, 10 No. 3, Riveted to Black Leather Strap	3.80
No. 169—20 No. 3, Common Tinned Bell Metal Bells, Riveted to Black Leather Strap	2.70
No. 177 30 No. 2, Common Tinned Bell Metal Bells, Riveted to Black Leather Strap	3.30
No. 181 30 No. 3, Common Tinned Bell Metal Bells, Riveted to Black Leather Strap	3.80
No. 209—30 No. 4, Nickel Plated Bell Metal Bells, Riveted to Black Leather Strap	6.00
No. 193—30 No. 2, Bell Metal Bells, Extra White Metal Finish, Riveted to Black Leather Strap	4.50

Sleigh Bells.

Body Strap, Beveled Bells.

		Per String
No. 304—	30 No. 2 Bell Metal Bells, Extra White Metal Finish, Black Leather Strap	$4 80
No. 311—	36 No. 2 Nickel Plated Bell Metal Bells, Black Leather Strap	6.00

Body Strap, Wrought Steel, Arctic Bells.

		Per String
No. 37	30 1⅛ in. Nickel Plated Bells, Black Leather Strap	$2 40
No. 43—	30 1¼ in. Nickel Plated Bells, Black Leather Strap	2.70
No. 633—	36 1¼ in. Nickel Plated Bells, Black Leather Strap	3.00

Loose Sleigh Bells.

Round, Polished Brass

Nos.	1	2	3	4	5	6	7	8	9	10
Diameter, Inches	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2 1/16	2¼	2 3/8
Per Dozen	$0.38	.52	.68	.82	.98	1.10	1.35	1.57	1.90	2 25

Horse Car Bells.

		Per Pound
No. 04—	3½ in., Diameter of Mouth, Tinned	$0.68

Open House Bells.

Brass, Half Polished.

Nos.	1	2	3	4	5	6	7
Diameter, Inches	2 1/8	2 3/8	2 5/8	2 7/8	3 1/4	3 1/2	3 3/4
Per Pound	$0.70	.70	.70	.70	.70	.70	.70

White Metal, Polished.

Nos.	1	2	3	4	5	6	7
Diameter, Inches	2 1/8	2 3/8	2 5/8	2 7/8	3 1/4	3 1/2	3 3/4
Per Pound	$0.70	.70	.70	.70	.70	.70	.70

Lanterns.

BOY.

Per Dozen

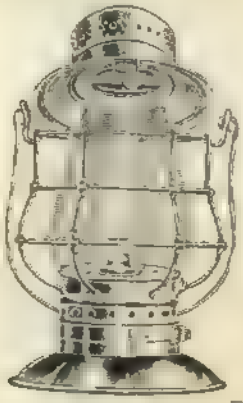
No. 50—Boy, Brass, No 0 Convex Burner, ¾ in Wick, Boy Globe . . $4 80

Simple in construction, easily taken apart, lighted and regulated from the outside

Average Wt. Per Box 65 Pounds.

Six Dozen in a Box.

STAR, RAILROAD.



Per Dozen

No. 39—Star, Hinge Top, Double Wire, Reinforced, One Piece Tin Oil Pot, Tin Bottom, Spring Globe Holder, Lard Oil Burner, Outside Wick Raiser, No. 39 Globe...$13.00

The Dome of this Lantern is drawn out of one piece heavy tin, thereby obviating the melting and warping of the top.

Average Wt. Per Dozen 43 Pounds.

One Dozen in a Box.

VESTA, RAILROAD.

For Kerosene.

Per Dozen

No. 40—Vesta Tubular, Round Blast, Hinge Top Wire Guard, Tin Mount Automatic Bayonet Catch, No. 0 Vesta Patent Steel Burner, ⅜ in. Wick, Dietz Full Weight Vesta Globe....$18.00

The Vesta Lantern gives a light of three candle power. The Fount holds oil to burn 16 hours.

Average Wt. Per Dozen 48 Pounds

One Dozen in a Box.

Dash Lanterns.

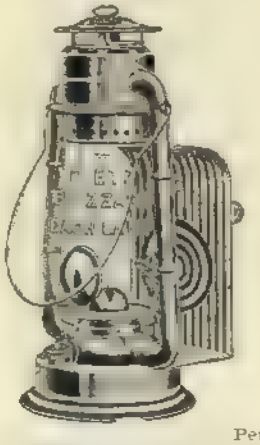
BUCKEYE.

Per Dozen

No. 13—Buckeye, Square Tubular, Side Lift, Blue Japanned Corrugated Circular Reflector, Bull's-Eye Lens on Perforated Plate, Dash Attachment and Hand Bail, No. 1 Burner, ⅝ in. Wick, No. 0 Globe $9.50

Average Wt. Per Dozen 52 Pounds

BLIZZARD.



Per Dozen

No. 22—Blizzard Cold Blast, Round Tubular, Side Lift, Blue Japanned Corrugated Reflector, Bull's-Eye Lens on Perforated Plate, Dash Attachment and Hand Bail, No. 2 Burner, 1 in. Wick, Blizzard Globe $15.00

Average Wt. Per Dozen 80 Pounds.

One-half Dozen in a Box.

BEACON REFLECTOR.

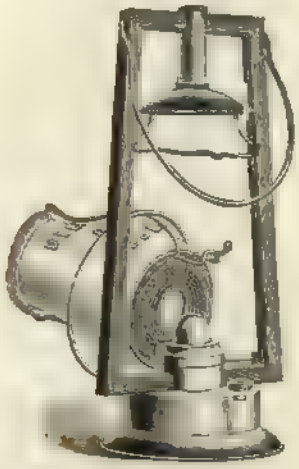
Per Dozen

No. 0—Beacon, Square Tubular, Top Lift, Tin Hood, 6 in. Deep, Fitted with 5 in. Silvered Glass Reflector, Dash Attachment and Hand Bail, No. 1 Long Cone Burner, ⅝ in. Wick, No. 0 Globe.....$21.00

Average Wt. Per Dozen 64 Pounds.

Tubular Lanterns.

O. K.



Per Dozen

No. 29—O. K., Square Tubular, Hinge Attachment with Guard, No. 1 Burner, ⅝ in. Wick, No. 0 Globe.....$6.75

Average Weight Per Dozen 34 Pounds

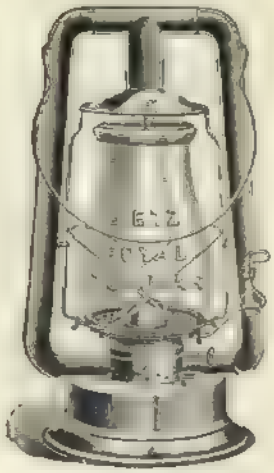
MONARCH.

Per Dozen

No. 27½—Monarch, Round Tubular, Side Lift, with Guard, Heavy Bottom, No. 1 Burner, ⅝ in. Wick, No. 0 Globe..$6.25

Average Weight Per Dozen 37 Pounds

ROYAL.



Per Dozen

No. 1B—Royal, Round Tubular, Side Lift, with Guard, Large Fount, No. 2 Burner, 1 in. Wick, No. 0 Globe.....$8.50

Average Weight Per Dozen 40 Pounds.

CRYSTAL.

Per Dozen

No. 17—Crystal, Square Tubular, Side Lift, with Guard and Side Braces, Glass Fount, No. 1 Burner, ⅝ in. Wick, No. 0 Globe $9.00

Average Weight Per Dozen 45 Pounds.

One-half or One Dozen in a Box

Tubular Lanterns.

JUNIOR COLD BLAST.

Per Dozen

Junior Tin—Cold Blast, 12 in. High, Round Tubular, Side Lifts, No. 1 Burner, ⅝ in. Wick, Junior Blizzard Globe ..... $ 8.50

Average Weight Per Dozen 32 Pounds.

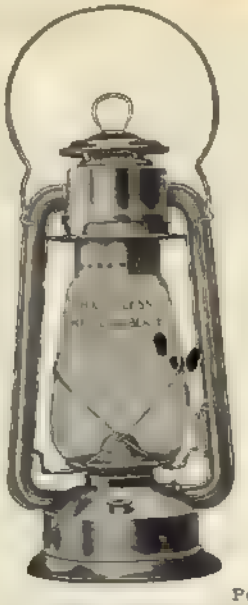
Junior Brass—Brass Frame, Otherwise Same Description as Junior Tin 14 25

Junior Brass, Nickel Plated Brass Frame, Otherwise Same Description as Junior Tin 21 00

Average Weight Per Dozen 38 Pounds.

One Dozen in a Box.

HAM'S COLD BLAST.



Per Dozen

No. 1—Ham's Cold Blast, Two Piece Tube, Clipper Lift, with Guard, No. 1 Cold Blast Burner, ⅝ in. Wick, No. 0 Cold Blast Globe $9.80

Average Wt. Per Dozen 44 Pounds.

Per Dozen

No. 2—Ham's Cold Blast, Two Piece Tube, Clipper Lift, with Guard, No. 2 Cold Blast Burner, 1 in. Wick, No. 0 Cold Blast Globe $10.50

No. 23—Ham's Cold Blast, with Copper Fount, Otherwise Same Description as No. 2 ..... 13.80

No. 33—Ham's Cold Blast, with Brass Fount, Otherwise Same Description as No. 2 ..... 13.80

Average Wt. Per Dozen 50 Pounds.

One-half or One Dozen in a Box.

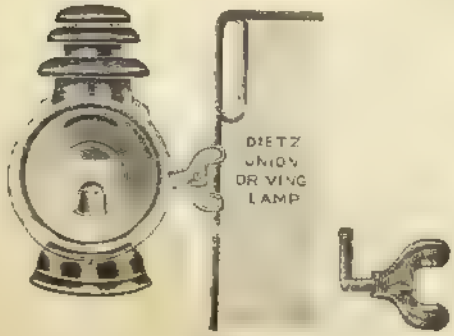
Per Dozen

No. 24—Ham's Cold Blast, Two Piece Tube, Extra Large Tin Fount, Clipper Lift with Guard, No. 2 Cold Blast Burner, 1 in. Wick, No. 0 Cold Blast Globe $12.00

Average Wt Per Dozen 50 Pounds.

Lamps.

DIETZ DRIVING.



Union.

Per Dozen

No. 35—**Dietz Union,** Drawn Heavy Gauge Soft Steel Body, Black Japanned, Heavy Gauge Aluminum Reflector, Pressed Lead Flint Glass Lens Special Burner, ⅝ in. Wick, with Bail and Holder $43.00

No. 37—Extra Holders for Use on Side of Dash 5.00

No. 38—Extra Lenses, with Tin Rims 12.00

A light of 20 Candle Power; can be placed in front of dash by means of permanent spring on back, also on right or left side of dash by means of the holder.

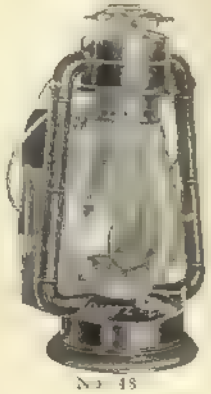
Average Weight Per Dozen 70 Pounds.

One-half Dozen in a Box.

TUBULAR SIDE.

No. 15.

JUNIOR SIDE.



No. 48.

Per Dozen

No. 15—**Dietz,** Cold Blast, Tubular, Blue Japanned, 5 in. Silvered Glass Reflector, No. 1 Burner, ⅝ in. Wick, No. 0 Globe $22 00

Average Weight Per Dozen 44 Pounds.

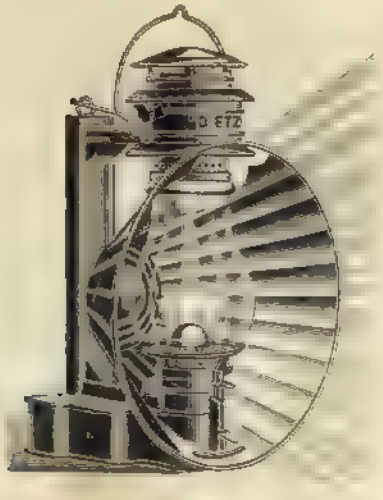
Can be lighted, regulated and extinguished without removing the globe. Is not affected by currents of air, and gives a good light.

Per Dozen

No. 48—**Dietz,** Junior Side, Cold Blast, Round Tubular Side Lift, Japanned, Corrugated Reflector, Bull's-Eye Lens, Red Danger Signal in Rear, No. 1 Burner, ⅝ in. Wick, Junior Blizzard Globe, Complete with Bracket.....$16.00

One-half Dozen in a Box.

Search Lights.

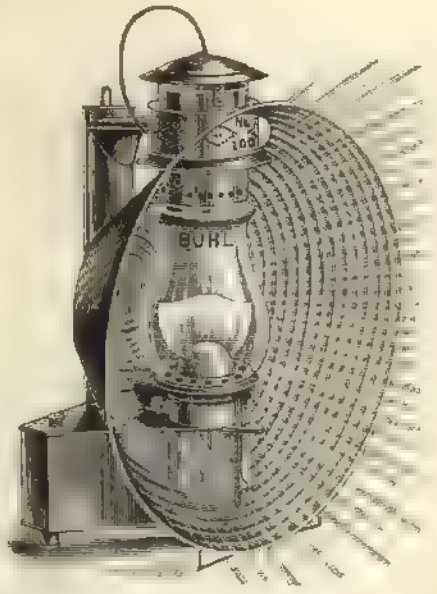


Per Dozen

No. 30—**Dietz,** Cold Blast, Tubular, Blue Japanned, Bright Tin Reflector, 12 in. in Diameter, 7 in. Deep, Bull's-Eye Lens, Attached to Perforated Plate, Inside of Globe, No. 2 Burner, 1 in Wick, No. 0 Globe .$30 00

Average Weight Per Box 29 Pounds.

One-quarter Dozen in a Box.



Per Dozen

No. 100—**Buhl,** Cold Blast, Tubular, Blue Japanned, Nickel Plated Brass Reflectors, 7 in. in Diameter, 16 in. Hood, No. 2 Burner, 1 in. Wick, No. 0 Cold Blast Globe.....$33.00

Average Weight Per Box 48 Pounds.

One-half Dozen in a Box.

Vestibule Vault Doors.

FIRE-PROOF.

No. 1. Vault Front, Closed.

No. 1. Vault Front Open.

The Outside Door is made of $\frac{7}{16}$ in. Steel Plate, Reinforced around the Four Edges with ¼ in. Angle, making a $\frac{7}{16}$ in. Edge. The Outside Door interlaps back of the Angle Frame, which gives a tight fit, and the Inside Doors lay flat against the back frame when closed. The vestibule between Outside and Inside Doors is 19 in.

Outside Door is locked by six Steel Bolts 1 in. diameter (Four Cross Bolts, One Up and One Down), controlled by Yale Four Tumbler Combination Lock. Bolts are operated by $\frac{1}{4}$ in. Driving Bar. Bolts and Driving Bar are Nickel Plated. Inside Doors have Yale Key Lock operating Flat Up and Down Bolts.

These Doors are very strongly made and the best of materials used throughout. Are handsomely finished in Dark Green, Gold Striped, and your name lettered on if required without extra charge.

	Each
No. 1—Standard Size, Wall Opening 78½ in. High, 32½ in. Wide, 20 in. Deep; Door Opening 74 in. High, 28 in. Wide.	$67.50

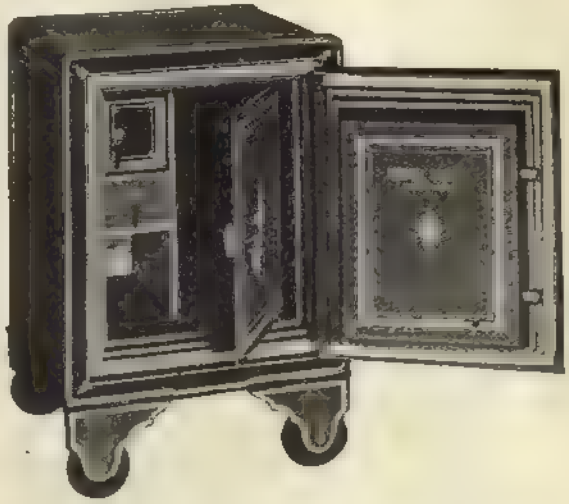
Approximate Weight 700 Pounds

Shipped Crated, F. O. B. Minneapolis, Minn

Wall Safes.

MITCHELL MEDIUM.

No. 300.



No. 303

Construction and Material Used:—The body of these Safes is made of one continuous sheet of Bessemer Steel, forming top bottom and two sides, being securely riveted at the bottom with heavyed of one sheet of selected Bessemer Steel set in side the angle pass entirely around the body of the Safe, one at the front and one at the back, each formed of one continuous bar of angle steel welded at each corner (not riveted) The back of the Safe is formed of one sheet of selected Bessemer steel set inside the angle frame This method of construction eliminates all weak spots, giving the greatest strength and rigidity to the Safe so that it will stand a fall from a considerable height, and prevents it being crushed by walls or heavy timbers falling upon it A special feature of these Safes is the intersecting flange on the inner edge of the door which fits in behind the angle frame, thus giving a close fit and increasing the efficiency of the Safe in excluding heat and moisture. Heavy outside hinges securely riveted to the angle frame and door are used; also asbestos packing around the door frame and door.

Fire-Proof Composition—The Composition is composed of the most effective heat resisting ingredients with cement as a base It is mixed by Mitchell process by experts, is introduced into the walls of the Safe in a semi-liquid state and allowed to harden. The greatest care has to be used in this operation and our Composition is such that when exposed to heat, owing to its chemical nature it throws off a vapor which is a non-conductor of heat After fire proof composition has gone through this process, it loses its fire-proof qualities. This explains why a second-hand safe that has gone through a fire is of no value so far as fire protection is concerned The Mitchell Safes have been given actual tests by subjecting them to steady and intense heat for long periods, and in every case the interior of the Safe and its contents have been perfectly preserved

Operation:—The bolt work is of the special design, simple in construction and never gets out of order. The lock and bolt works are easy of access for oiling and changing the combination if desired Yale Combination Locks on outside doors and Yale key locks on inside doors, cash box and lock drawers are used Yale locks are considered the best made cannot be picked and operate only on the numbers on which the combination is set. These locks can be set on one, two, three or four number combinations as desired.

Decoration:—These Safes are handsomely finished in Dark Green and Gold stripes, and we letter your name on if requested without extra charge

Each

No. 300—Outside Measurement, 24½ in. High, 14¾ in Wide, 15 in Deep; Inside Measurement, 11½ in. High, 7¾ in. Wide, 8 in. Deep; without Inside Door, Approx Weight 300 Lbs; Interior Arrangement: Sub Treasury 4½x4½ in., 1 Drawer 3x4½ in., 1 Pigeon Hole 4x4½ in., 1 Book Space 11½x3 in..... $25.00

No. 301—Outside Measurement, 23½ in. High, 18½ in Wide, 19 in. Deep; Inside Measurement 11½ in High, 10¼ in Wide, 10 in Deep; without Inside Door, Approx. Weight 350 Lbs ; Interior Arrangement: Sub Treasury 4½x4½ in., 1 Drawer 3x4½ in., 1 Pigeon Hole 4x4½ in., 1 Book Space 11½x5½ in..... 30.00

No. 302—Outside Measurement. 27¾ in High, 19⅛ in Wide. 19 in Deep; Inside Measurement, 13¼ in. High, 11¼ in. Wide, 10 in. Deep; with Inside Door, Approx. Weight 450 Lbs.; Interior Arrangement: Sub Treasury 4½x4½ in., 1 Drawer 3x4½ in., 1 Pigeon Hole 3x4½ in., 1 Pigeon Hole 2x4½ in., 1 Book Space 13¼x6½ in. 35.00

No. 303—Outside Measurement 31 in. High, 22 in. Wide 23 in Deep; Inside Measurement, 15¾ in. High, 13¼ in. Wide, 13 in. Deep; with Inside Door, Approx. Weight 750 Lbs.; Interior Arrangement: Sub Treasury 5¼x5 in., 1 Drawer (with Lock) 3x5 in., 1 Pigeon Hole 3¾x5 in., 1 Book Space 15⅝x8 in..... 45.00

Shipped F. O. B. Minneapolis, Minn.

Wall Safes.

MITCHELL MEDIUM.

Nos. 305 and 306

No. 309

Each

No. 304—Outside Measurement, 34 in. High, 23¼ in. Wide, 24 in Deep. Inside Measurement, 17¾ in. High, 15¼ in Wide, 14 in. Deep; with Inside Door, Approx Weight 900 Lbs., Interior Arrangement: Sub Treasury 5¼x5 in., 1 Drawer (with Lock) 3x5 in., 1 Pigeon Hole 3x5 in.; 3 Book Spaces, 1 Each 5¾x5 in., 4½x10 in. and 13x10 in. $52.50

No. 305—Outside Measurement, 37 in. High, 25¼ in Wide, 25 in. Deep; Inside Measurement, 20¾ in High, 16½ in. Wide, 15 in. Deep; with Inside Door, Approx. Weight 1,050 Lbs ; Interior Arrangement: Sub Treasury 5¼x5 in., 1 Drawer (with Lock) 3x5 in., 3 Pigeon Holes, One 3x5 in. and Two 3x5½ in., 2 Book Spaces, One 8¾x5 in. and One 17½x11¼ in . . . 60.00

No. 306—Outside Measurement, 39 in. High, 26¼ in. Wide, 26 in. Deep; Inside Measurement 23¼ in. High, 18 in Wide, 16 in. Deep; with Inside Door, Approx. Weight 1200 Lbs.; Interior Arrangement: Sub Treasury 5¼x5 in , 1 Drawer (with Lock) 3x5 in., 3 Pigeon Holes, One 3x5 in. and Two 4x6¼ in., 3 Book Spaces, One 11¼x5 in., Two 19x6¼ in. 70.00

No. 307—Outside Measurement, 41¼ in. High, 29¼ in. Wide, 26 in. Deep; Inside Measurement, 25½ in. High, 21 in. Wide, 16 in. Deep; with Inside Door, Approx. Weight 1,400 Lbs.; Interior Arrangement: Sub Treasury 6½x5½ in., 7 Pigeon Holes, Four 4x3½ in., Two 4x7½ in., One 3x6 in., 3 Book Spaces, One 9x5½ in., Two 17x7½ in., 2 Lock Drawers 3x5½ in. 85.00

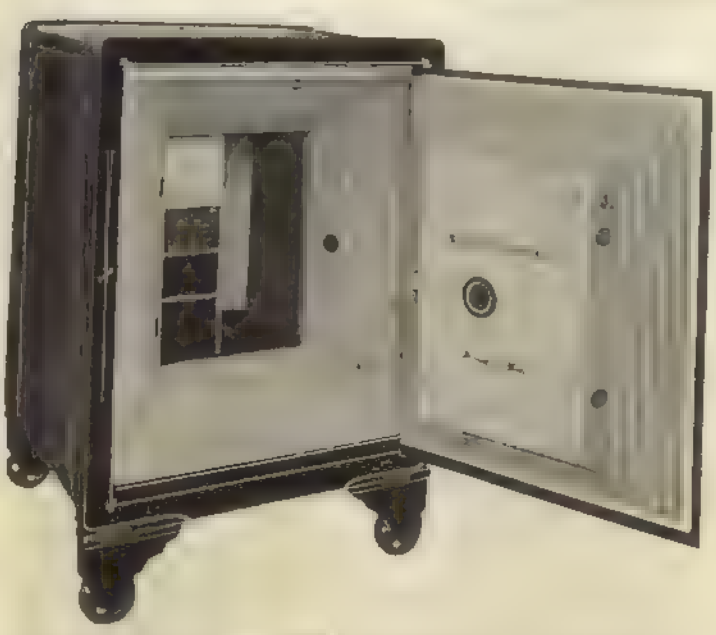
No. 309 Outside Measurement, 62 in. High, 28 in. Wide, 26 in Deep; Inside Measurement, 46 in High, 19 in Wide, 16 in. Deep, with Double Inside and Outside Doors, Approx. Weight 2,200 Lbs.; Interior Arrangement: Sub Treasury 10x8 in., 4 Pigeon Holes 4½x4 in., 4 Book Spaces, Two 19x9½ in , One 14⅜x10¾ in. and One 12½x10¾ in , One Lock Drawer 3x8 in. 120.00

No. 310—Outside Measurement 53½ in High, 36 in. Wide, 27 in Deep' Inside Measurement, 36½ in. High, 26¼ in. Wide, 17 in. Deep; with Inside Door. Approx. Weight 2,300 Lbs.; Interior Arrangement: Sub Treasury 10x8 in , 16 Pigeon Holes, 4½x4½ in , 5 Book Spaces, Two 14½x4½ in., Two 17x9 in., One 10¼x8 in., 2 Lock Drawers 3x8 in. 140.00

Shipped F O. B. Minneapolis, Minn.

Wall Safes.

MITCHELL, EXTRA HEAVY.



No. 2

No. 6

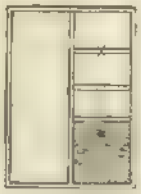
Nos.	Outside Measurement, Inches.	Inside Measurement, Inches.	Approximate Weight, Pounds.	Without Inside Door.	With Inside Door.
1	25½x16½x17	12½x10 x 9	400	$ 35 00	. . .
2	33½x22¼x21¾	14 x11 x11	700	42 50	. . . . .
3	35½x24¾x23	16 x12 x12	1025	50 00	$ 53 50
5	43 x29 x27¾	20 x14 x12	1500	70 00	74 00
6	44 x30¾x28¾	22 x16 x14	1800	80 00	84.00
7	46½x31¾x32¾	24 x17 x15	2000	95.00	100.00
8	52 x35¾x32	29 x20 x15	2300	115.00	120.00
10	56 x34¾x32	34 x20 x15	2700	125.00	130.00
61	57 x41 x29½	34 x26 x16	4000	200.00	200.00
64	74 x51 x37	47½x35½x18	7000	325.00	325.00

NOTE. No 61 and 64 have Double Outside and Inside Doors

SHOWING ARRANGEMENT OF CABINET.

No.

No. 2



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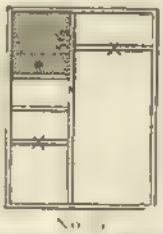

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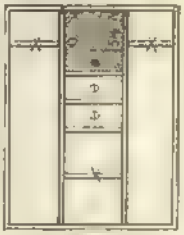

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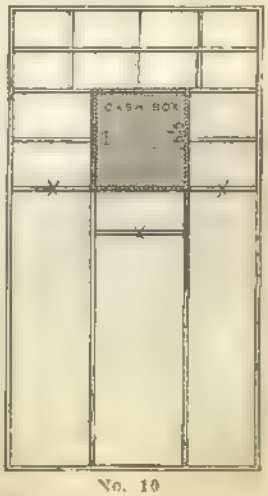

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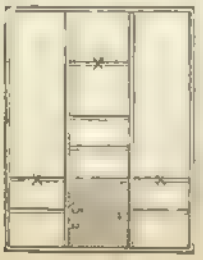

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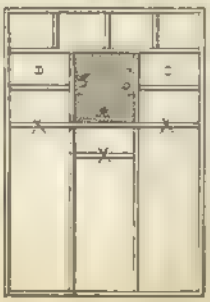
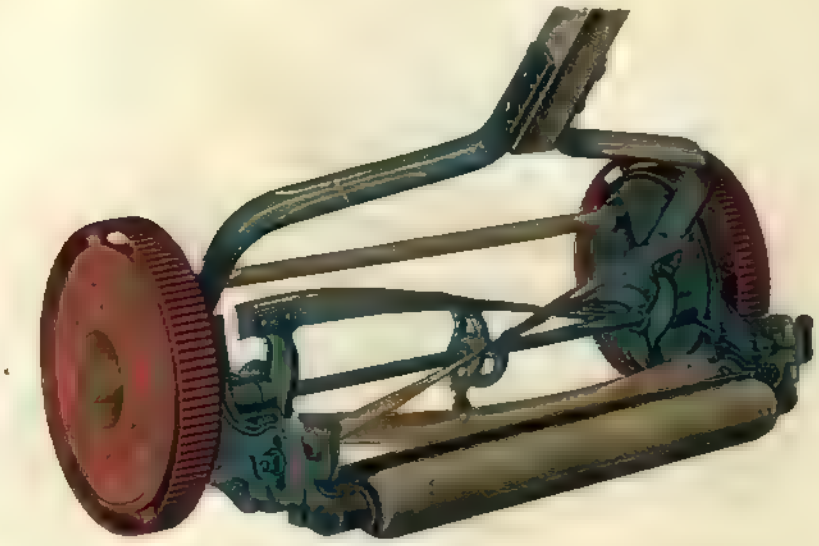


No. 8

Lawn Mowers.

BANNER.

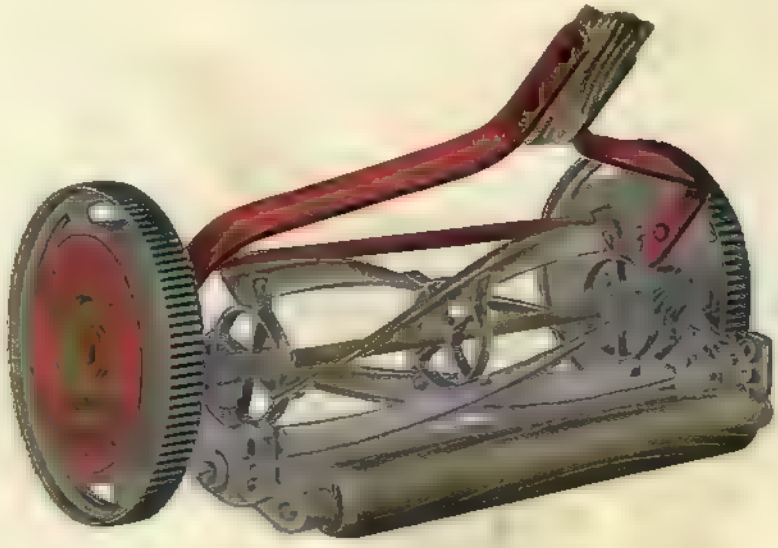


8 in. Drive Wheels, Open Cylinder, with Three Knives.

Width of Cut, Inches	14	16	18
Weight Each, Boxed, Lbs.	40	43	45
Each	$4 80	5.20	5.60

The material used in this Mower is of the highest grade and quality. The Cutting Knives are of special pattern and are made of extra quality Cast Steel, hardened and tempered in Oil, and are self-sharpening.

CUTWELL, HIGH WHEEL.



9 in. Drive Wheels, Open Cylinder, with Four Knives

Width of Cut, Inches	14	16	18
Weight Each, Boxed, Lbs.	36	38	40
Each	$5 70	6 20	6.70

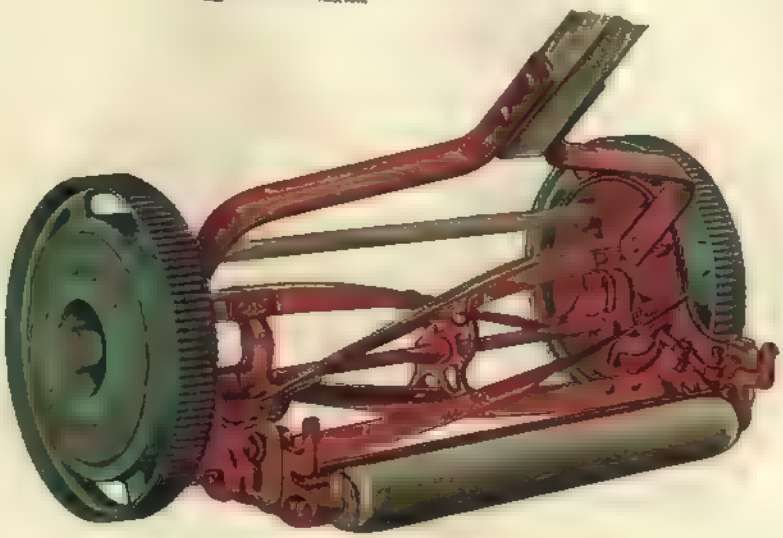
All knives in this Machine are of hardened Steel, set screw adjustments. Hardened Steel Lock Pawls. Warranted in every particular.

The Tension Draw-Cut principle used in this Mower completely reverses the old way of cutting grass. The grass is drawn under the Tension across the Sharp Edge of the Stationary Knife (which is the Cutting Knife) and severed most easily.

One in a Box.

Lawn Mowers.

EVERKEEN HIGH WHEEL.



9 in. Drive Wheels, Open Cylinder, with Four Knives.

Width of Cut, Inches	14	16	18
Weight Each, Boxed, Lbs	45	46	48
Each	$7.00	7.50	8.00

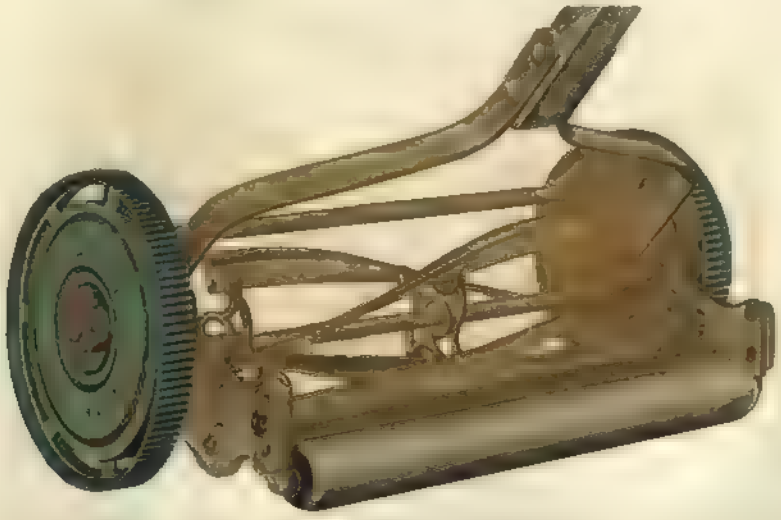
The EVERKEEN High Wheel Mower is so constructed that it will cut much higher grass than many other machines having larger wheels. The revolving knife, or wiper, having four blades, gives it rapid action, making a smooth, clean cut.

It is made throughout of the very best materials, including Crucible Cast Steel Knives hardened and tempered in oil and the celebrated Enos Self-Sharpening Dead Knife.

It is built by skilled mechanics in a simple and practical manner, making it a most serviceable machine for domestic use.

By simply adjusting the Dead Knife, it can be kept sharp for years thus saving the yearly annoyance of having it ground and more than saving its cost thereby.

BELFORT, BALL BEARING.



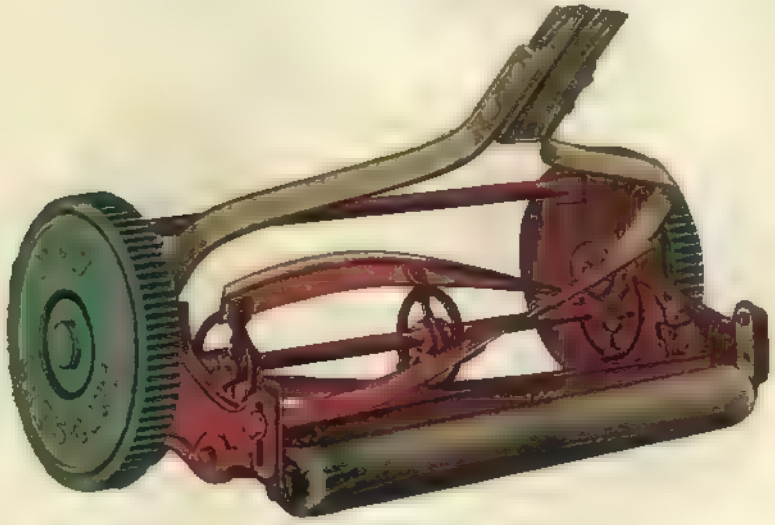
8¼ in. Drive Wheels, Open Cylinder, Four Knives, Highest Grade Solid Cone Steel Ball Bearing Parts. Thoroughly Hardened and Ground, Dust Proof.

Width of Cut, Inches	14	16	18
Weight Each, Boxed, Lbs	43	45	47
Each	$7.10	7.40	7.70

One in a Box.

Lawn Mowers.

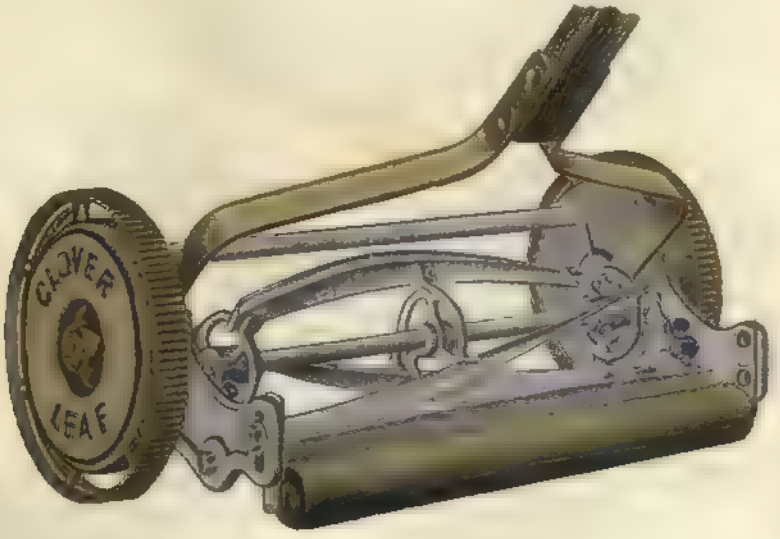
NEW CRESCENT.



8 in. Drive Wheels, Open Cylinder, Three Knives, Steel Reel Shaft, Adjustable Brass Bushings.

Width of Cut, Inches	12	14	16
Weight Each, Boxed, Lbs.	40	43	45
Each	$4.30	4.30	4.30

CLOVER LEAF.



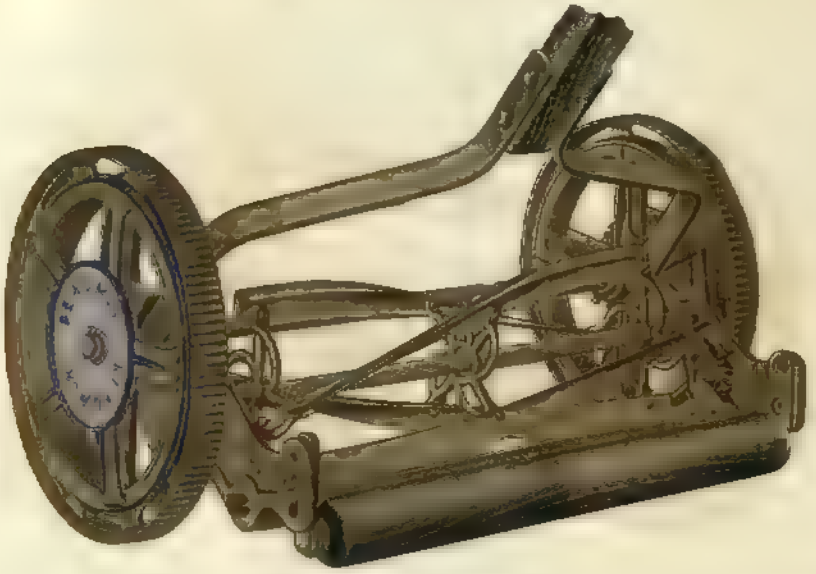
8¼ in. Drive Wheels, Open Cylinder, Three Knives, Steel Reel Shaft, Adjustable Brass Bushings.

Width of Cut, Inches	12	14	16
Weight Each, Boxed, Lbs.	40	43	45
Each	$4.30	4.50	4.70

One in a Box.

Lawn Mowers.

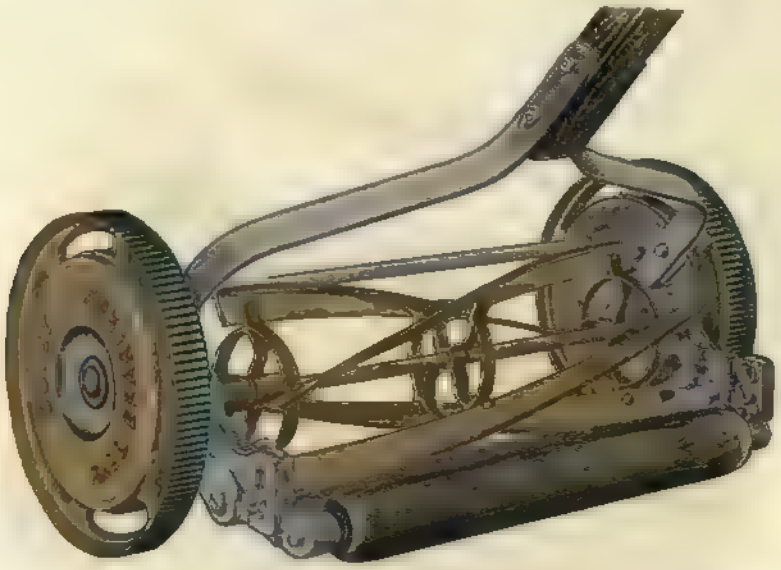
BEAUMONT, BALL BEARING.



10½ in. Drive Wheels, 6 in. Open Cylinder, Four Knives, Highest Grade Solid Cone Steel Ball Bearing Parts, Thoroughly Hardened and Ground, Dust Proof.

Width of Cut, Inches	14	16	18
Weight Each, Boxed, Lbs	53	55	57
Each	$8.30	8.80	9.30

COLBY.



Self-Adjusting Ball Bearing.

9 in. Drive Wheels, Open Cylinder with Four Knives.

Width of Cut, Inches	14	16	18
Weight Each, Boxed, Lbs	40	41	43
Each	$8.00	8.50	9.00

The Colby Mower is equipped with Self-Adjusting Ball Bearings, obviating any adjustment. With this device the adjustment need never be touched as it adjusts itself.

The Stationary Knife has lipped edge against which the revolving knives shear, making the mower self-sharpening.

The Tension Draw-Cut principle used in this Mower completely reverses the old way of cutting grass. The grass is drawn under the Tension across the sharp edge of the Stationary Knife (which is the Cutting Knife), and severed most easily.

One in a Box.

Fancy Wood Planes.

OHIO TOOL CO.'S.

TOOTH.

	Each
No. 30—7 in. Long, 2 in. Cast Steel Single Iron	$1.00
No. 30—7 in. Long, 2¼ in. Cast Steel Single Iron	1.10
No. 30—7 in. Long, 2¼ in. Cast Steel Single Iron	1.20

MITRE.

	Each
No. 31—9 in. Long, Smooth Shape, 1⅞ in Cast Steel Single Iron	$0.75
No. 31A 9 in. Long, Square Shape, 1¾ in Cast Steel Single Iron	.75

NOSING MOULDING.

	Each
No. 89—Depth ¾ and ⅞ in.	$0.90
No. 89—Depth 1 and 1¼ in.	1.00

NOSING STEP.

	Each
No. 90—1 Iron, ⅞, 1, 1⅛ and 1¼ in.	$0.80
No. 90—1 Iron, 1⅜ and 1½ in.	1.00

NOSING STEP.

	Each
No. 91—2 Irons, ⅞, 1, 1⅛ and 1¼ in.	$1.10
No. 91—2 Irons, 1⅜ and 1½ in.	1.20

	Each
No. 92—2 Irons, ⅞, 1, 1⅛ and 1¼ in., with Handle	$1.50
No. 92—2 Irons, 1⅜ and 1½ in., with Handle	1.75

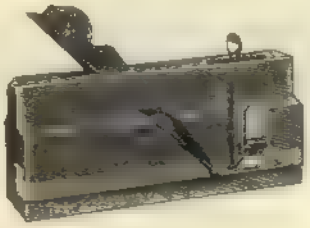
DADO.

	Each
No. 47—Brass Side Stop, ½, ¾ and ⅞ in.	$1.10

	Each
No. 48—Screw Stop, ¼, ⅜, ⅜, ½, ⅝, ¾, ⅞ and 1 in.	$1.50

FILLETSTER.

	Each
No. 53—With Cutter and Brass Side Stop	$1.40
No. 54—With Cutter and Brass Side Stop, Boxed	1.85

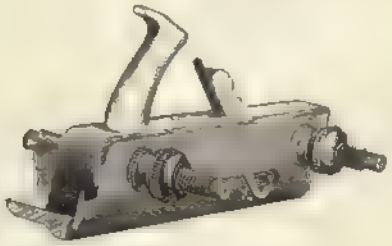


	Each
No. 55 With Cutter and Brass Screw Stop, Boxed	$2.50

Fancy Wood Planes.

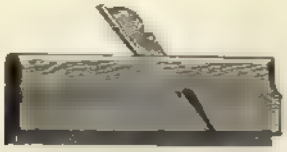
OHIO TOOL CO.'S.

PLANK MATCH.



Per Pair
No. 84—Match, with Screw Arms, Plated.....$4.00

BOARD MATCH.

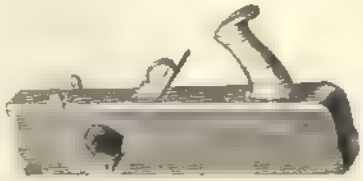


Per Pair
No. 75—Match, ½, ¾, ⅞ and 1 in.....$1.50
No. 76—Match, Plated, ½, ¾, ⅞ and 1 in..... 1.75

SKEW RABBET.

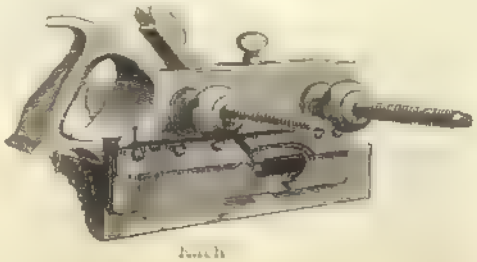
Per Pair
No. 116—Rabbet, ½, ⅝, ¾, ⅞ and 1 in....$0.60
No. 116—Rabbet, 1⅛ and 1¼ in..... .65
No. 116—Rabbet, 1 [illegible] in. .70
No. 116—Rabbet, 1 [illegible] in. .80
No. 116—Rabbet 2 [illegible] in. 9

JACK RABBET.



Per Pair
No. 119—Rabbet, 1¼, 1½, 1¾ and 2 in., Two Side Cutters, Oblique Handle.....$1.90
No. 119½—Rabbet, 1¼, 1½, 1¾ and 2 in. Two Side Cutters, Side Handle 1 90

PANEL PLOW.



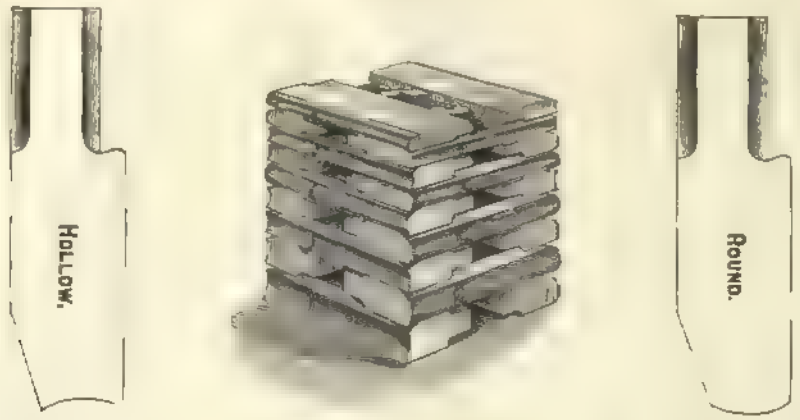
Each
No. 96½—Beech, 8 Irons, Screw Stop, with Handle $6.50
No. 97—Beech, 8 Irons, Screw Stop, Boxed Fence, with Handle..... 6 85
No. 101—Beech, 8 Irons, Boxwood Arms, Boxed Fence, with Handle.....$8.00
No. 107A—Applewood, 8 Irons, Screw Stop, Boxed Fence, with Handle..... 7 75

Plow Plane Arms.

Each
Applewood Plow Plane Arms.....$2.00

Fancy Wood Planes.

HOLLOWS. OHIO TOOL CO.'S. ROUNDS.



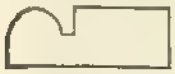
No. 72	Nos.	1	2	3	4	5	6	7	8	9
	inches	1/4	5/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4
	Works on Circle, Inches	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
	Each	$0.50	.50	.50	.50	.50	.50	.58	.58	.58

No. 72—Set of 9, Assorted from 1 to 9 ..... Per Set $4.73

No. 73	Nos.	10	11	12
	Inches	1 3/8	1 1/2	1 5/8
	Works on Circle, Inches	2 3/4	3	3 1/4
	Each	$0.68	.68	.68

In Ordering Hollows and Rounds be Careful to Give Number of Plane, and Whether Hollow or Round is Wanted.

SIDE BEAD.



Single Boxed.

	Each
No. 37 — 1/4 to 1/2 in.	$0.50
No. 37— 5/8 to 3/4 in.	.55
No. 37 — 7/8 to 1 in.	.70
No. 37—1 1/8 to 1 1/4 in.	.90

CENTER BEAD.

Double Boxed.

	Each
No. 41—1/8 to 1/2 in.	$0.60

REEDING.

Two Beads.

	Each
No. 122—1/4 to 1/2 in.	$1.40

COVE.

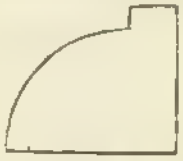
	Each
No. 43— 1/2 to 3/4 in.	$0.50
No. 43—7/8 to 1 in.	.65

CASING MOULDING.

With Fence.

	Each
No. 43 1/8—1/2 to 3/4 in.	$0.80
No. 43 1/8—7/8 to 1 in.	.90

CASING MOULDING.

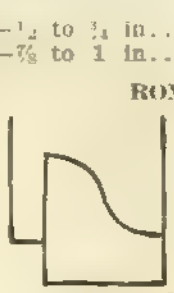


	Each
No. 43 1/4 — 1/2 to 3/4 in.	$0 80
No. 43 1/4 — 7/8 to 1 in	.90
No. 43 1/4—1 1/4 in.	1.00

QUARTER ROUND.

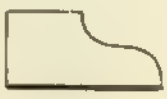
	Each
No. 43 1/2— 1/2 to 5/8 in.	$0.50
No. 43 1/2— 3/4 to 1 in.	.65
No. 43 1/2—1 1/4 in.	.75

ROMAN REVERSE OGEE.



With Fence.

	Each
No. 62 1/4— 3/8 to 5/8 in.	$0.80
No. 62 1/4— 3/4 to 1 in.	.90
No. 62 1/4—1 1/4 in.	1.05
No. 62 1/4—1 1/2 in.	1.20



	Each
No. 62 1/2— 3/8 to 5/8 in.	$0.75
No. 62 1/2— 3/4 to 1 in.	.85
No. 62 1/2—1 1/4 in.	1.00
No. 62 1/2—1 1/2 in.	1.15

Bench Planes.

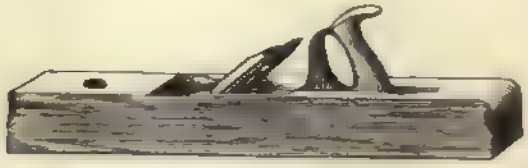
OHIO TOOL CO.'S.

No. 1—German Pattern, Smooth or Scrub, Beechwood, 8½ in Long, 1¼ in Cast Steel Single Iron — Each $1.20

No. 3—Smooth, 8 in. Long, 2 to 2¼ in Double Iron, Polished Start — Each $0.90
No. 4—Smooth 8 in. Long, 2 to 2¼ in Double Iron, Polished Iron Start — 1.00

No. 5—Handled Smooth, 8 in Long, 2 to 2¼ in. Double Iron, Solid Handle — Each $1.75
No. 5½—Handled Smooth, 8 in. Long, 2 to 2¼ in. Double Iron, Jack Handle — 1.50
No. 7—Boys' Handled Smooth, 5 in. Long, 1¼ in. Single Iron — .65

No. 15—Jack, 16 in Long, 2 to 2¼ in. Double Iron, Polished Start — Each $1.00
No. 16—Jack, 16 in. Long, 2 to 2¼ in. Double Iron, Polished Iron Start, Bolted Handle — 1.25
No. 17—Boys' Jack, 12 in. Long, 1½ in. Single Iron — .75



No. 21—Fore, 22 in Long, 2⅜ to 2½ in Double Iron, Polished Start — Each $1.70
No. 22—Fore, 22 in. Long, 2⅜ to 2½ in Double Iron, Iron Start, Bolted Handle — 2.30

No. 27—Jointer, 26 in Long, 2½ to 2¾ in. Double Iron, Polished Start — Each $1.80
No. 27—Jointer, 28 in Long, 2½ to 2¾ in. Double Iron, Polished Start — 1.90
No. 27—Jointer, 30 in. Long, 2½ to 2¾ in. Double Iron, Polished Start — 2.15
No. 27—Jointer, 32 in. Long, 2½ to 2¾ in. Double Iron, Polished Start — 2 55

Adjustable Scraper Planes.

STANLEY'S.

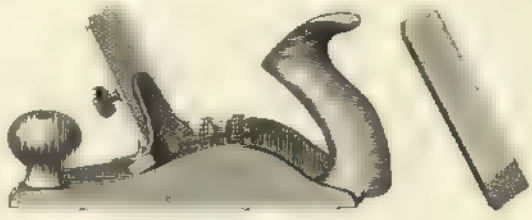
Veneer Scraper.

No. 12—Adjustable, 6¼ in. Long, 3 in. Cutter..$2 50 Each

Veneer Scraper.

No. 12½—Adjustable, Rosewood Faced Bottom, 6¼ in. Long, 3 in. Cutter....$3 30 Each

These Tools take the same cutters as the Scraper Plane No. 112. For certain kinds of work its peculiar form is of great advantage.



Scraper.

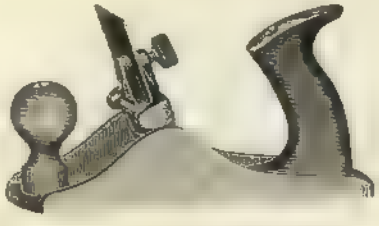
No. 112—Adjustable, 9 in. Long, 3 in. Cutter.....$2 20 Each

Suitable for Veneer, Cabinet and Floor Scraping.

Cabinet Makers' Scrapers.

STANLEY'S.

No. 85—Rabbet Cabinet Scraper, Tilting Rosewood Handle and Knob, 8 in. Long, 2 in. Cutter .....$3.00 Each



No. 87—Cabinet Scraper, Stationary Rosewood Handle and Knob, 8 in. Long, 2 in. Cutter .....$2.00 Each

Woodworkers will find these tools to be particularly handy and reliable where a scraper can be used.

The Cutter rests under a slight pressure against the front edge of the mouth.

In working, the Cutter springs backward, thereby opening the mouth and allowing the shaving to pass through, but as soon as working pressure is released the Cutter resumes its normal position. This closes the mouth and prevents any dust or shaving falling through on the finished work.

The frog is adjustable which permits of the mouth of the scraper being narrowed or widened, thus enabling the user to work equally well on hard or soft wood.

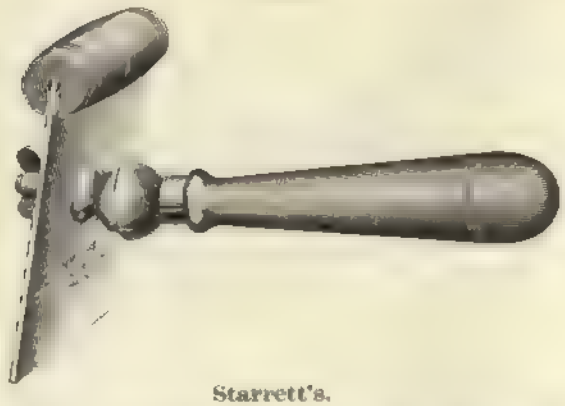
If it is desired to change the angle of the iron, the frog can be tilted by means of an adjusting screw.

The handle and knob on No. 85 Scraper can be lifted to right or left to suit the hands of the workman when scraping curves.

One in a Box.

Cabinet or Floor Scrapers.

UNIVERSAL.



Starrett's.

Per Dozen

No. 194—Adjustable, Fine Steel Blade Highly Tempered and Ground Perfectly Square on all Edges, Making 8 Cutting Edges, Ball Joint Connection in Handle Making it Possible to Bring Any Edge Instantly in Use, Removable Guard which Works Equally Well on Any Side $17.00

This is the best all around Scraper for use on floors, benches, meat blocks, cabinet work and any hardwood.

One-half Dozen in a Box.

PERFECTION.

Atkins'.

Per Dozen

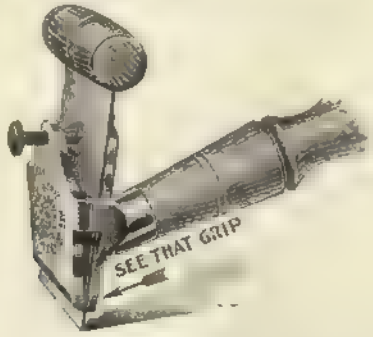
No. 185—Adjustable, Fine Steel Blade, 3x3 in., Highly Tempered, 4 Edges Sharpened, Blade is Made 16 Gauge which Makes it Very Stiff and Prevents Springing, Beveled Edge for Taking Shavings Off Hardwood Floors, Strong Malleable Iron Holder Screwed into Long Handle, Finely Finished $10.00

Extra Blades 1.40

The advantages of this Scraper are that it is perfectly rigid and will work in [illegible]

[illegible] Dozen in a Box

BENNETT'S ADJUSTABLE.



Per Dozen

No. 210—Cast Steel Rigid Blade, Adjustable, Polished Wood Handle, Nickel Plated Trimmings $18.00

One-twelfth Dozen in a Box

DIKEMAN.

Per Dozen

No. 77—Steel Blade, Adjustable Ball and Socket Handle, Perfection Hand Rest $15.00

Cabinet Scrapers.

STANLEY'S.

Each

No. 82—Adjustable Tool Steel Blade 3 in Wide, Maple Handle, Length 14½ in. . $1.05

One [illegible] Box.

Each

No. 81—Tool Steel Blade 2½ in Wide Raised Handles, Length 10 in. $1.50

Plane Irons.

BAILEY'S IMPROVED.

CUT OR SINGLE.

Inches	1¼	1⅝	1¾	2
Per Dozen	$2.16	2.52	2.76	3.00
Inches	2⅛	2¼	2⅜	2⅝
Per Dozen	$3.24	3.36	3.48	3.84

DOUBLE.

Inches	1¼	1⅝	1¾	2
Per Dozen	$3.84	4.20	4.56	5 04
Inches	2⅛	2¼	2⅜	2⅝
Per Dozen	$5.40	5.64	5.76	6.00

EVERGREEN

CUT OR SINGLE.

Inches	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Per Dozen	$3.00	3.36	3.60	3.96	4.20	4.44	4.80

DOUBLE.

Inches	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Per Dozen	$5.40	6.00	6.60	7.20	7.56	7.80	8.40

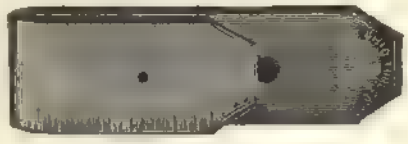
FOR BAILEY'S AND STANLEY'S BLOCK PLANES.

	Per Dozen
1⅝ in., for Nos. 9½, 9¾, 15 and 15½	$2.00
1⅝ in., for Nos. 18 and 19	2.00
1 in., for No. 101	.60
1¼ in., for Nos. 102 and 103	$1.00
1⅝ in., for Nos. 110 and 130	1.50
1⅝ in., for No. 220	2.00

FOR EVERGREEN BLOCK PLANES.

	Per Dozen
1⅝ in., for Nos. E9½, E9¾, E15 and E15½	$2.00
1⅝ in., for Nos. E18 and E19	2.00
1 in., for No. E101	.60
1¼ in., for Nos. E102 and E103	$1 00
1⅝ in., for Nos. E110 and E130	1.50
1⅝ in., for No. E220	2 00

OHIO TOOL CO.'S.



CUT OR SINGLE.
For Wood Planes.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$2.50	2.75	2.95	3.15	3.35	3.70
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$4.10	4.50	4.90	5.50	7.00	

BARTON'S.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$2.50	2.75	2.95	3.15	3.35	3.70
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$4.10	4.50	4.90	5.50	7.00	

DOUBLE.
For Wood Planes.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$5.50	6.00	6.25	6.45	6.65	7.00
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$7.40	8.20	9.00	10.15	11.70	

BARTON'S.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$5.50	6.00	6.25	6.45	6.65	7.00
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$7.40	8.20	9.00	10.15	11.70	

FOR STANLEY'S SCRAPER PLANES.

	Each
Extra Toothing Cutters, for No. 112 Scraper Plane, 22, 28 or 32 Teeth	$0 30
Extra Veneer Cutters, for No. 112 Scraper Plane	20

CHAPLIN'S.

CUT OR SINGLE.

Inches	2	2⅛	2¼	2½
Per Dozen	$3.36	3.60	3.84	4.32

BLOCK.

	Per Dozen
1⅝ in., for Nos. 20 and 30	$2.75

OHIO TOOL CO.'S, SKEW RABBET.

Inches	½	⅝	¾	⅞	1	1¼	1½	1¾	2
Per Dozen	$1.15	1.20	1.25	1.30	1.40	1.55	1.65	1.85	2.00

OHIO TOOL CO.'S, PLOW.

	Per Set
Cast Steel, in Sets of 8, One Each, 1/16, ¼, 5/16, ⅜, 7/16, ½, 9/16 and ⅝ in	$1 50
	Each
Cast Steel, Separate Sizes	$0 19

SCRUB.

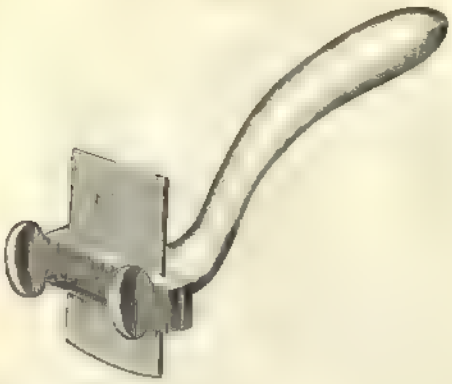
Inches	1¼
Per Dozen	$2.50

TOOTH.

Inches	2	2⅛	2¼
Per Dozen	$5.15	5.35	5.70

Cabinet Scrapers.

FOX.



Per Dozen

No. 8—2x3 in. Tempered Steel Blade, Grey Iron Frame, with Thumb Screws . . $3.00

One Dozen in a Box

STANLEY'S.

Per Dozen

No. 80—11 in. Raised Handles, 2¾ in. Blade. . $12.00

The Blade of this Scraper can be sprung to a slight curve by the thumb screw at the [illegible] which will be found a great advantage in working with this tool.

One-twelfth Dozen in a Box

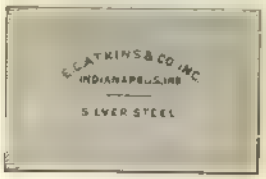
ATKINS' RAMSHORN.

Per Dozen

No. 201—Atkins' Silver Steel Blade, 19 Gauge, Ramshorn Shape, Wood Handle. . . . $10.00

One-twelfth Dozen in a Box.

ATKINS'.



No. 1—Silver Steel.

Size, Inches	2½x6	3x6	3½x6	4x6
Per Dozen	$1.20	1.40	1.60	1.80

RICHARDSON'S.

Extra Quality Cast Steel.

Nos.	5	6
Size, Inches	2½x6	3x6
Per Dozen	$0.75	.90

One Dozen in a Box

FOX.

Per Dozen

No. 100—3¼ in. Adjustable Blades, Swivel Body, 6 in. Long, 3¼ in. High, 5 in. Wide, Wood Handle $15 00

The Body swivels on the Work [illegible] cut of any form depth. The Blade is fastened with a thumb Screw and can be adjusted or reversed in a second's time. Work equally well in a horizontal or perpendicular position.

One-half Dozen in a Box

STANLEY'S.

Per Dozen

No. 83—3 in. Cast Steel Blades, Wood Handles and Roller $12.00

This Scraper can be adjusted to any desired pitch, and may be worked toward or from the person using it. The Roller acts as a support to relieve the strain on the wrist and hands of the workman. The Handles can be detached for working into corners.

One-twelfth Dozen in a Box.

BISHOP'S.

Per Dozen

No. 2—3x3 in., Cast Steel Blade, Polished Wood Handle, with Thumb Screw. $4.50

One Dozen in a Box

SIMONDS'.

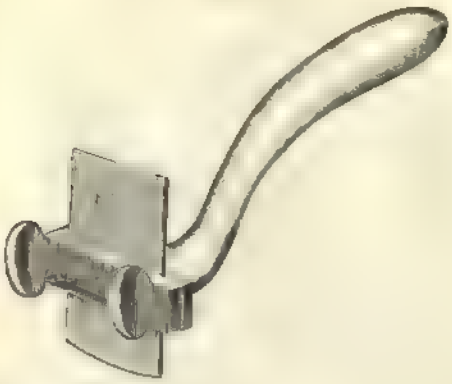
Per Dozen

No. 187—5⅜x3⅛ in., 20 Gauge, Simond's Steel, Concave and Convex $2.00

One Dozen in a Box.

Cabinet Scrapers.

FOX.



Per Dozen

No. 8—2x3 in. Tempered Steel Blade, Grey Iron Frame, with Thumb Screws . . $3.00

One Dozen in a Box

STANLEY'S.

Per Dozen

No. 80—11 in. Raised Handles, 2¾ in. Blade. . $12.00

The Blade of this Scraper can be sprung to a slight curve by the thumb screw at the [illegible] which will be found a great advantage in working with this tool.

One-twelfth Dozen in a Box

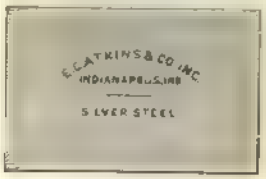
ATKINS' RAMSHORN.

Per Dozen

No. 201—Atkins' Silver Steel Blade, 19 Gauge, Ramshorn Shape, Wood Handle. . . . $10.00

One-twelfth Dozen in a Box.

ATKINS'.



No. 1—Silver Steel.

Size, Inches	2½x6	3x6	3½x6	4x6
Per Dozen	$1.20	1.40	1.60	1.80

RICHARDSON'S.

Extra Quality Cast Steel.

Nos.	5	6
Size, Inches	2½x6	3x6
Per Dozen	$0.75	.90

One Dozen in a Box

FOX.

Per Dozen

No. 100—3¼ in. Adjustable Blades, Swivel Body, 6 in. Long, 3¼ in. High, 5 in. Wide, Wood Handle $15 00

The Body swivels on the Work [illegible] cut of any form depth. The Blade is fastened with a thumb Screw and can be adjusted or reversed in a second's time. Work equally well in a horizontal or perpendicular position.

One-half Dozen in a Box

STANLEY'S.

Per Dozen

No. 83—3 in. Cast Steel Blades, Wood Handles and Roller $12.00

This Scraper can be adjusted to any desired pitch, and may be worked toward or from the person using it. The Roller acts as a support to relieve the strain on the wrist and hands of the workman. The Handles can be detached for working into corners.

One-twelfth Dozen in a Box.

BISHOP'S.

Per Dozen

No. 2—3x3 in., Cast Steel Blade, Polished Wood Handle, with Thumb Screw. $4.50

One Dozen in a Box

SIMONDS'.

Per Dozen

No. 187—5⅜x3⅛ in., 20 Gauge, Simond's Steel, Concave and Convex $2.00

One Dozen in a Box.

Adjustable Scraper Planes.

STANLEY'S.

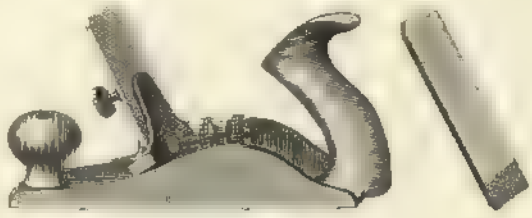
Veneer Scraper.

No. 12—Adjustable, 6¼ in. Long, 3 in. Cutter..$2 50 Each

Veneer Scraper.

No. 12½—Adjustable, Rosewood Faced Bottom, 6¼ in. Long, 3 in. Cutter....$3 30 Each

These Tools take the same cutting Scraper Plane No. 112. For certain kinds of work its peculiar form is of great advantage



Scraper.

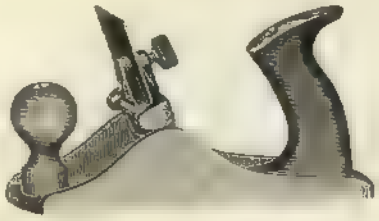
No. 112—Adjustable, 9 in. Long, 3 in. Cutter.....$2 20 Each

Suitable for Veneer, Cabinet and Floor Scraping

Cabinet Makers' Scrapers.

STANLEY'S.

No. 85—Rabbet Cabinet Scraper, Tilting Rosewood Handle and Knob, 8 in. Long, 2 in. Cutter .....$3.00 Each



No. 87—Cabinet Scraper, Stationary Rosewood Handle and Knob, 8 in. Long, 2 in. Cutter .....$2.00 Each

Woodworkers will find these tools to be particularly handy and reliable where a scraper can be used.

The Cutter rests under a slight pressure against the front edge of the mouth

In working, the Cutter springs backward, thereby opening the mouth and allowing the shaving to pass through, but as soon as working pressure is released the Cutter resumes its normal position. This closes the mouth and prevents any dust or shaving falling through on the finished work

The frog is adjustable which permits of the mouth of the scraper being narrowed or widened, thus enabling the user to work equally well on hard or soft wood

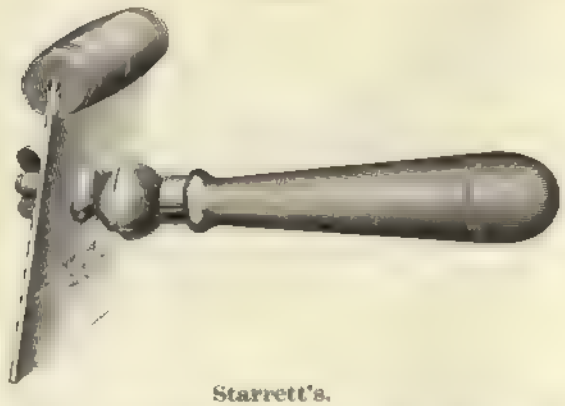
If it is desired to change the angle of the iron the frog can be tilted by means of an adjusting screw.

The handle and knob on No. 85 Scraper can be lifted to right or left to suit the hands of the workman when scraping curves.

One in a Box

Cabinet or Floor Scrapers.

UNIVERSAL.



Starrett's.

Per Dozen

No. 194—Adjustable, Fine Steel Blade Highly Tempered and Ground Perfectly Square on all Edges, Making 8 Cutting Edges, Ball Joint Connection in Handle Making it Possible to Bring Any Edge Instantly in Use, Removable Guard which Works Equally Well on Any Side $17.00

This is the best all around Scraper for use on floors, benches, meat blocks, cabinet work and any hardwood.

One-half Dozen in a Box.

PERFECTION.

Atkins'.

Per Dozen

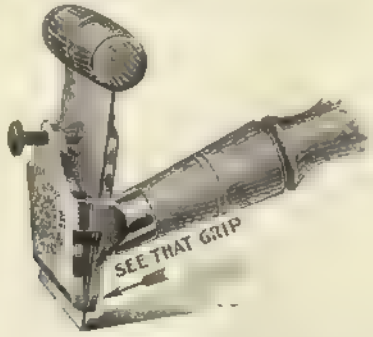
No. 185—Adjustable, Fine Steel Blade, 3x3 in., Highly Tempered, 4 Edges Sharpened, Blade is Made 16 Gauge which Makes it Very Stiff and Prevents Springing, Beveled Edge for Taking Shavings Off Hardwood Floors, Strong Malleable Iron Holder Screwed into Long Handle, Finely Finished $10.00

Extra Blades 1.40

The advantages of this Scraper are that it is perfectly rigid and will work in [illegible]

[illegible] Dozen in a Box

BENNETT'S ADJUSTABLE.



Per Dozen

No. 210—Cast Steel Rigid Blade, Adjustable, Polished Wood Handle, Nickel Plated Trimmings $18.00

One-twelfth Dozen in a Box

DIKEMAN.

Per Dozen

No. 77—Steel Blade, Adjustable Ball and Socket Handle, Perfection Hand Rest $15.00

Cabinet Scrapers.

STANLEY'S.

Each

No. 82—Adjustable Tool Steel Blade 3 in Wide, Maple Handle, Length 14½ in. . $1.05

One [illegible] Box.

Each

No. 81—Tool Steel Blade 2½ in Wide Raised Handles, Length 10 in. $1.50

Plane Irons.

BAILEY'S IMPROVED.

CUT OR SINGLE.

Inches	1¼	1⅝	1¾	2
Per Dozen	$2.16	2.52	2.76	3.00
Inches	2⅛	2¼	2⅜	2⅝
Per Dozen	$3.24	3.36	3.48	3.84

DOUBLE.

Inches	1¼	1⅝	1¾	2
Per Dozen	$3.84	4.20	4.56	5 04
Inches	2⅛	2¼	2⅜	2⅝
Per Dozen	$5.40	5.64	5.76	6.00

EVERGREEN

CUT OR SINGLE.

Inches	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Per Dozen	$3.00	3.36	3.60	3.96	4.20	4.44	4.80

DOUBLE.

Inches	1⅝	1¾	2	2⅛	2¼	2⅜	2⅝
Per Dozen	$5.40	6.00	6.60	7.20	7.56	7.80	8.40

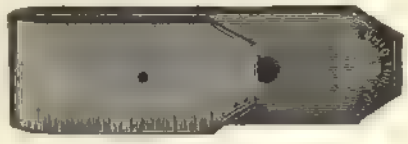
FOR BAILEY'S AND STANLEY'S BLOCK PLANES.

	Per Dozen
1⅝ in., for Nos. 9½, 9¾, 15 and 15½	$2.00
1⅝ in., for Nos. 18 and 19	2.00
1 in., for No. 101	.60
1¼ in., for Nos. 102 and 103	$1.00
1⅝ in., for Nos. 110 and 130	1.50
1⅝ in., for No. 220	2.00

FOR EVERGREEN BLOCK PLANES.

	Per Dozen
1⅝ in., for Nos. E9½, E9¾, E15 and E15½	$2.00
1⅝ in., for Nos. E18 and E19	2.00
1 in., for No. E101	.60
1¼ in., for Nos. E102 and E103	$1 00
1⅝ in., for Nos. E110 and E130	1.50
1⅝ in., for No. E220	2 00

OHIO TOOL CO.'S.



CUT OR SINGLE.
For Wood Planes.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$2.50	2.75	2.95	3.15	3.35	3.70
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$4.10	4.50	4.90	5.50	7.00	

BARTON'S.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$2.50	2.75	2.95	3.15	3.35	3.70
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$4.10	4.50	4.90	5.50	7.00	

DOUBLE.
For Wood Planes.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$5.50	6.00	6.25	6.45	6.65	7.00
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$7.40	8.20	9.00	10.15	11.70	

BARTON'S.

Inches	1½	1¾	1⅞	2	2⅛	2¼
Per Dozen	$5.50	6.00	6.25	6.45	6.65	7.00
Inches	2⅜	2½	2⅝	2¾	3	
Per Dozen	$7.40	8.20	9.00	10.15	11.70	

FOR STANLEY'S SCRAPER PLANES.

	Each
Extra Toothing Cutters, for No. 112 Scraper Plane, 22, 28 or 32 Teeth	$0 30
Extra Veneer Cutters, for No. 112 Scraper Plane	20

CHAPLIN'S.

CUT OR SINGLE.

Inches	2	2⅛	2¼	2½
Per Dozen	$3.36	3.60	3.84	4.32

BLOCK.

	Per Dozen
1⅝ in., for Nos. 20 and 30	$2.75

OHIO TOOL CO.'S, SKEW RABBET.

Inches	½	⅝	¾	⅞	1	1¼	1½	1¾	2
Per Dozen	$1.15	1.20	1.25	1.30	1.40	1.55	1.65	1.85	2.00

OHIO TOOL CO.'S, PLOW.

	Per Set
Cast Steel, in Sets of 8, One Each, 1/16, ¼, 5/16, ⅜, 7/16, ½, 9/16 and ⅝ in	$1 50
	Each
Cast Steel, Separate Sizes	$0 19

SCRUB.

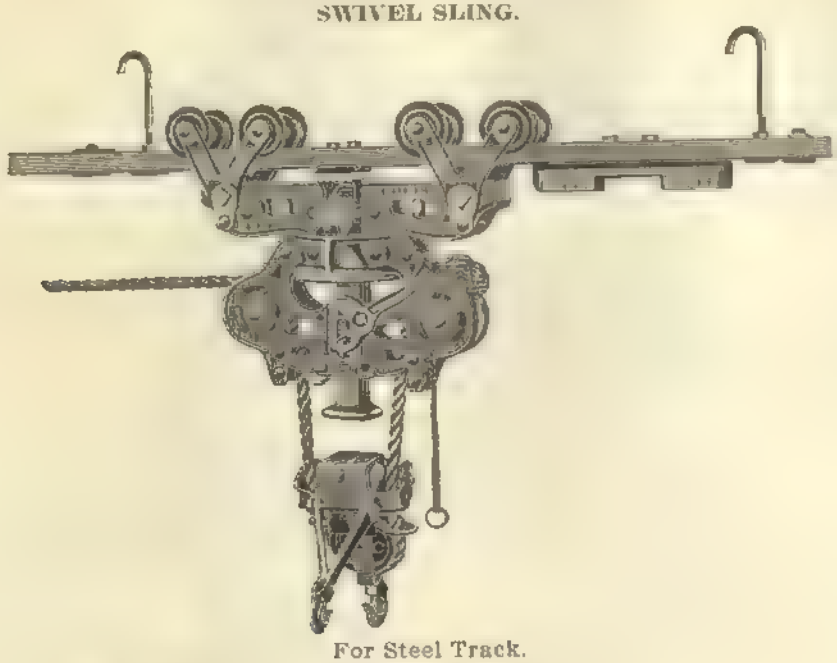
Inches	1¼
Per Dozen	$2.50

TOOTH.

Inches	2	2⅛	2¼
Per Dozen	$5.15	5.35	5.70

Hay Carriers.

SWIVEL SLING.

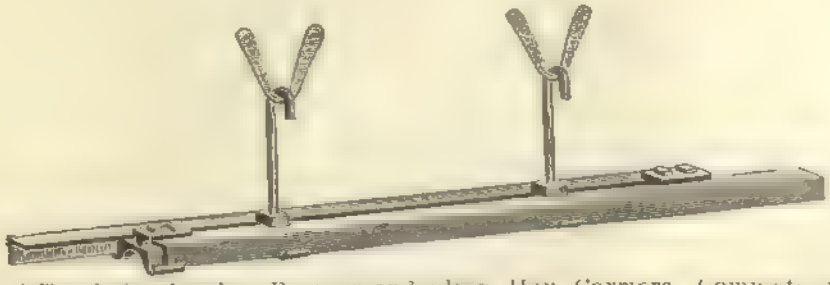


For Steel Track.

Each

No. 45—Swivel Sling, Best Malleable Iron, Runs on Steel Track $10.80
Weight Each 64 Pounds.

Hay Carrier Track.



Per Foot

No. 12—Angular Steel Track for Leader Boomer and Slide Hay Carriers, Complete with Couplings and Bolts. Weight Per Foot 2 Lbs..... .....$0.18

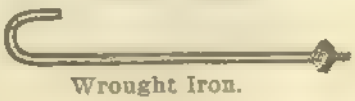
Hanging Hooks.

DOUBLE NUT.

Per Dozen

No. 012—Track Hanging Hooks, Wrought Iron with Plate and Double Nuts, for No. 12 Steel Track $1 30

WOOD TRACK.



Wrought Iron.

Nos.	14	16	18
Size, Inches	½x14	½x16	½x18
Per Dozen	$1.00	1.10	1.20

Measurements given are from end to angle of bend

WOOD TRACK, JOINTED.

Per Dozen

No. 10—Jointed, Wrought Iron.....$1.75

Rope Hitches.

Per Dozen

No. 9—Malleable Iron, Japanned, with Swivel Hook $3.00

Floor Hooks.

Wrought Steel.

Nos.	1	2
Diameter, Inches	⅝	¾
Per Dozen	$1.00	1.20

Rafter Brackets.

Per Dozen

No. 7—Malleable Iron $0.50

Rafter Grapples.

Per Dozen

No. 8—Cast Steel, Heavy Chain..... $8.00

Sling Pulleys.

Each

No. 65—Right Angle, Self-Locking, Malleable Iron, Japanned for Leader Hay Carriers $3.00

By using this Pulley the load is drawn up direct as the load stands with no twist in the rope. It is recommended where there are any right angle or cross draft loads to be elevated

Stop Blocks.

Each

No. 1—For Milwaukee Wood Track Carrier .. $0 40
No. 2—For Leader Wood Track Carrier..... .60
No. 3—For Leader Steel Track Carrier... . 80

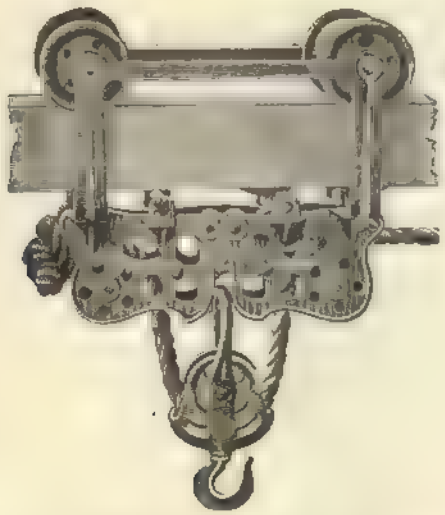
Fork Pulleys.

Each

No. 5—Trip Fork Pulley, for Leader Wood and Steel Track Carriers..... $1.00

Hay Carriers.

MILWAUKEE IMPROVED.

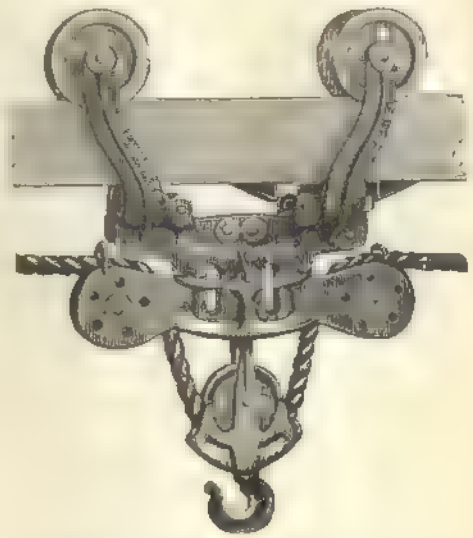


Reversible, for Wood Track.

Each

No. 10—Reversible, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track $5.50

Weight Each 28 Pounds.



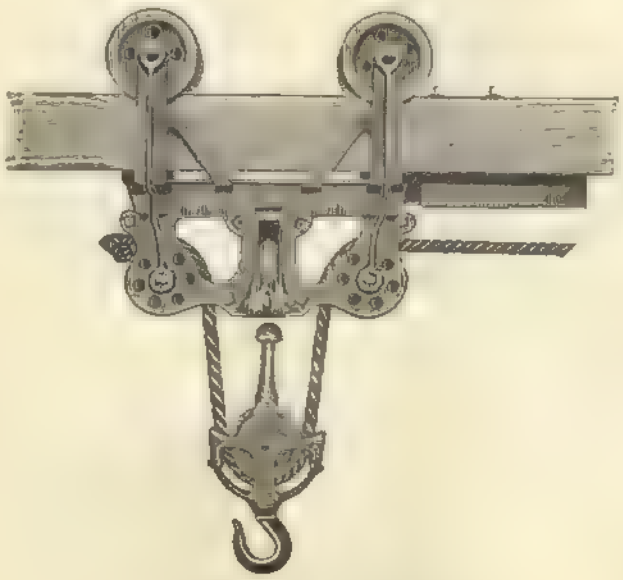
Double Swivel, for Wood Track.

Each

No. 15—Double Swivel, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track $5.50

Weight Each 30 Pounds.

LEADER.

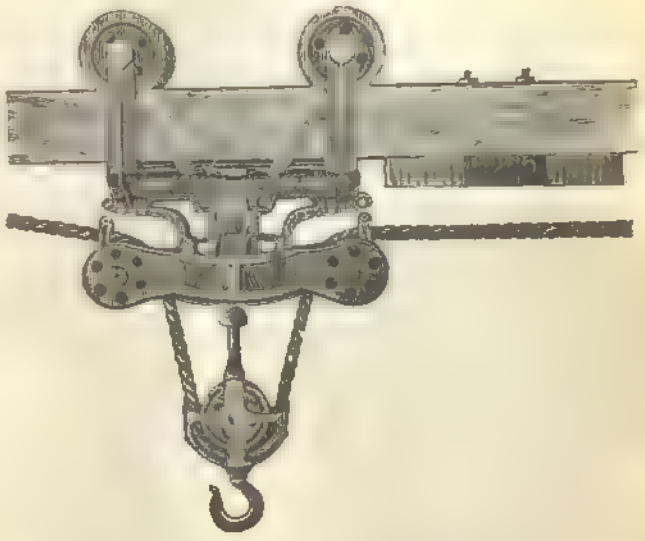


Reversible, for Wood Track.

Each

No. 20—Reversible, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track $5 50

Weight Each 28 Pounds



Double Swivel, for Wood Track.

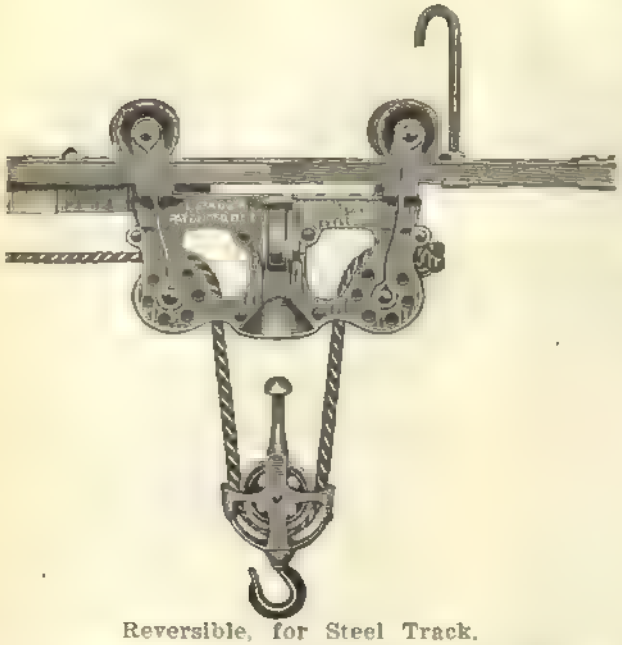
Each

No. 25—Double Swivel, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track . . $5.50

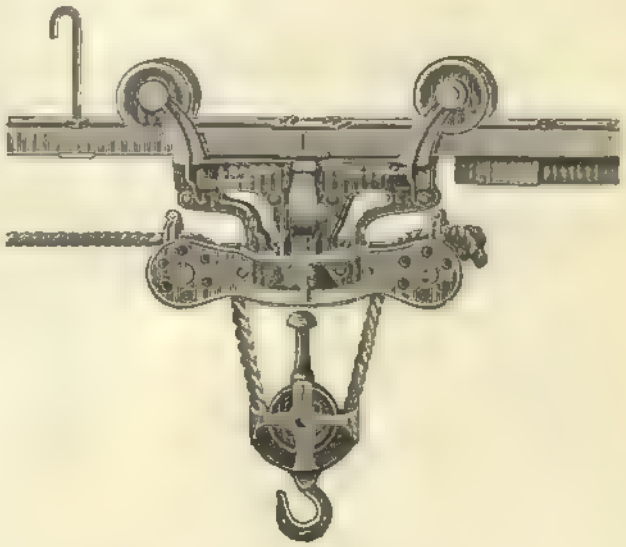
Weight Each 33 Pounds.

Hay Carriers.

LEADER.



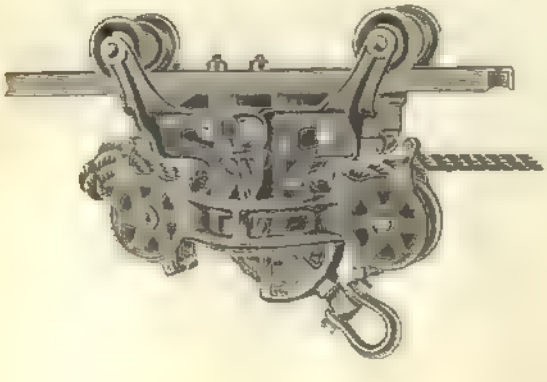
Reversible, for Steel Track.

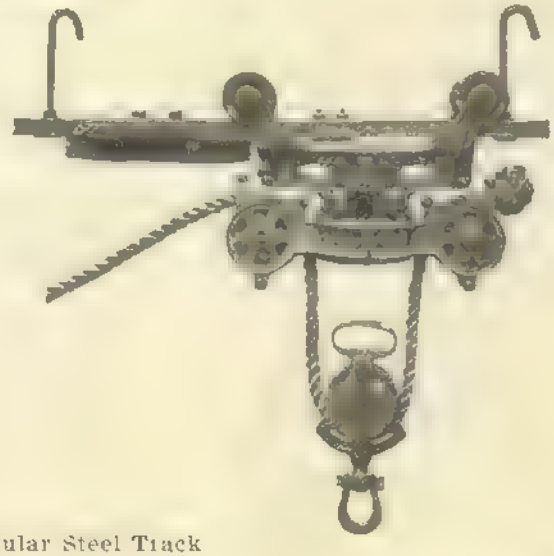


Double Swivel, for Steel Track.

	Each
No. 30—Reversible, Best Malleable Iron, Positive Two Piece Lock, for Steel Track. Weight Each 25 Pounds.	$5.50
No. 35—Double Swivel, Best Malleable Iron, Positive Two Piece Lock, for Steel Track. Weight Each 30 Pounds.	$5.50

BOOMER DOUBLE SWIVEL.





Swivel Reversible, for Angular Steel Track

	Each
No. 38—High Grade Malleable Iron Large Mouth Pattern Simple and Positive Locking Device, Swivel Clevis and Swinging Yoke. Weight Each, Complete, 30 Pounds	$5.50

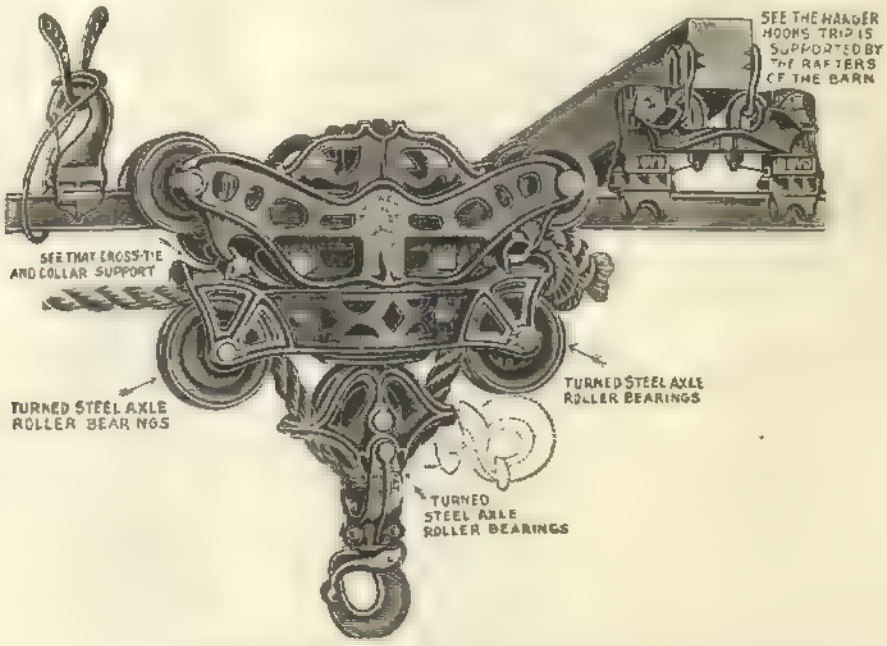
Our Boomer Hay Carriers shown herewith are the latest and are made of high grade malleable iron. They are of the large mouth pattern, the fork pulley having the swivel clevis and swinging yoke which allows the malleable iron link to pass well up into the car where it is grasped by the dogs and firmly held. These features do away with any friction, or twisting strain on any part of the carrier and allow the operator to pull the hay to the highest point of the mow. The sheaves being large will carry any size rope up to one inch.

Hay Carriers.

A complete outfit for a 30 ft. Barn consists of 1 Hay Carrier, 48 ft. of Track, 25 Rafter Brackets, 25 Hanging Hooks, 6 Floor Hooks, 1 Fork, 5 Knot Passing Pulleys, 130 ft. ¾-in. Manila Rope, 55 ft. ⅜-in. Manila Check Rope.

For Barns longer or shorter than above, more or less Track, Brackets, Hooks and Rope are needed.

AJAX.



Double Swivel, for Single Rail Solid Steel Track.

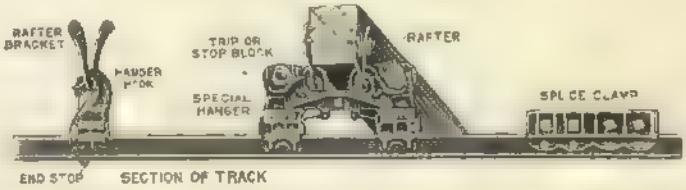
Each

No. 3—Malleable Iron Frame, Well Braced and Neat in Design, Double Acting Positive Forced Lock, Has no Springs or Levers and Works Easily Both Ways from the Stop, Perfectly Automatic, Turned Steel Axle Roller Bearings.....$7.00

Weight Each 35 Pounds.

The Ajax Hay Carrier is Self-Reversible, working both ways. The rail bar swing close up to the track. Has round heads and Universal joints. No holes in track. Has long bearing on track.

Hay Carrier Track.



Per Foot

No. 550—Single Rail Solid Steel Track, for Ajax Hay Carriers, Complete with Splice Clamps and Bolts, Weight Per Foot 2 Lbs.....$0.20

Hanging Hooks.

Per Dozen

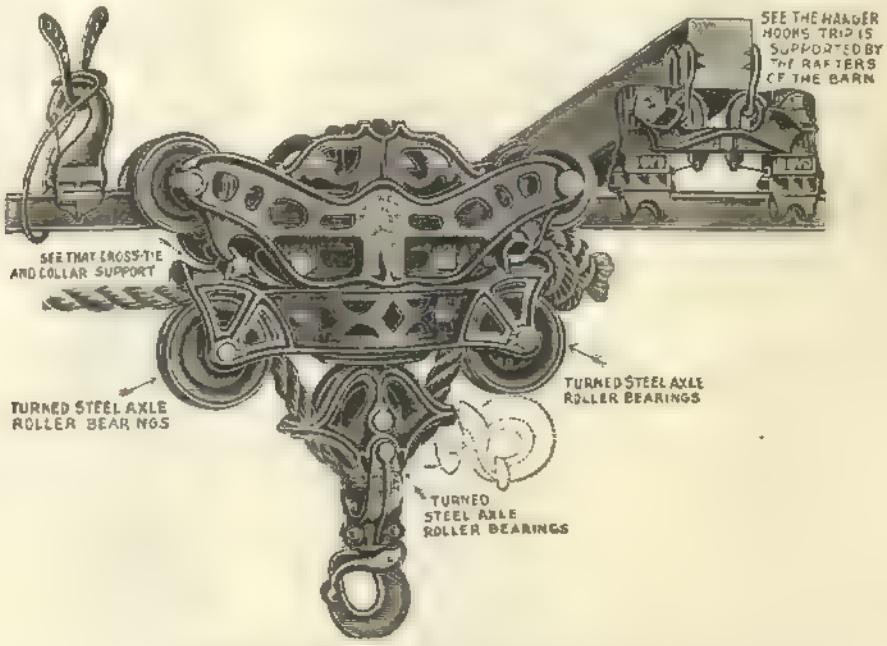
No. 77—Track Hanging Hooks, Malleable Iron, Clamped to Upper Bead of Rail by Key or Wedge, for No. 550 Solid Steel Track.....$1.50

Hay Carriers.

A complete outfit for a 30 ft. Barn consists of 1 Hay Carrier, 48 ft. of Track, 25 Rafter Brackets, 25 Hanging Hooks, 6 Floor Hooks, 1 Fork, 5 Knot Passing Pulleys, 130 ft. ¾-in. Manila Rope, 55 ft. ⅜-in. Manila Check Rope.

For Barns longer or shorter than above, more or less Track, Brackets, Hooks and Rope are needed.

AJAX.



Double Swivel, for Single Rail Solid Steel Track.

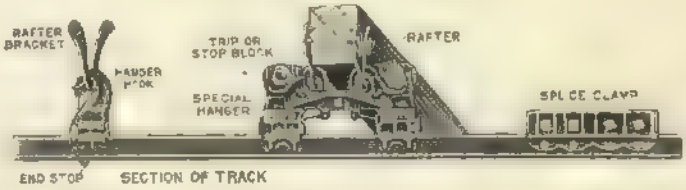
Each

No. 3—Malleable Iron Frame, Well Braced and Neat in Design, Double Acting Positive Forced Lock, Has no Springs or Levers and Works Easily Both Ways from the Stop, Perfectly Automatic, Turned Steel Axle Roller Bearings.....$7.00

Weight Each 35 Pounds.

The Ajax Hay Carrier is Self-Reversible, working both ways. The rail bar swing close up to the track. Has round heads and Universal joints. No holes in track. Has long bearing on track.

Hay Carrier Track.



Per Foot

No. 550—Single Rail Solid Steel Track, for Ajax Hay Carriers, Complete with Splice Clamps and Bolts, Weight Per Foot 2 Lbs.....$0.20

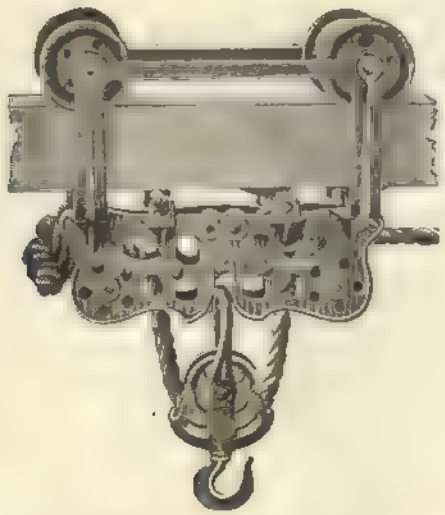
Hanging Hooks.

Per Dozen

No. 77—Track Hanging Hooks, Malleable Iron, Clamped to Upper Bead of Rail by Key or Wedge, for No. 550 Solid Steel Track.....$1.50

Hay Carriers.

MILWAUKEE IMPROVED.

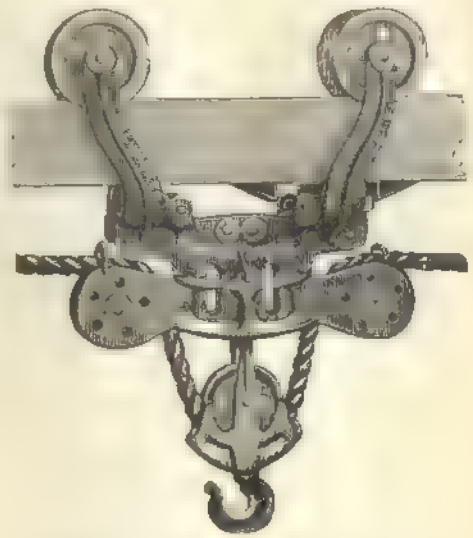


Reversible, for Wood Track.

Each

No. 10—Reversible, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track $5.50

Weight Each 28 Pounds.



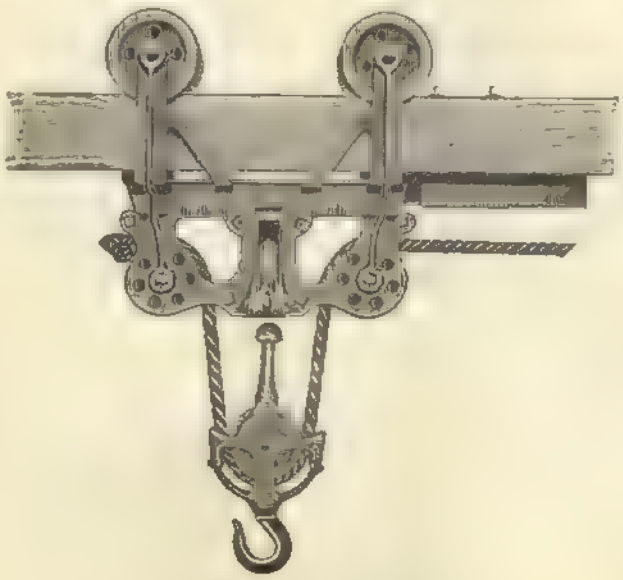
Double Swivel, for Wood Track.

Each

No. 15—Double Swivel, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track $5.50

Weight Each 30 Pounds.

LEADER.

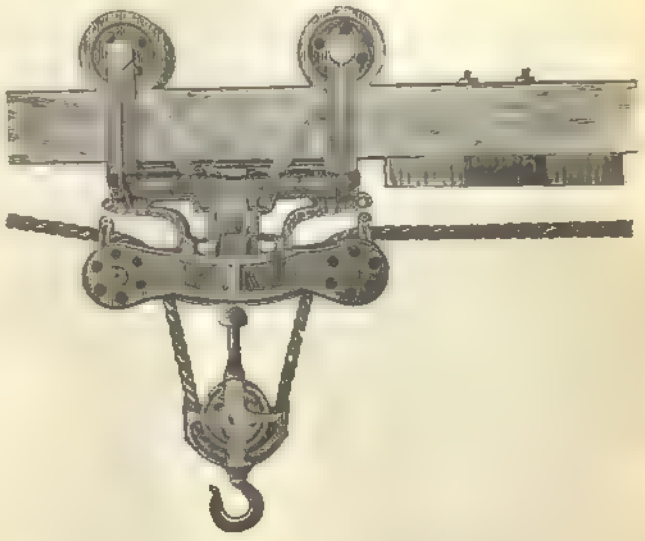


Reversible, for Wood Track.

Each

No. 20—Reversible, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track $5 50

Weight Each 28 Pounds



Double Swivel, for Wood Track.

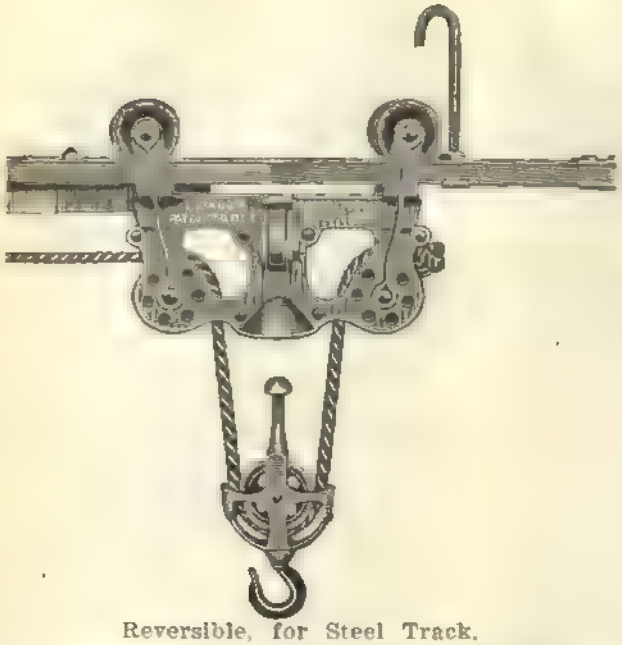
Each

No. 25—Double Swivel, Best Malleable Iron, Positive Two Piece Lock, Runs on 4x4 in. Wood Track . . $5.50

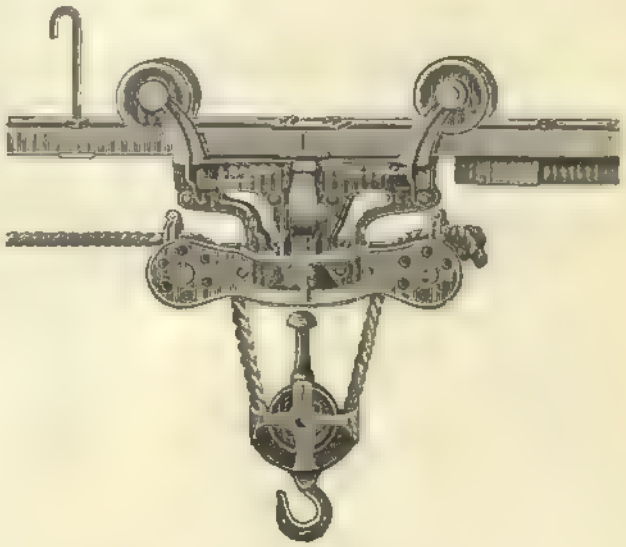
Weight Each 33 Pounds.

Hay Carriers.

LEADER.



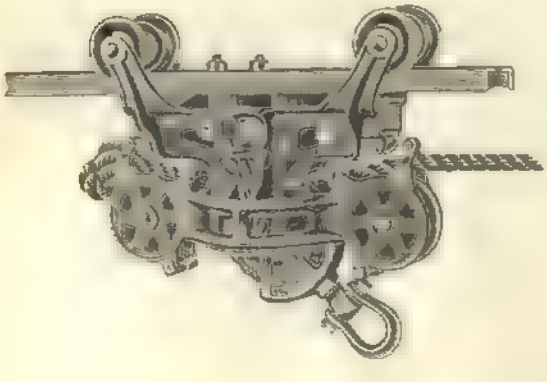
Reversible, for Steel Track.

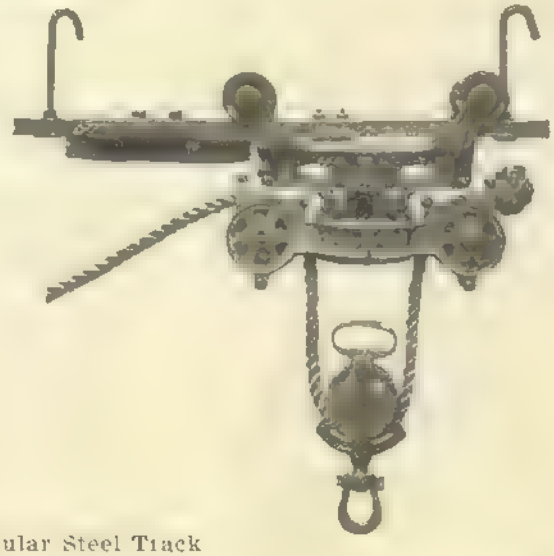


Double Swivel, for Steel Track.

	Each
No. 30—Reversible, Best Malleable Iron, Positive Two Piece Lock, for Steel Track. Weight Each 25 Pounds.	$5.50
No. 35—Double Swivel, Best Malleable Iron, Positive Two Piece Lock, for Steel Track. Weight Each 30 Pounds.	$5.50

BOOMER DOUBLE SWIVEL.





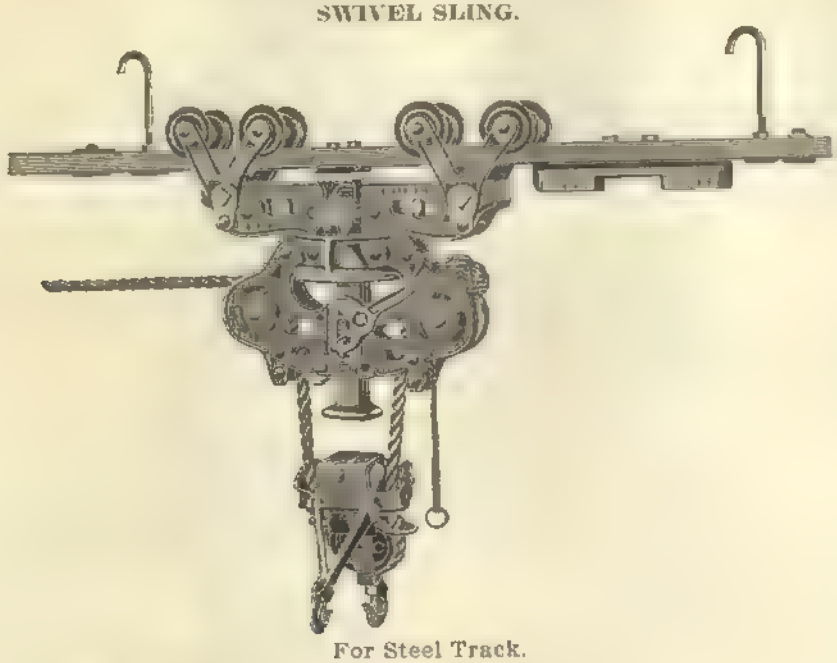
Swivel Reversible, for Angular Steel Track

	Each
No. 38—High Grade Malleable Iron Large Mouth Pattern Simple and Positive Locking Device, Swivel Clevis and Swinging Yoke. Weight Each, Complete, 30 Pounds	$5.50

Our Boomer Hay Carriers shown herewith are the latest and are made of high grade malleable iron. They are of the large mouth pattern, the fork pulley having the swivel clevis and swinging yoke which allows the malleable iron link to pass well up into the car where it is grasped by the dogs and firmly held. These features do away with any friction, or twisting strain on any part of the carrier and allow the operator to pull the hay to the highest point of the mow. The sheaves being large will carry any size rope up to one inch.

Hay Carriers.

SWIVEL SLING.

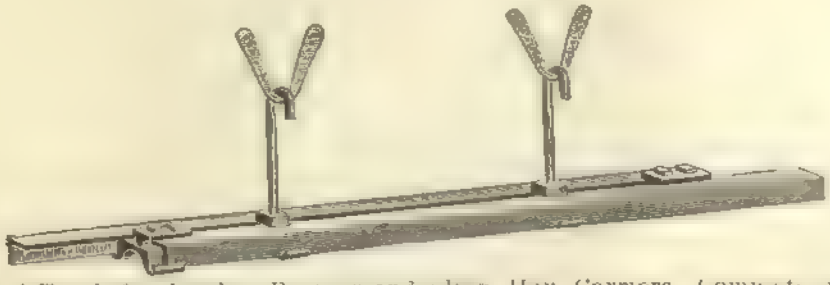


For Steel Track.

Each

No. 45—Swivel Sling, Best Malleable Iron, Runs on Steel Track $10.80
Weight Each 64 Pounds.

Hay Carrier Track.



Per Foot

No. 12—Angular Steel Track for Leader Boomer and Slide Hay Carriers, Complete with Couplings and Bolts. Weight Per Foot 2 Lbs..... .....$0.18

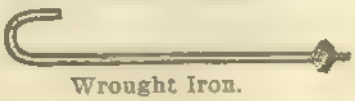
Hanging Hooks.

DOUBLE NUT.

Per Dozen

No. 012—Track Hanging Hooks, Wrought Iron with Plate and Double Nuts, for No. 12 Steel Track $1 30

WOOD TRACK.



Wrought Iron.

Nos.	14	16	18
Size, Inches	½x14	½x16	½x18
Per Dozen	$1.00	1.10	1.20

Measurements given are from end to angle of bend

WOOD TRACK, JOINTED.

Per Dozen

No. 10—Jointed, Wrought Iron.....$1.75

Rope Hitches.

Per Dozen

No. 9—Malleable Iron, Japanned, with Swivel Hook $3.00

Floor Hooks.

Wrought Steel.

Nos.	1	2
Diameter, Inches	⅝	¾
Per Dozen	$1.00	1.20

Rafter Brackets.

Per Dozen

No. 7—Malleable Iron $0.50

Rafter Grapples.

Per Dozen

No. 8—Cast Steel, Heavy Chain..... $8.00

Sling Pulleys.

Each

No. 65—Right Angle, Self-Locking, Malleable Iron, Japanned for Leader Hay Carriers $3.00

By using this Pulley the load is drawn up direct as the load stands with no twist in the rope. It is recommended where there are any right angle or cross draft loads to be elevated

Stop Blocks.

Each

No. 1—For Milwaukee Wood Track Carrier .. $0 40
No. 2—For Leader Wood Track Carrier..... .60
No. 3—For Leader Steel Track Carrier... . 80

Fork Pulleys.

Each

No. 5—Trip Fork Pulley, for Leader Wood and Steel Track Carriers..... $1.00

Carpet Beaters.

CLEANER.

Per Dozen

No. 12—28 in. Long, 9x10 in. Blade, No. 12 Coppered Wire, Wood Handle.....$1.70
No. 11—32 in. Long, 9x10 in. Blade, No. 11 Tinned Wire, Wood Handle..... 2.40
No. 10—36 in. Long, 10x14 in. Blade, No. 10 Galvanized Wire, Wood Handle 3.20

Four wires extend from Beater nearly through Handle. One wire is driven through, bent and driven back into Handle so it will not come off or turn around

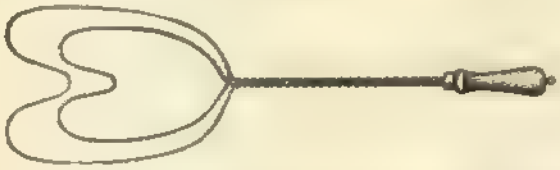
WATERLOO.

Per Dozen

No. 15—24 in. Long, No. 12 Galvanized Wire, Wood Handle $2.00
No. 20—33 in. Long, No. 10 Galvanized Wire, Wood Handle 3.50

Made with a Spring at the Handle, by which the Jar on the Hand is saved. Is much more effective than one with an open center.

CHAMPION.



Per Dozen

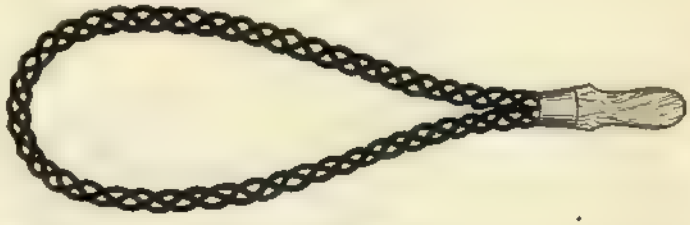
No. 1—29 in. Long, Coppered Steel Wire, Wood Handle $2.00

JUST-RIGHT.

Per Dozen

No. 50—30 in. Long, No. 10 Coppered Wire, Double Braced Shank, Raised Wood Handle $2 00

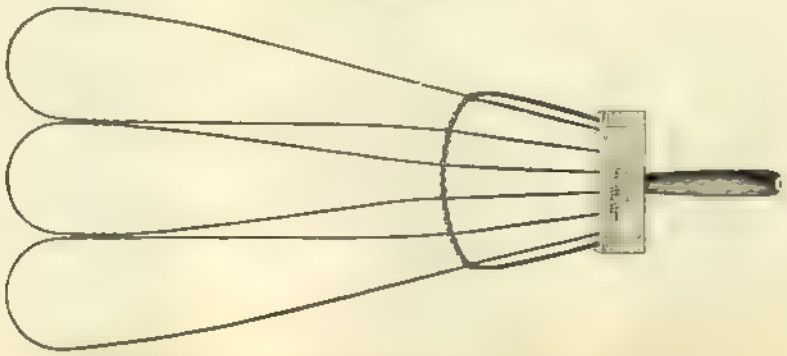
PRESTON'S.



Per Dozen

No. 5—30 in. Long, Braided Galvanized Wire, Wood Handle $1.70

BOSS.



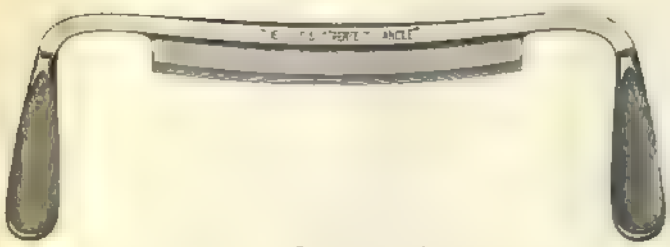
Per Dozen

No. 2—29 in. Long, Coppered Steel Wire, Hardwood Head and Handle $2 70

One Dozen in a Bundle.

Drawing Knives.

PERFECT HANDLE.



Carpenters'.

Solid Best Quality Crucible Steel Blade, Highly Tempered, Handles and Blade Drop Forged from One Solid Piece of Tool Steel.

Blade, Inches	8	10	12
Per Dozen	$16.00	18.00	20.00

One-half Dozen in a Box

WILKINSON'S.

Showing Knife Half Open.

Showing Handles Folded and Cutting Edge Protected

Best Cast Steel Blade, Folding and Adjustable Handles.

Blade, Inches	7	8	9	10
Per Dozen	$22.50	24.00	27.00	30.00

One-half Dozen in a Box.

OHIO IMPROVED.

No. 600—Best Tool Steel, Razor Blade, Adjustable Handles, Stained and Polished.

Blade, Inches	8	9	10
Per Dozen	$22.00	24.00	26.00

One-quarter Dozen in a Box

WATROUS'.

Carpenters'.

Cast Steel, Razor Blade, Adjustable Handles.

Blade, Inches	8	9	10
Per Dozen	$12.00	13.50	15.00

One-half Dozen in a Box

WATROUS'.

Scroll.

Cast Steel, Narrow Blade, Beveled on Both Sides, Adjustable Handles.

Blade, Inches	7	8
Per Dozen	$10.50	12.00

WATROUS'.

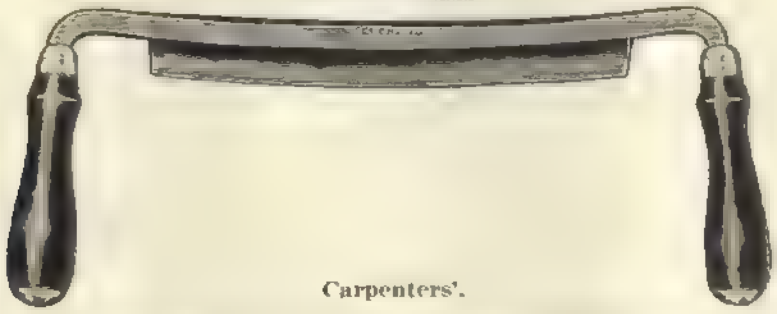
Coach Makers'.

Cast Steel, Wide Blade, Beveled on Both Sides, Adjustable Handles.

Blade, Inches	8	9	10
Per Dozen	$12.50	14.00	15.50

One-half Dozen in a Box.

Drawing Knives.



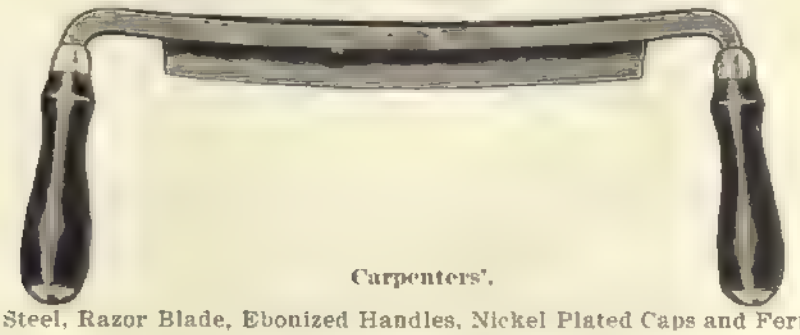
Carpenters'.

Extra Quality Cast Steel Razor Blade, Ebonized Handles, Nickel Plated Caps and Ferrules.

Blade, Inches	7	8	9	10	12	14
Per Dozen	$13.50	13.50	14.40	15.60	18.00	21.00

One-half Dozen in a Box

No. 1 EXTRA.



Carpenters'.

Cast Steel, Razor Blade, Ebonized Handles, Nickel Plated Caps and Ferrules.

Blade, Inches	7	8	9	10	12	14
Per Dozen	$13.50	13.50	14.40	15.60	18.00	21.00

One-half Dozen in a Box

BARTON'S.

Carpenters'.

Cast Steel, Razor Blade 1¼ in Wide Applewood Handles, Capped and Ferruled.

Blade, Inches	8	9	10
Per Dozen	$12.00	13.00	14.00

One-half Dozen in a Package

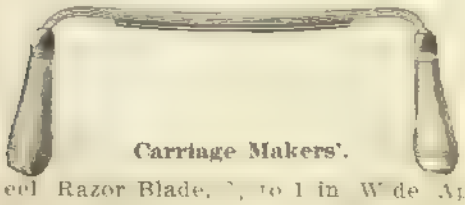
Coach Makers'.

Cast Steel Razor Blade 1¼ to 1½ in. Wide, Applewood Handles, Capped and Ferruled.

Blade, Inches	8	9	10
Per Dozen	$13.00	14.00	15.00

One-quarter Dozen in a Package.

BARTON'S.

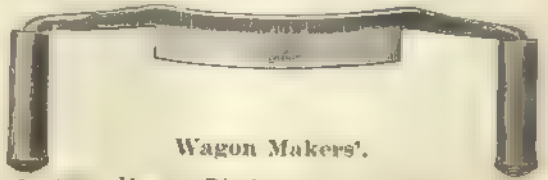


Carriage Makers'.

Cast Steel Razor Blade, ⅞ to 1 in Wide Applewood Handles, Capped and Ferruled.

Blade, Inches	8	9	10
Per Dozen	$12.00	13.00	14.00

One-quarter Dozen in a Package



Wagon Makers'.

Cast Steel, Heavy Blade 1 to 1¼ in Wide, Black Walnut Handles, Capped.

Blade, Inches	8	9	10
Per Dozen	$13.00	14.00	15.00

One-quarter Dozen in a Package

Coopers' Tools.

D. R. BARTON'S.

ADZES.

Half Polished, Applewood Handle.

No.	1½
Per Dozen	$28.50

AXES.

Half Polished, Hickory Handle.

Nos.	1	1½	2
Per Dozen	$33.00	30.00	27.00

SCRAPERS.

No. 130—Cast Steel with Handle . . . Per Dozen $7 20

HOOP DRIVERS.

No. 50—Plain Hickory, without Ring . . . $3 75

No. 60—Plain Hickory, with Ring. . Per Dozen $5 00

No. 165—Nantucket, Cast Steel, without Handle...Per Dozen $7.50

No. 166—Short and Oval, Cast Steel, without Handle . . Per Dozen $11 25

No. 164—Socket, Cast Steel, with Handle .....Per Dozen $11.25

SPOKE SHAVES.

BARTON'S.

No. 75—2⅝ in. Cutter, Cleveland Pattern, Walnut Handles . . . Per Dozen $15 00
Extra Cutters, for No. 75 . . . 3 60

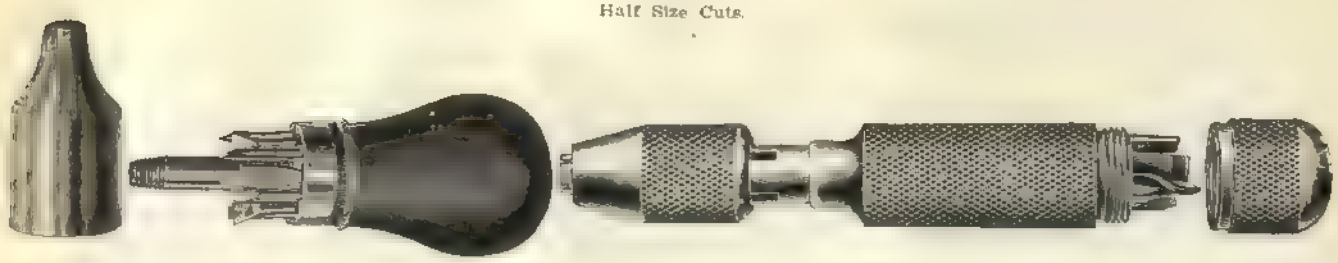
BAILEY'S.

No. 56—18 in., 2 in Cutter Iron Handles . . . Per Dozen $7 00
No. 56½—19 in., 4 in. Cutter, Iron Handles . . . 9 00

Extra Cutters, for No. 56 . . . 1.50
Extra Cutters, for No. 56½ . . . 2 00

Tool Handles, with Tools.

Half Size Cuts.



Per Dozen

No. 7—Henry's Patent. Solid Rosewood Handle, Brass Sleeve, with 12 Tools.....$12.00

One Dozen in a Box.

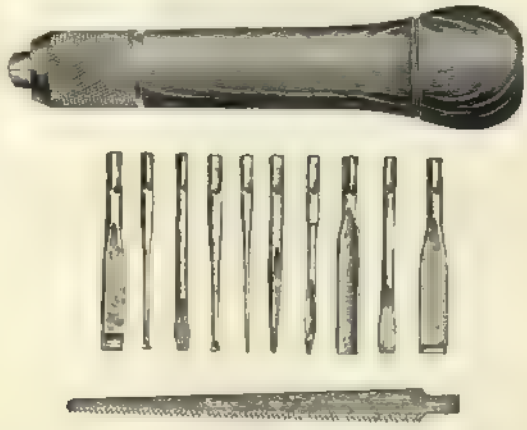
Per Dozen

No. 8—Rollis', 6 in. Hollow Steel Handle, Steel Chuck, Nickel Plated, with 10 2¾ in. Tools $15.00

One-twelfth Dozen in a Box

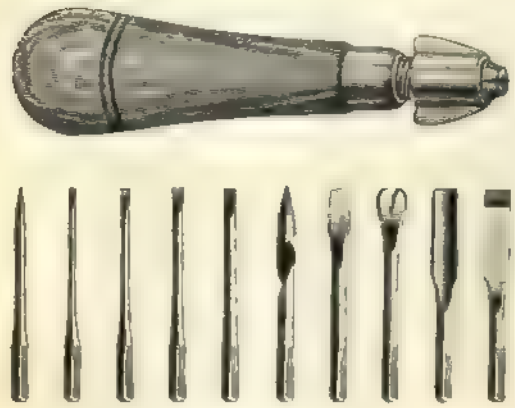
Per Dozen

No. 01—Rollis', 7½ in. Hollow Cocobolo Handle, Nickel Plated Chuck, with 11 Tools of High Grade Steel, Hardened and Tempered $18.00



Per Dozen

No. 02—Rollis', 5 in. Hollow Cocobolo Handle, Nickel Plated Chuck, with 11 Tools of High Grade Steel, Hardened and Tempered $12.00

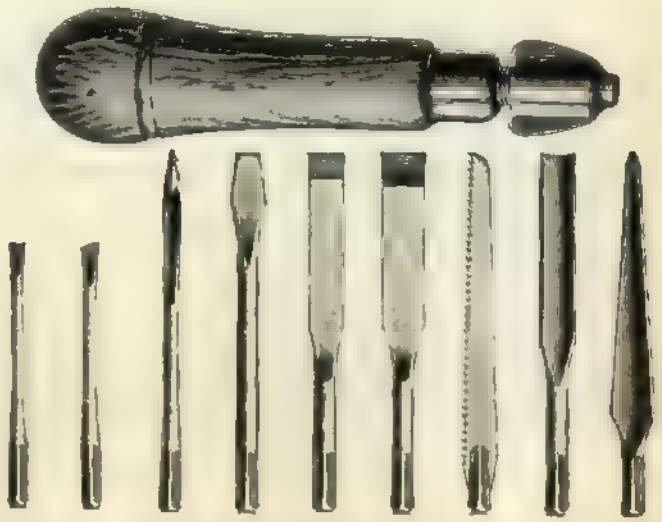


Per Dozen

No. 1—5¾ in. Hollow Cocobolo Handle, with 10 Tools $12.00

No. 4—5¾ in. Hollow Lignumvitae Handle, Cocobolo Cap, with 10 Tools..... 9.00

No. 5—5¾ in. Hollow Dogwood Handle, with 10 Tools 8.00



Per Dozen

No. 2B—7 in. Hollow Cocobolo Handle, with 9 Tools $18.00

One-half Dozen in a Box

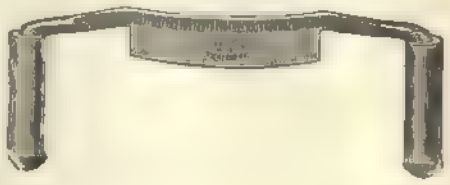
Coopers' Tools.

D. R. BARTON'S.

HOOP KNIVES.

Blade, Inches	7	8	9	10
Per Dozen	$11.25	13.25	15.25	17.25

BACKING KNIVES.



Blade, Inches	7	8
Per Dozen	$12.50	14.50

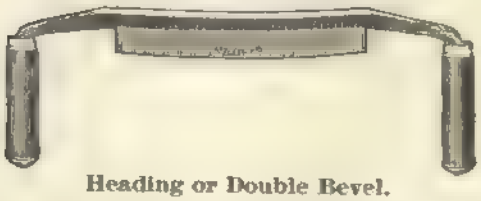
HOLLOWING KNIVES.

Blade, Inches	4	4½	5	5½
Per Dozen	$12.00	12.00	12.00	12.50
Blade, Inches		6	7	8
Per Dozen		$12.50	12.50	14.50

STAVE KNIVES.

Blade, Inches	7	8
Per Dozen	$12.50	14.50

HEADING KNIVES.



Heading or Double Bevel.

Blade, Inches	9x2½	10x2½	12x2½	14x2½	16x2½
Per Dozen	$16.50	18 50	22.50	26 50	30.50

Ohio Special, Heading or Double Bevel.

Blade, Inches	12x2¼	14x2¼
Per Dozen	$36.00	48.00

CHAMPER KNIVES.

Right Hand

Either Right or Left Hand.

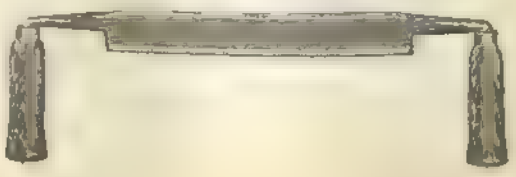
Blade, Inches	4	4½	5	5½
Per Dozen	$15 00	17 50	18 50	20.50
Blade, Inches		6	6½	7
Per Dozen		$22.50	24 50	26 50

Shingle Knives.

D. R. BARTON'S.

Blade, Inches	12x2	14x2
Per Dozen	$18.00	20.00

OHIO TOOL CO.'S.



Blade, Inches	12x1⅝	14x1⅝
Per Dozen	$18.00	20.00

Dozen in a Package

Iron Spoke Shaves.

Per Dozen

No. 1—Smith's, Straight Handles, 9 in. Long, 1⅝ in. Cutter $2 00

Per Dozen

No. 3—Smith's, Straight Handles, 10 in. Long, One Each, 1⅝ in. Straight Cutter and 1¾ in. Curved Cutter. $3.60

Per Dozen

No. 53—Bailey's, Adjustable, Raised Handles, 10 in. Long, 2⅛ in. Cutter $4 50

Extra Cutters, for No. 53 Shaves 1 00

Per Dozen.

No. 55—Bailey's Model, Raised Handles, 10 in. Long, Double Iron, Hollow Face, 2⅛ in. Cutter $3.00

Extra Cutters, for No. 55 Shaves 1.00

Per Dozen

No. 65—Bailey's, Chamfer, Adjustable, Raised Handles, 9½ in. Long, 1½ in. Cutter..$6.00

This tool can be easily adjusted by means of the Thumb Screws attached to the Guides and will chamfer an edge any desired width up to 1½ inch

One-half Dozen in a Box

Per Dozen

No. 2—Smith's, Raised Handles, 10 in. Long, 2⅛ in. Cutter $2.80

Per Dozen

No. 52—Bailey's, Straight Handles, 10 in. Long, Double Iron, 2⅛ in. Cutter $3.50

Extra Cutters, for No. 52 Shaves 1.00

Per Dozen

No. 54—Bailey's, Adjustable, Straight Handles, 10 in. Long, 2⅛ in. Cutter. $4.50

Extra Cutters, for No. 54 Shaves 1.00

Per Dozen

No. 60—Bailey's, Straight Handles, 10 in. Long, Two 1½ in. Cutters, Hollow and Straight $4.50

Extra Cutters, for No. 60 Shaves. 1.50

One-half Dozen in a Box.

Per Dozen

No. 67—Universal, Polished, Rosewood Handles, 1⅞ in. Cutter. $18.00

Both handles are detachable, and either of them can be screwed into a socket on top of the stock, thus enabling the owner to work into corners, or panels, as no other spoke shave can do

One-twelfth Dozen in a Box

Wood Spoke Shaves.

Per Dozen

No. 1—Millers Falls, Cast Steel Cutters, Removable Handles, for Circular Work. $9.00

One-half Dozen in a Box

Per Dozen

No. 84—Stanley's, Boxwood, 11 in. Long, 2 in. Cast Steel Cutter $16.80

No. 85—Stanley's, Boxwood, 12 in. Long, 2½ in. Cast Steel Cutter . . 18 00

One-quarter Dozen in a Box

To Drive.

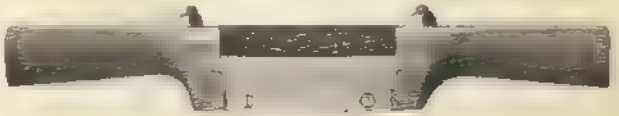
Beechwood.

Per Dozen

No. 10—Plain, 3 in. Steel Cutter. . . $3 65

No. 12—Plated, 3 in. Steel Cutter. . . 4.00

No. 12—Plated, 3 in. Steel Cutter. . . 4 60



With Set Screw.

Per Dozen

No. 15—Beechwood, 3 in. Steel Cutter. $10.00

No. 15—Beechwood, 3½ in. Steel Cutter. 10.60

No. 30—Boxwood, 3 in. Steel Cutter. 12.60

No. 30—Boxwood 3½ in. Steel Cutter. 13.40

Box Coffee Mills.

ARCADE.

Japanned Iron Hopper. Per Dozen

No. 100 6x6x3¾ in. Dovetailed Hardwood Box $5 55
No. 257 6x6x3¾ in. Dovetailed Hardwood Box. 7 45
No. 277 7x7x4½ in. Dovetailed Hardwood Box 8 80

Japanned Iron Hopper, with Shield. Per Dozen

No. 107A 7x7x4½ in. Dovetailed Hardwood Box $8 37

Retinned Iron Hopper, with Shield.

No. 377 7x7x4½ in. Dovetailed Hardwood Box.. 9 30

Japanned Iron Hopper, Hinged Cover. Per Dozen

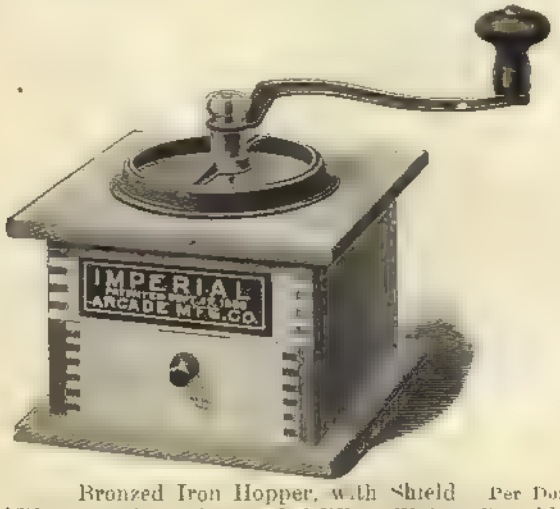
No. 47—7x7x4½ in. Dovetailed Hardwood Box...$10.70

Nickel Plated Iron Hopper, Hinged Cover.

No. 57—7x7x4¼ in. Dovetailed Hardwood Box... 13.75

Bronzed Iron Hopper, Hinged Cover Per Dozen

No. 147—7x7x5½ in. Dovetailed White Walnut Box $10.70

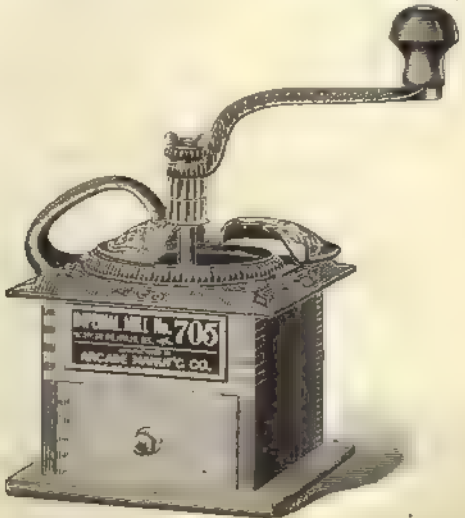


Bronzed Iron Hopper, with Shield Per Dozen

No. 177 7x7x4¾ in. Dovetailed White Walnut Box..$8.75

Japanned Iron Hopper, with Shield

No. 187—7x7x4¾ in. Dovetailed Hardwood Box.... 8.05



Bronzed Iron Top and Covered Hopper Per Dozer

No. 705—6x6x4¾ in. Dovetailed Hardwood Box..$11.10

Average Weight Per Dozen 55 Pounds.

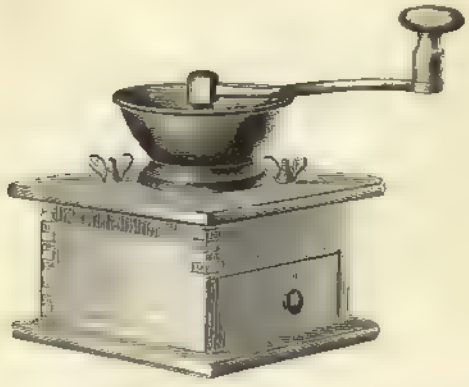
One-half Dozen in a Box.

Box Coffee Mills.

PARKER.

No. 118—5x5x4¼ in. Dovetailed Box, Japanned Iron Hopper ..... Per Dozen $6.00

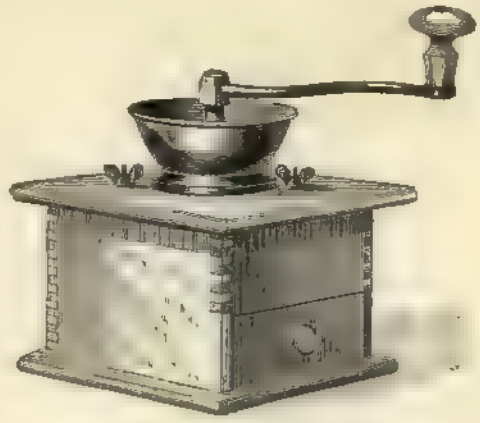
Weight Per Dozen 40 Pounds



Japanned Iron Hopper.

		Per Dozen
No. 102—	5⅜x5¼x3⅛ in. Dovetailed Box....	$9.50
No. 103—	5 x5 x3⅛ in. Dovetailed Box....	9.00
No. 104—	5 x5 x3 in. Dovetailed Box....	8.50

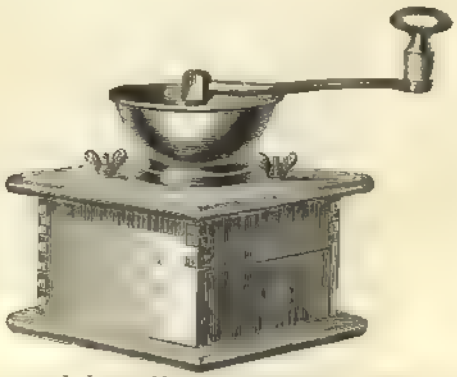
Weight Per Dozen 50 Pounds.



Japanned Iron Hopper.

No. 170—6⅛x6x4¼ in. Dovetailed Box..... Per Dozen $11.00

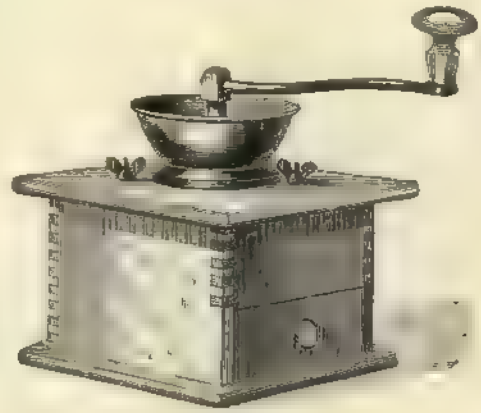
Weight Per Dozen 64 Pounds.



Japanned Iron Hopper Double Grinders.

No. 25—6¼x6x4¼ in. Dovetailed Box. . . . Per Dozen $15 00

Weight Per Dozen 76 Pounds.



Britannia Hopper Double Grinders.

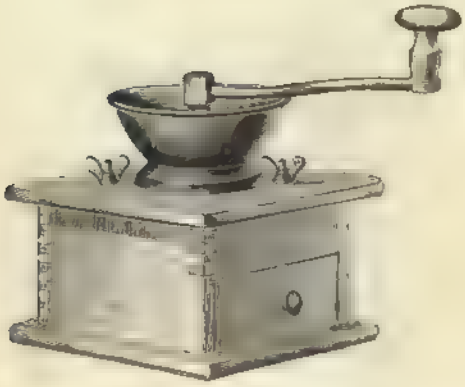
No. 35—6¼x6x4¼ in. Dovetailed Box. Per Dozen $17.50

Weight Per Dozen 76 Pounds.

One-half Dozen in a Box.

Box Coffee Mills.

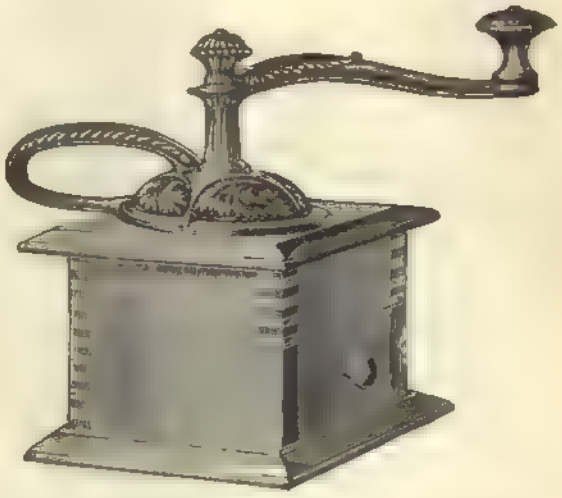
PARKER.



Britannia Hopper.

		Per Dozen
No. 106	5¼x5 x3¼ in. Dovetailed Box	$12.50
No. 107—5	x5 x3⅛ in. Dovetailed Box	11.50
No. 108—5	x5 x3 in. Dovetailed Box	11.00

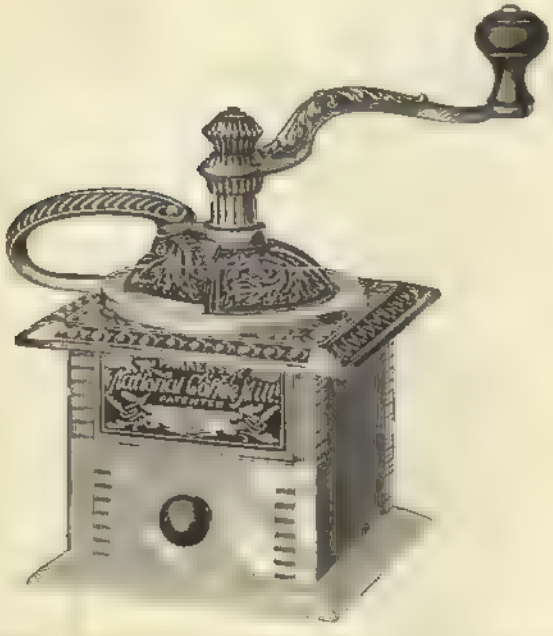
Average Weight Per Dozen 50 Pounds.



Wood Top, Bronzed Iron Covered Hopper.

		Per Dozen
No. 330—4¼x4	x4 in. Dovetailed Box	$11.50
No. 331—4½x5	x4¼ in. Dovetailed Box	13.00
No. 332—5¼x5½x4½	in. Dovetailed Box	14.00

Average Weight Per Dozen 75 Pounds



Bronzed Iron Top and Covered Hopper, with Handle

		Per Dozen
No. 430	4 x4½x4¼ in. Dovetailed Box	$11.50
No. 431	5 x5 x4¾ in. Dovetailed Box	13.00

Average Weight Per Dozen 60 Pounds.

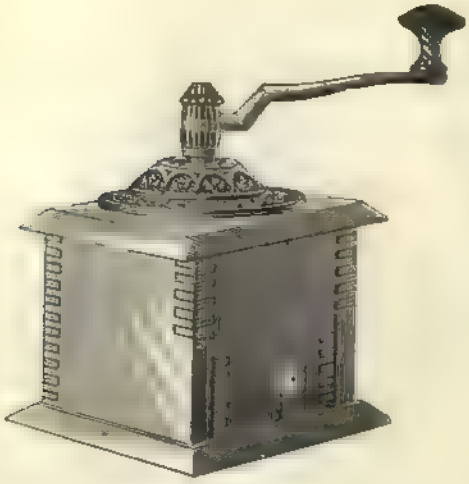
Bronzed Iron Top and Covered Hopper, with Handle

		Per Dozen
No. 432—5x5x4¾	in. Dovetailed Box	$14.00

Weight Per Dozen 76 Pounds.

Box Coffee Mills.

PARKER.



Wood Top, Bronzed Iron Covered Hopper, for Coffee and Spice.

	Per Dozen
No. 300—4 x4½x4 in. Dovetailed Box....	$11.50
No. 301—4¼x5 x4¼ in. Dovetailed Box....	13.00
No. 302—5¼x5¼x4½ in. Dovetailed Box....	14.00
No. 325—5¼x5¼x4¾ in. Dovetailed Box, Double Grinders	15.00

Average Weight Per Dozen 70 Pounds.

Bronzed Iron Top and Covered Hopper, for Coffee and Spice.

	Per Dozen
No. 400—4½x4½x4¼ in. Dovetailed Box..	$11.50
No. 401—5 x5 x4¾ in. Dovetailed Box..	13.00

Average Weight Per Dozen 52 Pounds.

Bronzed Iron Top and Covered Hopper, for Coffee and Spice.

	Per Dozen
No. 402—5x5x4¾ in. Dovetailed Box.....	$14.00

Weight Per Dozen 70 Pounds.

Box Canister, Bronzed Iron Top and Covered Hopper Rapid Grinder, with Handle.

	Per Dozen
No. 541—5¼x5¼x7¾ in. Dovetailed Box, Canister Holds 1 Lb. of Coffee....	$15.00

Weight Per Dozen 90 Pounds

One-half Dozen in a Box

Box Coffee Mills.

SUN.

Box Canister Wood Top, New Improved Adjustment Bronzed Iron Castings Thumb Screw Regulator, Round Tin Side Wood Bottom Drawer, Side Handle.

Per Dozen

No. 1080—6¾x6¾x7⅞ in. Dovetailed Box, Canister Holds 1 Lb. of Coffee.....$7.50

Weight Per Dozen 50 Pounds

UNIVERSAL.

Box Canister All Sheet Steel, Black Enameled, Handsomely Ornamented Patent Adjusting Device, with Side Handle.

Per Dozen

No. 110—6¾x6¾x8½ in. Box, Canister Holds 1 Lb. of Coffee.....$17.00

Weight Per Dozen 33 Pounds.

CROWN.

All Sheet Steel, Black Enameled Brass Covered Hopper, Patent Adjustment.

Per Dozen

No. 21—6¾x6¾x5¼ in. Box.....$20.00

Weight Per Dozen 30 Pounds.

MONITOR.

Seamless Steel Body and Base, Black Japanned

Per Dozen

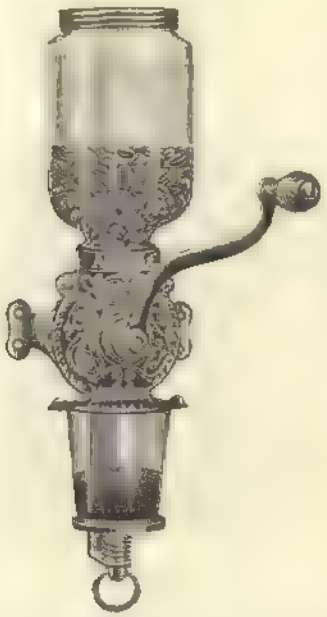
No. 204—Monitor, Coffee and Spice Mill $4 50

Weight Per Dozen 25 Pounds.

One-half Dozen in a Box.

Coffee Mills.

CRYSTAL.



Canister Holds 1 Pound of Coffee.

Per Dozen

No. 2C—Iron Frame, Glass Hopper and Tumbler, Bright and Clear, Coffee Always in Sight, Rubber Cushion Clamps for Holding Tumbler, Pulverizes Coffee if Desired $18.75

Weight Per Dozen 120 Pounds

One in a Wooden Box; One-half Dozen in a Case.

Per Dozen

Extra Glass Hoppers, for Above Mill.....$3.00
Extra Glass Tumblers, for Above Mill..... 1.00

X RAY.

Canister Holds 1 Pound of Coffee.

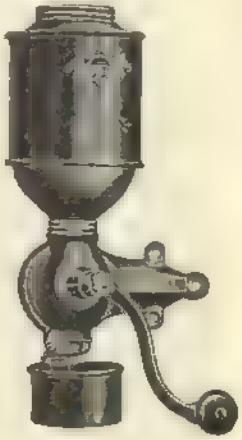
Per Dozen

No. 1X—Hardwood Frame and Hopper with Glass Front, Coffee Always in Sight, Easy to Regulate, for Grinding Fine and Coarse, Japanned Iron Cup....$10.45

Weight Per Dozen 54 Pounds.

One-half Dozen in a Box.

REGAL.



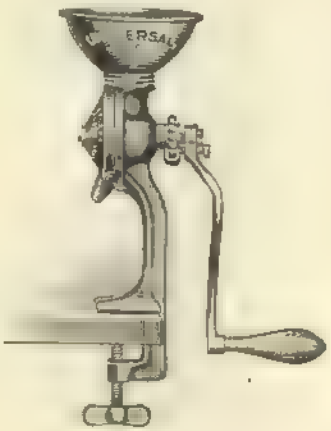
Canister Holds 1 Pound of Coffee.

Per Dozen

No. 44—Japanned Iron Body, Sheet Metal Hopper and Canister, Screw Top, Detachable Steel Cup $8.00

Weight Per Dozen 50 Pounds.

UNIVERSAL.



Per Dozen

No. 010—Japanned Iron Frame and Hopper, Improved Adjusting Device, Powerful Grinders, Can be Clamped to the Table $11.50

Weight Per Dozen 62 Pounds

One-half Dozen in a Box.

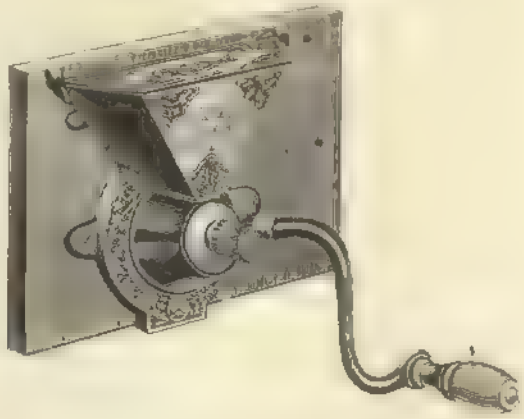
Side Coffee Mills.

PARKER.

Japanned.

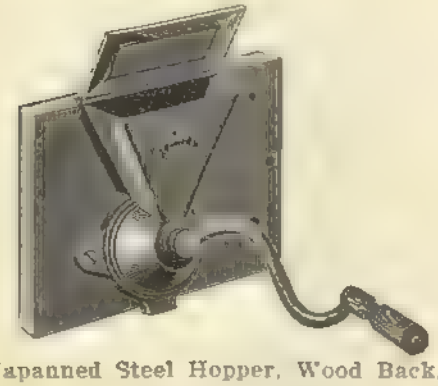
Per Dozen
No. 450—All Iron Frame and Hopper, Thumb Screw Adjustment, Detachable Receptacle.....$10.50
Weight Per Dozen 55 Pounds.

One-half Dozen



Per Dozen
No. 350—Small, 5 x2 in. Bronzed Iron Hopper, Wood Back, Weight Per Dozen 50 Lbs.....$ 8.00
No. 360—Medium, 5½x2½ in. Bronzed Iron Hopper, Wood Back, Weight Per Dozen 58 Lbs..... 9.00
No. 370—Large, 6 x3 in. Bronzed Iron Hopper, Wood Back, Weight Per Dozen 70 Lbs..... 11.00

One-half Dozen in a Box



Japanned Steel Hopper, Wood Back.

Per Dozen
No. 135—Small, Weight Per Dozen 30 Lbs....$6.00
No. 133—Medium, Weight Per Dozen 42 Lbs.. 7.50
No. 132—Large, Weight Per Dozen 64 Lbs... 9 00

One Dozen in a Box.

Japanned Steel Hopper, Wood Back.

Per Dozen
No. 60—Medium, Weight Per Dozen 50 Lbs..$ 8.50
No. 90—Extra Large, Hotel Size, Weight Per Dozen 110 Lbs..... 26 00

One-half Dozen in a Box.

Cross Cut Saws.

E. C. ATKINS & CO.'S.

REX, No. 2 PATTERN TOOTH.

Segment Ground, Silver Steel, Extra Thin Back, 14x19 Gauge.

Length, Feet	5	5½	6
Each, without Handles	$4.10	4.80	5.60

VICTOR, PERFORATED LANCE TOOTH.

Special Steel, Thin Back, 14x18 Gauge.

Length, Feet	5	5½	6	6½	7
Each, without Handles	$3.20	3.52	3.84	4.16	4.48

DIAMOND TOOTH.

Special Steel, Patent Temper Thin Back, 14x18 Gauge.

Length, Feet	5	5½	6	6½	7
Each, without Handles	$3.00	3.30	3.60	3.90	4.20

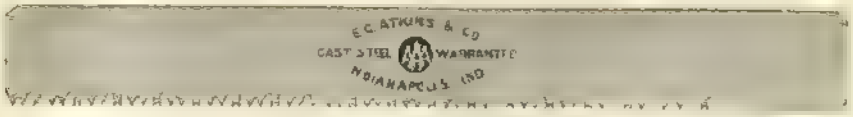
HEMLOCK KING.

Segment Ground, Silver Steel, Extra Thin Back, 14x19 Gauge.

Length, Feet	5	5½	6	6½
Each, without Handles	$4.10	4.80	5.60	6.40

Saws.

DRAG.



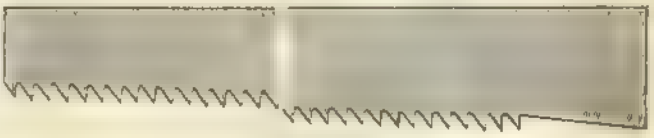
Tuttle Tooth.

	Per Foot
5x7 in., 10 Gauge, 5, 5½ and 6 ft.	$1 15
6x8 in., 10 Gauge, 5, 5½ and 6 ft.	1.25
7x7 in., 10 Gauge, 5½ ft	1 45

DRAG.

Cross Cut Tooth.

DRAG.

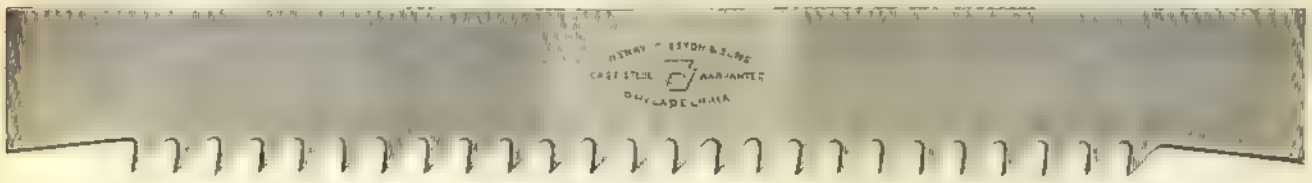


Mill Tooth.

Warranted Extra Cast Steel, Tempered, 10 Gauge.

	Per Foot		Per Foot
5 ft., Tapered, 8 in. Butt, 6 in. Point	$1 25	5 ft., Tapered, 8 in. Butt, 6 in. Point	$1 25
5 ft., Tapered, 7 in. Butt, 5 in. Point	1 15	5 ft., Tapered, 7 in. Butt, 5 in. Point	1.15
5½ ft., Tapered, 8 in. Butt, 6 in. Point	1.25	5½ ft., Tapered, 8 in. Butt, 6 in. Point	1.25
5½ ft., Tapered, 7 in. Butt, 5 in. Point	1.15	5½ ft., Tapered, 7 in. Butt, 5 in. Point	1.15

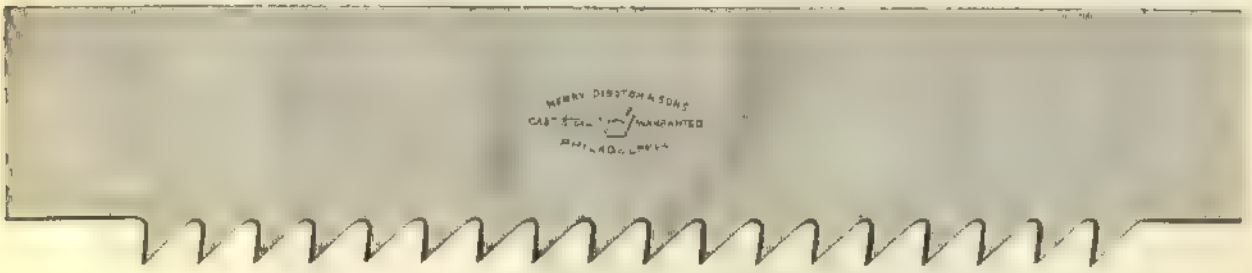
MILL.



No. 1—Cast Steel, Extra Tempered, Patent Ground

Gauge Nos.	5	6	7	8	9
Width, Inches	8	8	8	8	8
Per Foot	$3 00	2 70	2.40	2.20	2 00

MULAY.



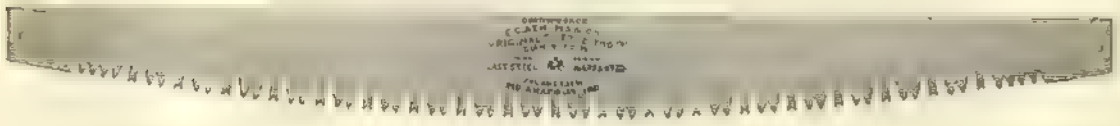
No. 1—Cast Steel, Extra Tempered, Patent Ground.

Gauge Nos.	4	4	4	5	5	5	6	6	6
Width, Inches	10	11	12	10	11	12	10	11	12
Per Foot	$3.90	4.30	4.80	3.60	4.00	4.40	3.30	3.70	4.00
Gauge Nos.	7	7	7	8	8	8	9	9	9
Width, Inches	10	11	12	10	11	12	10	11	12
Per Foot	$3.00	3.30	3.60	2.70	3.00	3.30	2.40	2.70	3.00

Cross Cut Saws.

E. C. ATKINS & CO.'S.

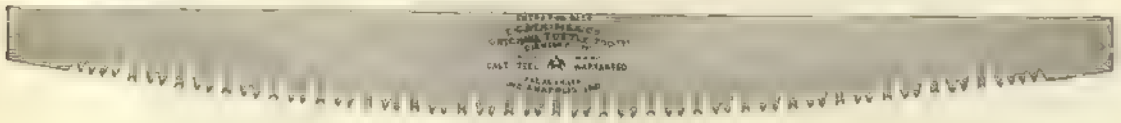
THIN BACK, TUTTLE TOOTH.



No. 1 Special Steel, Thin Back, 14x18 Gauge.

Length, Feet	5	5½	6	6½	7
Each, without Handles	$2.60	2.86	3.12	3.38	3.64

EXTRA THIN BACK, TUTTLE TOOTH.



No. 01—Special Steel, Extra Thin Back, 14x19 Gauge.

Length, Feet	5	5½	6	6½	7
Each, without Handles	$3.10	3.36	3.62	3.88	4.15

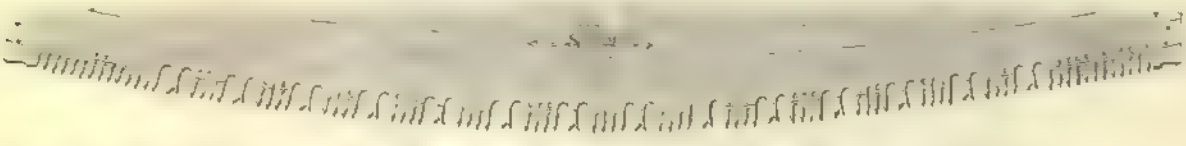
SIMONDS MFG. CO.'S.

CHAMPION TOOTH.

No. 13—Extra Quality Steel, Special Temper, Crescent Ground, Extra Thin Back, 14x19 Gauge.

Length, Feet	5	5½	6	6½	7
Each, without Handles	$4.30	5.10	5.90	6.80	7.80

LANCE TOOTH.



No. 22—Extra Quality Steel Special Temper, Crescent Ground, Extra Thin Back, 14x19 Gauge

Length, Feet	5	5½	6	6½	7
Each, without Handles	$4 30	5.10	5 90	6.80	7 80

Cross Cut Saws.

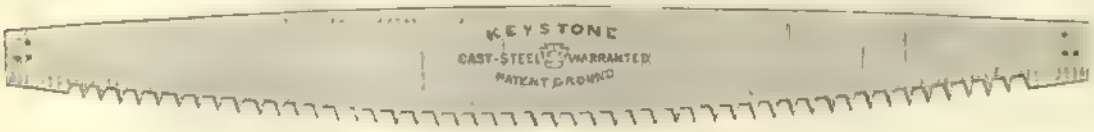
RACER, LANCE TOOTH.

For Cut of Teeth, see page 95.

Silver Steel, Extra Thin Back, 14x19 Gauge.

Length, Feet	5	5½	6	6¼
Each, Without Handles	$6.25	6.88	7.50	8 13

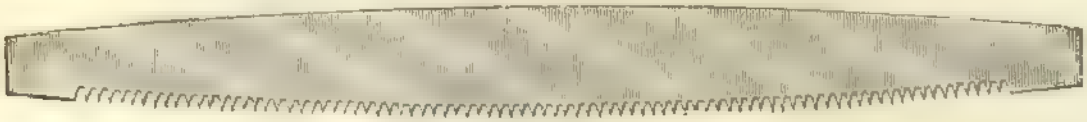
KEYSTONE, COMMON TOOTH.



No. 2—Cast Steel, 14x16 Gauge.

Length, Feet	5	5½	6	6½	7
Each, Without Handles	$3.00	3.30	3.60	3.90	4 20

KEYSTONE, TENON TOOTH.

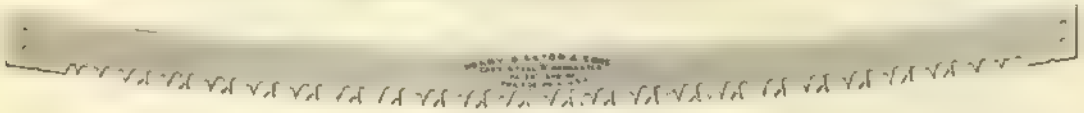


No. 2—Cast Steel, 14x16 Gauge.

Length, Feet	4	4½	5
Each, Without Handles	$2.40	2.70	3 00

Narrow Cross Cut Saws.

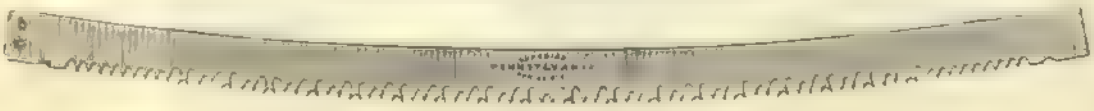
DISSTON'S, CHAMPION TOOTH.



Cast Steel, Hollow Back.

Length, Feet	5	5½	6	6½	7
Each, Without Handles	$1.80	1 98	2 16	2.34	2.52

PENNSYLVANIA, CHAMPION TOOTH.



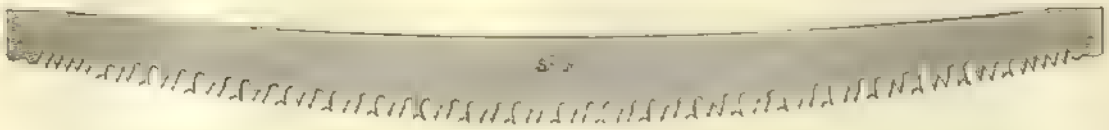
Cast Steel, Hollow Back.

Length, Feet	5	5½	6	6½	7
Each, Without Handles	$1 65	1 83	2 00	2 18	2 35

Felling Saws.

SIMONDS MFG. CO.'S.

SWAY BACK, CHAMPION TOOTH.



No. 113—Extra Quality Steel, Special Temper, Crescent Ground, Extra Thin Hollow Back 14x19 Gauge.

Length, Feet	5	5½	6	6½
Each, without Handles	$4.30	5.10	5.90	6.80

SWAY BACK, LANCE TOOTH.

No. 133—Extra Quality Steel, Special Temper, Crescent Ground, Extra Thin Hollow Back, 14x19 Gauge.

Length, Feet	5	5½	6	6½
Each, without Handles	$4.30	5.10	5.90	6.80

E. C. ATKINS & CO.'S.

PEERLESS.

Segment Ground, Silver Steel, Extra Thin Back, 6 in Blade, 14x19 Gauge

Length, Feet	5	5½	6	6½
Each, without Handles	$4.10	4.80	5.60	6.40

PERFECTION TOOTH.

Segment Ground Silver Steel, Extra Thin Back, 6 in Blade, 14x19 Gauge.

Length, Feet	5	5½	6	6½
Each, without Handles	$4.10	4.80	5.60	6.40

Cross Cut Saws.

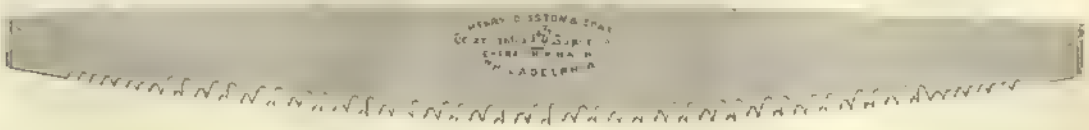
H. DISSTON & SONS'.

VIM, CHAMPION TOOTH.

Special High Grade Steel, Extra Thin Back, 14x19 Gauge.

Length, Feet	5	5½	6
Each, Without Handles	$4.55	5.30	6 20

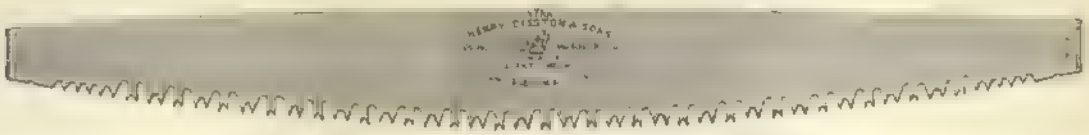
EXTRA THIN BACK, CHAMPION TOOTH.



No. 1—Extra Cast Steel, 14x18 Gauge

Length, Feet	5	5½	6	6½	7
Each, Without Handles	$3 25	3 57	3 90	4 22	4 55

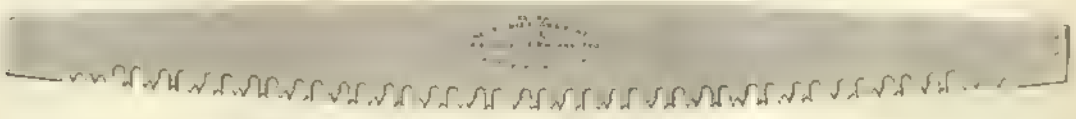
THIN BACK, CHAMPION TOOTH.



No. 2—Extra Quality Steel, 14x16 Gauge.

Length, Feet	5	5½	6	6½	7
Each, Without Handles	$3.00	3.30	3.60	3.90	4 20

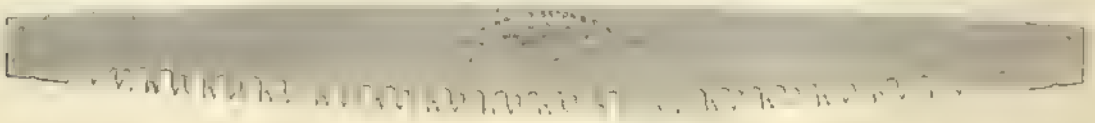
TUTTLE TOOTH.



No. 1—Extra Cast Steel, Extra Thin Back, 14x18 Gauge

Length, Feet	5	5½	6	6½
Each, Without Handles	$3.25	3.57	3.90	4.22

DIAMOND TOOTH.



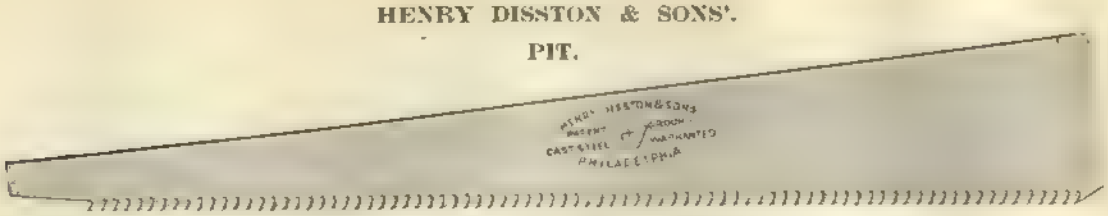
No. 1—Extra Cast Steel, Patent Temper Thin Back 14x18 Gauge

Length, Feet	5	5½	6	6½	7
Each, Without Handles	$3 75	4.12	4 50	4 87	5 25

Saws.

HENRY DISSTON & SONS'.

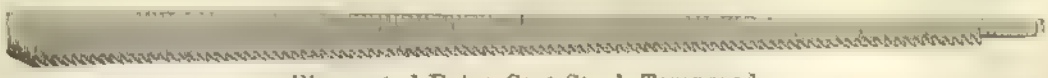
PIT.



Warranted Extra Cast Steel, Tempered.

Length, Feet	5	5½	6	6½	7	7½	8
Each, without Handle	$5.00	5.50	6.00	6.50	7.00	7 50	8 00

WHIP.



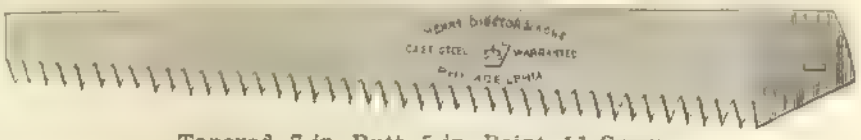
Warranted Extra Cast Steel, Tempered.

Length, Feet	5	5½	6	6½	7	7½
Each, without Handle	$3.00	3.30	3.60	3.90	4.20	4.50

HAND ICE.

Malleable Iron Handle.	Per Dozen	Wood Handle	Per Dozen
No. 73—28 inch	$21.00	No. 71—28 inch	$18.00

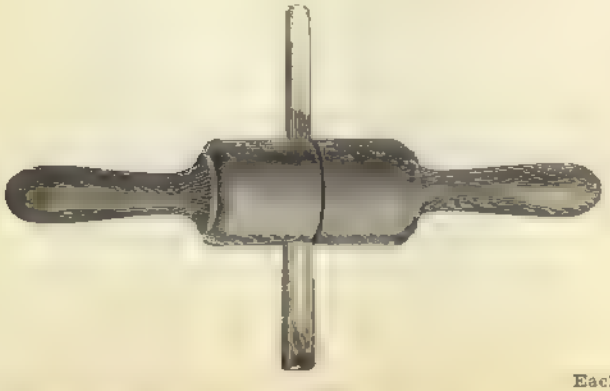
POND ICE.



Tapered, 7 in. Butt, 5 in. Point, 11 Gauge.
Set and Sharpened, without Tiller Handles.

Length, Feet	4	4½	5
Each	$3.40	3.85	4.25

Box Handles.



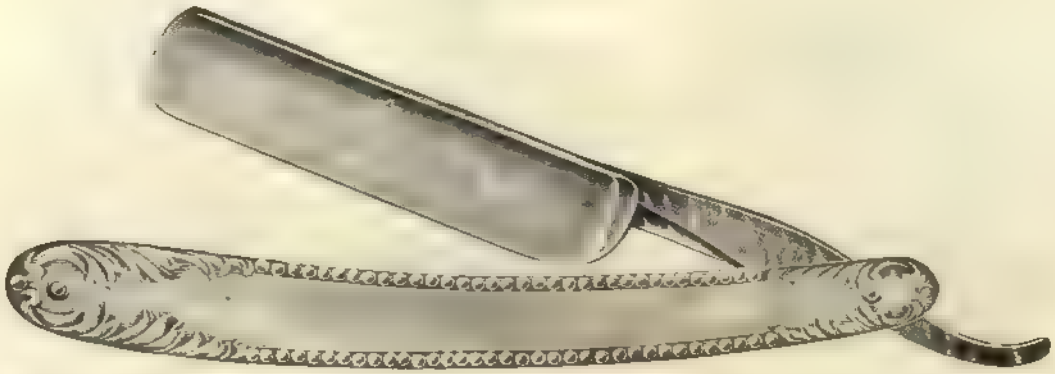
Box Handles—For Pit and Whip Saws ... Each $1 00

Tiller Handles.

Tiller Handles—For Pit, Whip and Pond Ice Saws ..... Each $1.10

Razors.

Cuts Full Size.



No. 974—EVERKEEN, ⅝ in. Blade, Full Hollow Ground, Round Point, Crocus Finish, Gilt Etching, Antique Ivory Celluloid Handle..... Per Dozen $30.00

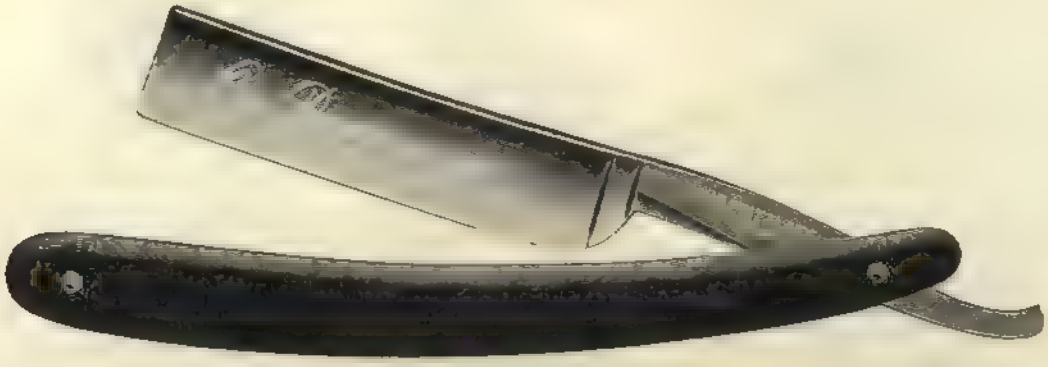
No. 854—EVERKEEN, ⅝ in. Blade, Full Hollow Ground, Square Point, Finely Finished, Gilt Etching Walnut Celluloid Handle.. .. .. Per Dozen $27 00

No. 852—EVERKEEN, ¾ in. Blade, Hollow Ground, Irish Point, Full Crocus Finish, Silver Etching, Polished File Tang, Black Rubber Handle ....$22.00 Per Dozen

One-half Dozen in a Box.

Razors.

Cuts Full Size



Per Dozen

No. 810—"Our Dreadnought," ⅞ in. Blade, Full Hollow Ground, Square Point, Finely Finished, Black Rubber Handle $24.00

One-half Dozen in a Box

Per Dozen

No. 800—Famous, ⅞ in. Blade, Hollow Ground, Square Point, Finely Finished, Black Rubber Handle. $20 00

One-half Dozen in a Box.

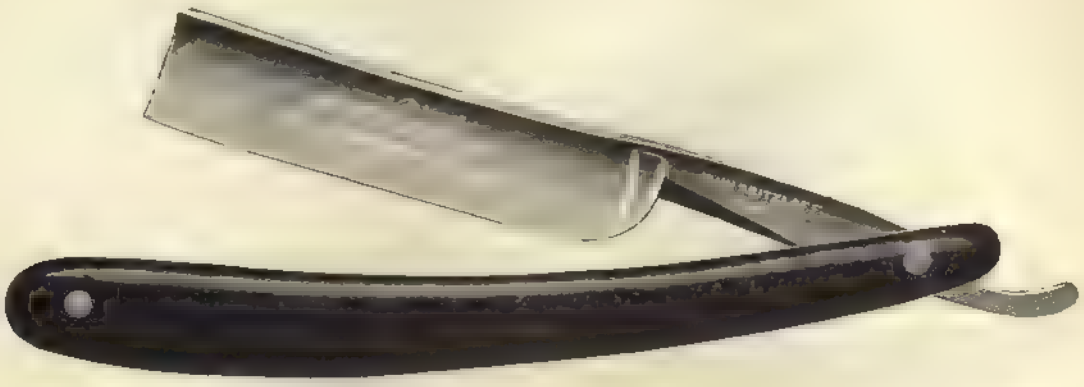
Per Dozen

No. 1094— ⅞ in. Blade, Full Hollow Ground, Square Point, Finely Finished Owl Pattern Handles, Assorted ½ Dozen in a Box, Black Rubber, Ivory Celluloid, Shell Celluloid and Onyx Celluloid $18.00

One-half Dozen in a Box

Razors.

Cuts Full Size.



Per Dozen

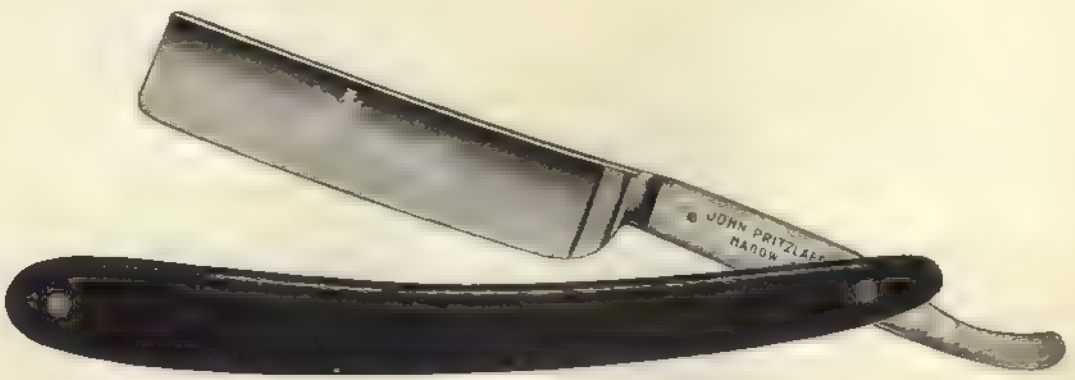
No. 856—[illegible], ⅞ in. Blade Extra Hollow Ground, Square Point, Fine Glaze Finish, Black Rubber Handle $16.00

One-half Dozen in a Box

Per Dozen

No. 975—⅝ in. Blade, Full Hollow Ground Square Point, Crocus Finish, Black Rubber Tang, Black Rubber Handle $34.00

One-quarter Dozen in a Box



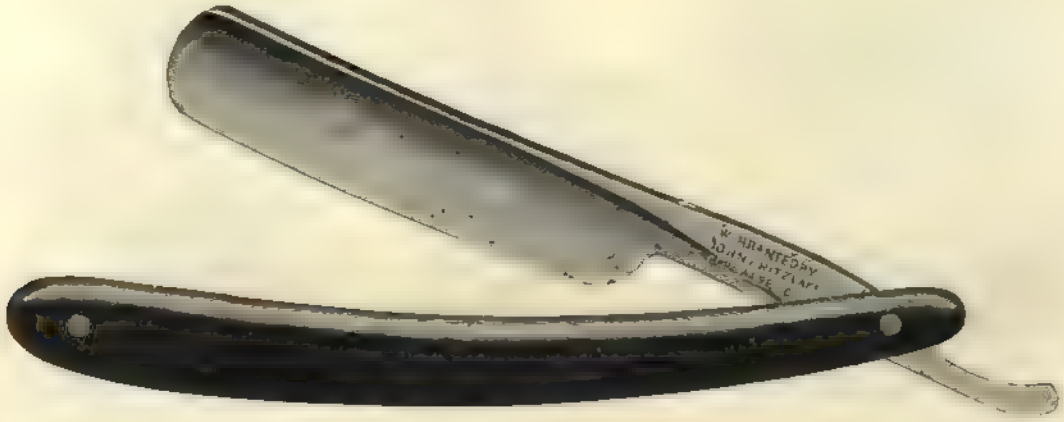
Per Dozen

No. 980—**Pearl**, ⅝ in. Blade, Full Hollow Ground, Square Point, Crocus Finish, Pearl Tang, Black Rubber Handle $42 00

One-quarter Dozen in a Box

Razors.

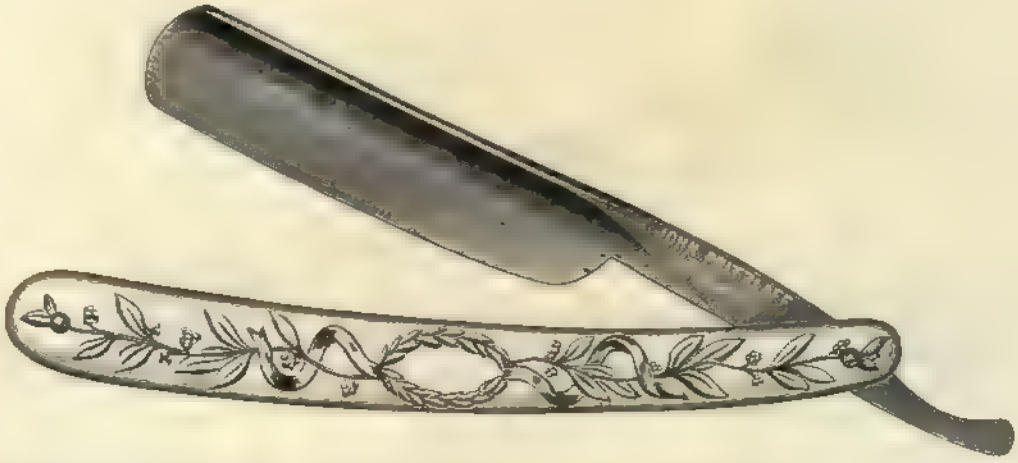
Cuts Full Size



Per Dozen

No. 920—**Prince**, ⅝ in. Blade, Frame Back Grinding, Extra Thin, Round Point, Full Crocus Finish, File Tang, Black Rubber Handle $24.00

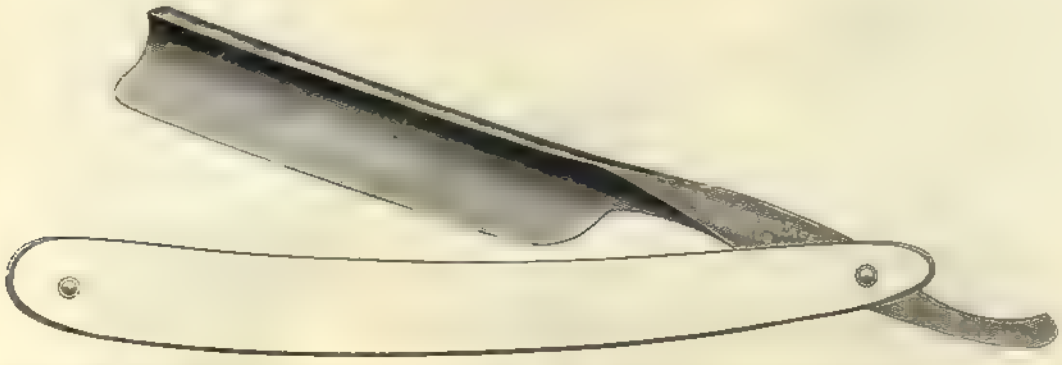
One-half Dozen in a Box



Per Dozen

No. 965—⅝ in. Blade, Frame Back Grinding, Round Point, Full Crocus Finish, Gilt Etching, File Tang, Antique Ivory Celluloid Handle $28.00

One-quarter Dozen in a Box



Per Dozen

No. 935—**Jewel**, ⅝ in. Blade, Frame Back Grinding, Dish Point, Full Crocus Finish, File Tang, Ivory Celluloid Handle $26.00

One-half Dozen in a Box

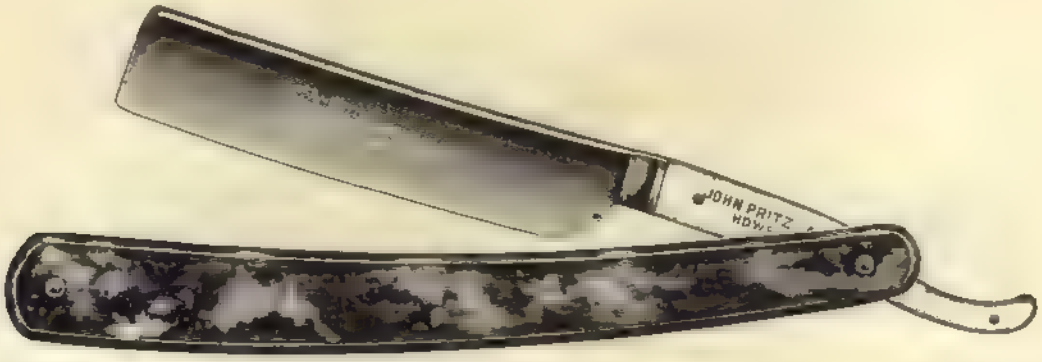
Razors.

Cuts Full Size.

Per Dozen

No. 851—EVERKEEN, ⅜ in. Blade, Full Hollow Ground, Square Point, Crocus Finish, Gilt Etching, Smoked Pearl Handle, Smoked Pearl Tang.....$36.00

One-half Dozen in a Box.



Per Dozen

No. 855—EVERKEEN, ⅜ in. Blade, Full Hollow Ground, Square Point, Full Crocus Finish, Gilt Etching Ivory File Tang, Shell Celluloid Handle.....$36.00

One-half Dozen in a Box

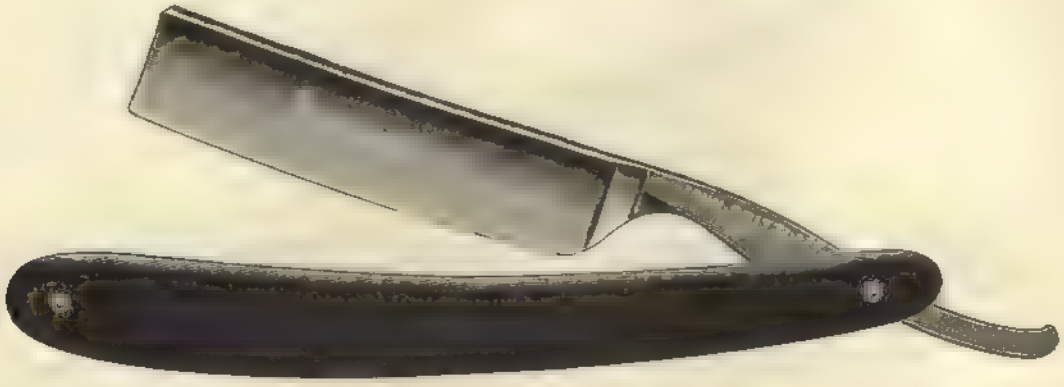
Per Dozen

No. 853—EVERKEEN, ⅜ in Blade, Full Hollow Ground, Square Point, Full Crocus Finish, Gilt Etching, File Tang, Onyx Celluloid Handle.....$28.00

One-half Dozen in a Box

Razors.

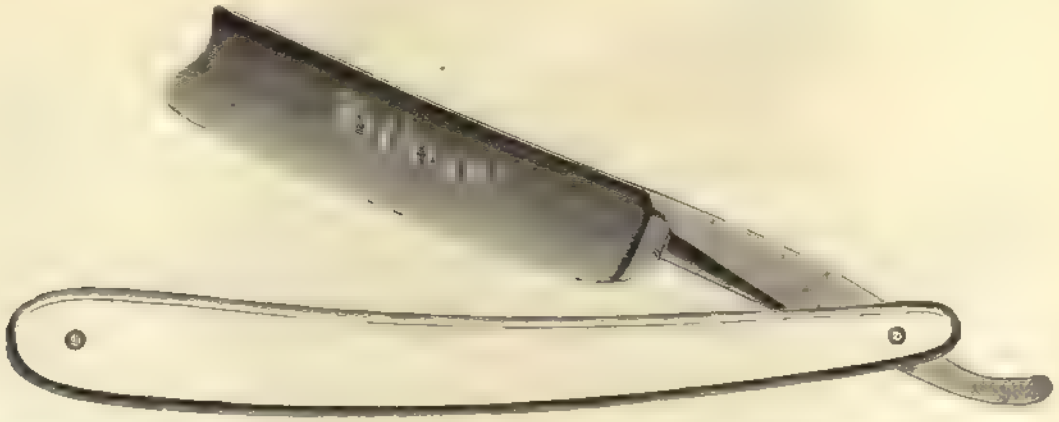
Cuts Full Size



Per Dozen

No. 900—Splendid, ⅞ in Blade, Full Hollow Ground Square Point, Finely Finished, File Tang, Black Rubber Handle $28.00

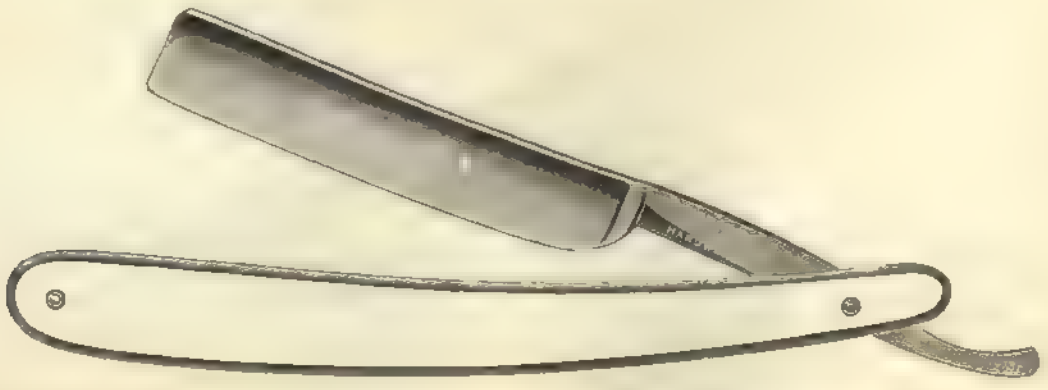
One-quarter Dozen in a Box



Per Dozen

No. 850—Brilliant, ⅞ in. Blade, Full Hollow Ground, Dish Point, Finely Finished, File Tang, Ivory Celluloid Handle $24.00

One-half Dozen in a Box



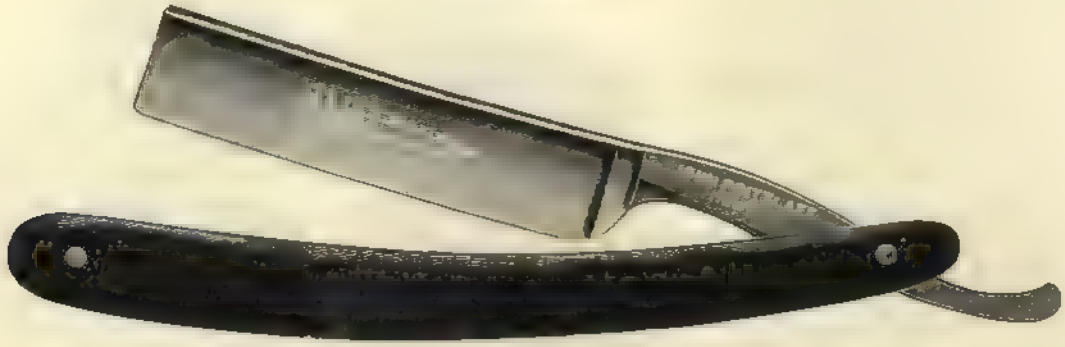
Per Dozen

No. 825—Beauty, ⅞ in Blade, Extra Hollow Ground, Square Point, Finely Finished Ivory Celluloid Handle $22.00

One-half Dozen in a Box

Razors.

Half Full Size

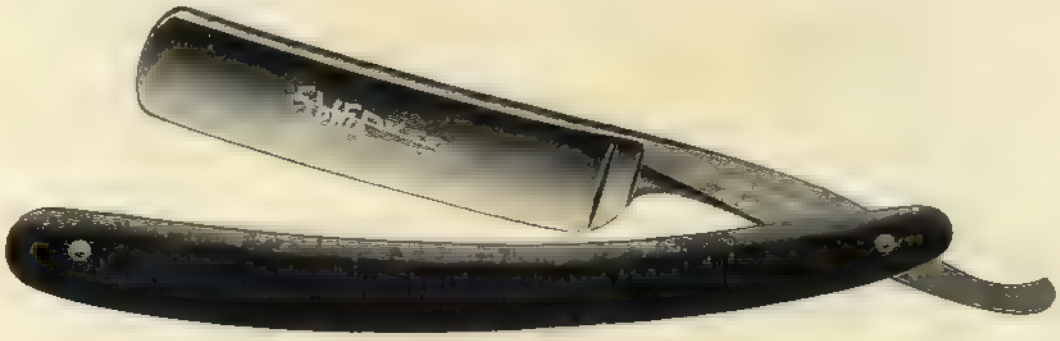


Per Dozen

No. 875—EVERKEEN, ½ in. Blade, Full Hollow Ground, Square Point, Finely Finished, File Tang, Black Rubber Handle $30 00

No. 875—EVERKEEN, ⅝ in. Blade, Full Hollow Ground, Square Point, Finely Finished, File Tang, Black Rubber Handle 30.00

No. 875—EVERKEEN, ¾ in. Blade, Full Hollow Ground, Square Point, Finely Finished, File Tang, Black Rubber Handle 30.00



Per Dozen

No. 875R—EVERKEEN, ⅝ in. Blade, Full Hollow Ground, Round Point, Finely Finished, File Tang, Black Rubber Handle $30 00

Per Dozen

No. 601—EVERKEEN, ½ in. Blade, Double Hollow Ground, Square Point, Polished File Tang, Black Rubber Handle $30 00

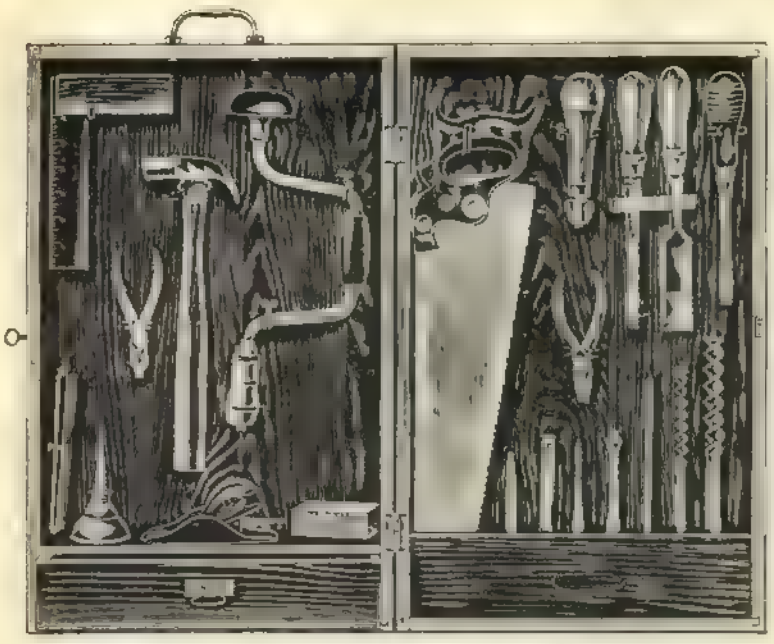
No. 601—EVERKEEN, ⅝ in. Blade, Double Hollow Ground, Square Point, Polished File Tang, Black Rubber Handle 30.00

No. 601—EVERKEEN, ¾ in. Blade, Double Hollow Ground, Square Point, Polished File Tang, Black Rubber Handle 30.00

No. 601R—EVERKEEN, ⅝ in. Blade, Full Hollow Ground, Round Point, Polished File Tang, Black Rubber Handle 30.00

Dozen in a Box

Tool Cabinets.



Contents: 21 Tools as Follows:

1 No.
1 No. ½ Stanley
1 No. 1
1 Pair No. 1319 Gas Pliers
1 Pair No. 85
No. ¼ inch Socket
1 No. 1 ¾
No. Tool Holder with 10 Tools
No. 210
¼ inch
½ inch
1 ¾ inch
¾ inch
1 No. ¾ inch
1 No. 18
Oil Stone
Can
No. 246
Nail Set
Screw Driver

Each

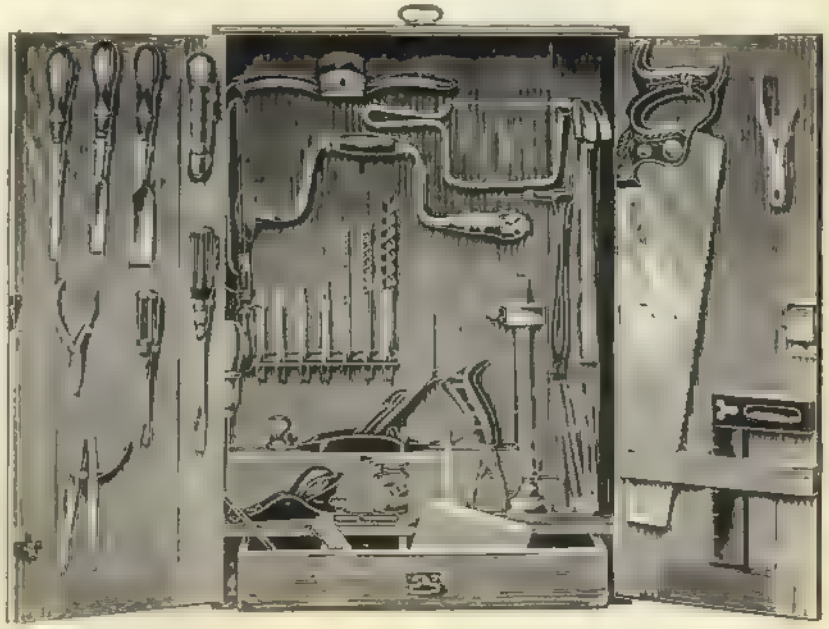
No. 99½—22x14x5½ in. Outside Dimensions. Every Tool Warranted. Complete with Tools.....$14.40

Weight Each About 15 Pounds

One in a Crate.

Contents: 36 Tools as Follows:

1 No. 60 18 inch Saw
No. 828
Genuine Gimlet Bits
1 ¼ inch Cutnex Auger Bit
1 ⅜ inch Cutnex Auger Bit
1 ½ inch Cutnex Auger Bit
1 ¼ inch Cyclopean Socket Firmer Chisel
1 ½ inch Cyclopean Socket Firmer Chisel
1 ¾ inch Cyclopean Socket Firmer Chisel
1 No. 4 inch Screw Driver
No. 6 inch Screw Driver
No. 30 8 inch Back Saw
No. 31 3 inch Pocket Level
1 Rose Countersink Bit
No. 6 Cabinet Scraper
1 No. 1 Standard Nail Hammer
1 No. 2 Tack Hammer
1 No. Tool Holder with 10 Tools
1 8 inch Cyclopean Driving Kit
No. Cyclopean
No. 1 2 Cyclopean
1 No. 61 Rule
1 No. 26 5 inch Try Square
1 No. 42 Mortise Gauge
1 No. Set
1 Pair 7 inch Wing Dividers
1 Pair No. 30 Gas Pliers
1 Pair No. 20 Nail Pliers
1 Pair No. 42 inch Pliers
Tube Flue
Arkansas Oil Stone.
Oil Can
1 Small Can Glue
No. 60 Oiling Stick

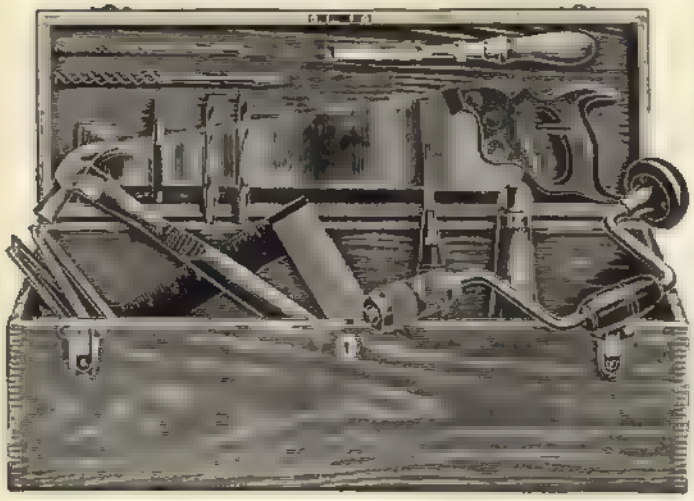


No. 101—26⅜x19⅜x8 5/16 in. Outside Dimensions. Chestnut, Paneled and Nicely Finished. Every Tool Warranted, Complete with Tools.....$28.80

Weight Each About 35 Pounds.

One in a Crate

Tool Boxes.



Contents: 13 Tools as Follows:

1 No. 80 16 inch Saw.
1 No. 210 Brace
2 Gimlet Bits
1 ¼ inch Common Auger Bit
1 ½ inch Common Auger Bit
1 No. 5 4 inch Screw Driver
1 No. 61 Rule
1 No. 1½ Standard Nail Hammer
1 No. 1 ¼ inch Socket Firmer Chisel
1 Nail Set
1 No. 20 6 inch Try Square
1 No. 5 Tool Holder with 10 Tools

Each

No. 1005—22x7½x8 in. Outside Dimensions, with Handle on Top, Box Hinges, Trunk Clasps and Lock, Every Tool Warranted, Complete with Tools $10.00

Easy Portable. Edge Tools are held in Place in Lid so as not to Damage Other Tools.

Weight Each About 18 Pounds.

Four in a Crate

Tool Cabinets.

Contents: 14 Tools as Follows:

1 No. 80 16 inch Saw
1 No. 1½ Standard Nail Hammer
1 No. 210 Brace
1 No. 5 4 inch Screw Driver
1 No. 102 Block Plane
1 ¼ inch Common Auger Bit
1 ½ inch Common Auger Bit
1 German Gimlet Bit
1 Pr. No. [illegible] Pliers
1 No. 1 [illegible] Socket Firmer Chisel
1 No. 68 Rule
1 No. [illegible] Saw
1 Nail Set
1 No. 20 6 inch Try Square

Each

No. 99—22x14x5½ in. Outside Dimensions, Every Tool Warranted, Complete with Tools $10.00

Weight Each About 14 Pounds.

One in a Crate

Carpenters' Empty Tool Chests.

Selected Chestnut, Filled and Varnished, Two Sliding Trays, Lock and Key.

	Each
No. 250—25x12½x9½ in., Inside Measurements	$5.25

Weight Each About 20 Pounds

One in a Crate

Hardwood, Filled and Varnished, Paneled Lid, Heavy Band Mouldings, Two Sliding Trays, One Saw Rack, Lock and Key.

No. 260—28x15x14 in. Inside Measurements, Weight Each, not Crated, About 43 Lbs. Crated, About 58 Lbs.	$ [illegible]25
No. 260½—31x15x14 in. Inside Measurements, Will Take a 26 in Hand Saw, Weight Each, Not Crated, About 46 Lbs., Crated, About 66 Lbs.	9.38
No. 270—33x18x16 in., Inside Measurements, Will Take a 28 in. Saw, Weight Each, Not Crated, About 62 Lbs., Crated, About 95 Lbs.	10.50

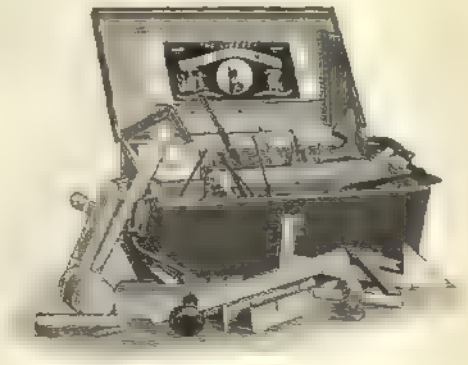
One in a Crate

Boys' Tool Chests.

Per Dozen

No. 70—16½x8¾x6 in. Inside Measurement, Chestnut Box, Well Varnished, Locked Corners, Movable Tray, Beaded Mouldings, Hinged Cover, Bronzed Handles, Containing 22 Assorted Tools $21.00

No. 80—18x9¼x6½ in. Inside Measurement, Chestnut Box, Well Varnished, Locked Corners, Movable Tray, Beaded Mouldings, Hinged Cover, Bronzed Handles, Containing 24 Assorted Tools 24.00

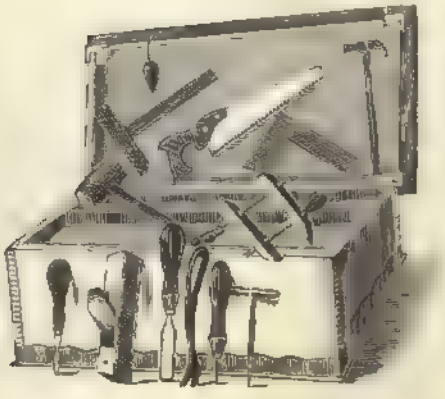


Per Dozen

No. 90—18x9¼x6½ in. Inside Measurement, Chestnut Box, Well Varnished, Locked Corners, Movable Tray, Beaded Mouldings, Hinged Cover, Bronzed Handles, Containing 26 Assorted Tools $27.00

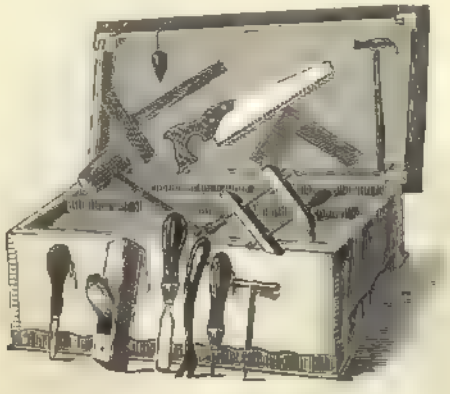
No. 160—19x10½x7 in. Inside Measurement, Chestnut Box, Well Varnished, Locked Corners, Movable Tray, Beaded Mouldings, Hinged Cover, Bronzed Handles, Containing 27 Assorted Tools 34.00

[illegible] Half Dozen in a Crate



Per Dozen

No. 66—14½x7x5¾ in. Inside Measurement, Chestnut Box, Trimmed with Stained Mouldings, Nicely Varnished, Locked Corners, Movable Tray, Containing 23 Assorted Tools $18.00



Per Dozen

No. 77—15½x8x5½ in. Inside Measurement, Chestnut Box, Trimmed with Stained Mouldings, Nicely Varnished, Locked Corners, Partitioned Tray, Containing 25 Assorted Tools $24.00

[illegible] Dozen in a Crate

Carpenters' Hand Tool Case.

Each

No. 35—24¼x17x6 in. Outside Dimensions. 33x15¾x5 in. Inside Dimensions, Removable Tray 32½x 1¾x4¼ in., Selected Hardwood, Handsomely Finished, Paneled Sides Furnished with Brass Lock, Leather Handles, with Rings for Strap to Pass Over Shoulder, Metal Clasps, Metal Corners, Saw Rack for Holding 4 Saws Including a 28 in. Rip Saw, Hooks for Brace and Coping Saw, Wood Button for Try Square Partitioned Tray for Bits, Chisels and Small Tools, **Will Take a Steel Square with an 18 in. Tongue** $10.00

Weight Each About 15 Pounds.

Six in a Crate

Carpenters' Shoulder Tool Chests.

Each

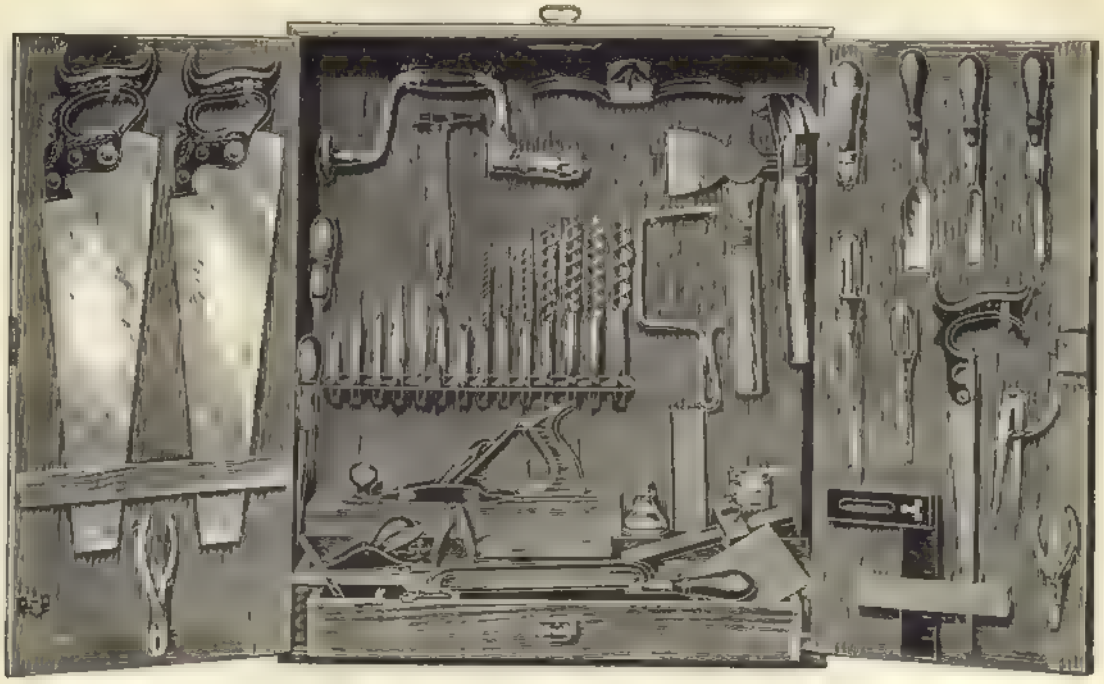
No. 20—25 in Long, 8 in. Wide, 8 in. Deep. Inside Dimensions, Chestnut, Dovetailed Corners. Brass Elbow to Support Lid when Open, Rack for Holding Saws, Drop Handles, with Lock. ... $6 00

A Portable Tool Chest. Can be Conveniently Carried on the Shoulder.

Weight Each About 11 Pounds.

Four in a Crate.

Tool Cabinets.



Each

No. 102—28⅞x24⅝x8¼ in. Outside Dimensions, Chestnut, Paneled and Nicely Finished. Every Tool Warranted, Complete with Tools..... ..$40.00

Contents: 46 Tools, as Follows:

1 No. 88 Brace
1 No. 60 20 inch Panel Saw
No. 50 20 inch Rip Saw.
1 ¼ inch Everlasting Socket Firmer Chisel
1 ½ inch Everlasting Socket Firmer Chisel
1 ¾ inch Everlasting Socket Firmer Chisel
3 German Gimlet Bits
1 ⅛ inch Climax Auger Bit.
1 ⅜ inch Climax Auger Bit
1 ⅝ inch Climax Auger Bit
1 ⅛ inch Climax Auger Bit.
1 ⅝ inch Climax Auger Bit
1 ⅞ inch Climax Auger Bit
1 ⅜ inch Climax Auger Bit.
1 Rose Countersink Bit
1 Square Reamer Bit.
1 No. 31 3 inch Pocket Level
1 Screw Driver Bit
1 No. 7 4 inch Screw Driver
1 No. 7 6 inch Screw Driver
1 12 inch Adams' Compass Saw
1 No. 6 Cabinet Scraper
1 No. 30 8 inch Hack Saw
1 No. 100 Coping Saw
1 No. 1 [illegible] Hammer
1 No. 25 [illegible] Hammer
1 No. 1 Black Warrior Shingling Hatchet
1 No. 7 Tool Holder with 10 Tools
1 No. 20 6 inch Try Square
1 Nail Set
1 No. 8110 Everlasting Plane
1 No. 8½ Everlasting Plane
1 Oiler
1 Small Can Glue
1 8 inch Everlasting Drawing Knife
1 No. 62 Marking Gauge
1 No. 61 Rule
1 Pair 7 inch Wing Dividers
1 Pair No. 1390 Gas Pliers
1 Pair No. 20 5 inch Pliers
Pair No. 95 5 inch Pliers.
2 Files
1 Derrick Oil Stone

Weight Each About 43 Pounds.

One in a Crate

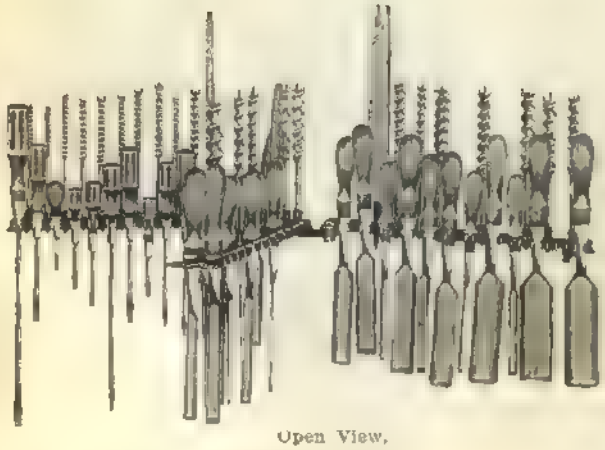
Gentlemen's Tool Chests.

	Per Dozen
No. 218—15x6½x5 in. Inside Measurement, Selected Chestnut, Heavy and Strong, Polished and Varnished Round Corners, Movable Tray, Heavy Mouldings, Hinged Cover, Brass Handles, Fitted with Lock and Key, Containing About 16 Tools	$54.00
No. 219—16x7½x5½ in. Inside Measurement, Selected Chestnut, Heavy and Strong, Polished and Varnished Round Corners, Movable Tray, Heavy Mouldings, Hinged Cover, Brass Handles, Fitted with Lock and Key, Containing About 18 Tools	67.00
No. 220—18x8½x6 in. Inside Measurement, Selected Chestnut, Heavy and Strong, Polished and Varnished, Round Corners, Movable Tray, Heavy Mouldings, Hinged Cover, Brass Handles, Fitted with Lock and Key, Containing About 20 Tools	80.00

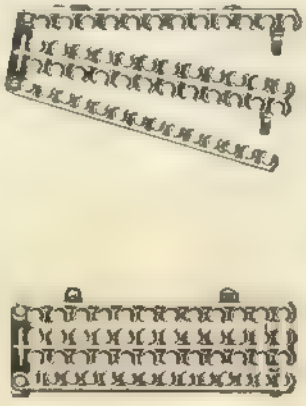
Nos. 218 and 219, One Dozen; No. 220 One-half Dozen in a Crate

Tool Holders.

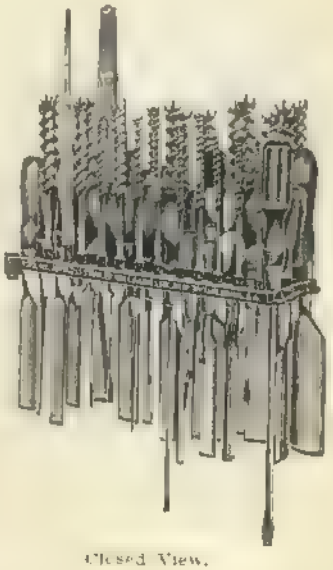
STANLEY'S.



Open View.



Top View.



Closed View.

	Per Dozen
No. 255—15x6 in. when Closed, Japanned Iron Rack, Will Hold 50 Small Tools	$24 00

The use of this Tool Holder enables the owner to keep his tools clean and in good order, prevents the tools from rubbing together and becoming dull

Plumbs and Levels.

Per Dozen

No. 27—Cherry, Natural Finish, Arch Top Plate, Brass Lipped Side and Plumb Views, Solid Brass Ends, Proved Glasses, Assorted 12 to 18 in.....$26.00

One-twelfth Dozen in a Pasteboard Box

Per Dozen

No. 104½—Cherry, Arch Top Plates, Tipped and Polished, Not Adjustable, Assorted 12 to 18 in.....$9.60

One Dozen in a Box

Per Dozen

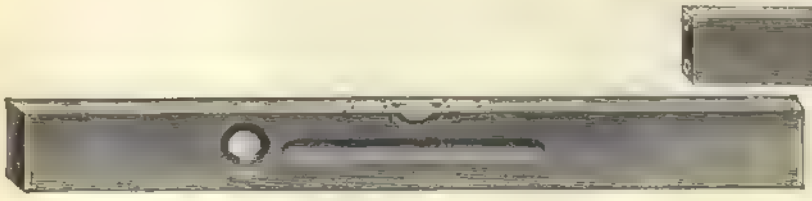
No. 20—Handy, Arch Top Plate, Polished, Not Adjustable, Assorted 24 to 30 in $9.60

One-half Dozen in a Box

Per Dozen

No. 1X—Handy, Cherry, Square Top Plate, Adjustable Proved Glasses, Assorted 24 to 30 in.....$11.40

One-half Dozen in a Box



Per Dozen

No. 016—Handy, Square Top Plate, Tipped and Polished, Adjustable, Assorted 24 to 30 in.....$15.00

One-half Dozen in a Box.

Per Dozen

No. 13—Handy, Selected Cherry, Square Top Plate, Tipped, Two Plumbs, Proved Glasses, Adjustable, Assorted 24 to 30 in.....$19.92

One-twelfth Dozen in a Box

Per Dozen

No. 93—Mahogany Brass Bound, Square Top Plate, Proved Glasses, Polished, Assorted 24 to 30 in..... $48.00

Per Dozen

No. 111—Rosewood, Square Top Plate, Tipped, Brass Lipped Side Views, Two Plumbs, Proved Glasses, Adjustable, 24 to 30 in.....$40.80

One-twelfth Dozen in a Box

Levels.

No. 150—Cherry Wood, Stained, Nickel Plated Top Plate, Length 12 in . . . . . Per Dozen $2.00

No. 1—Arch Top Plate, Polished, Not Adjustable, Assorted 10 to 16 in.....Per Dozen $8.15

No. 3—Arch Top Plate, Polished, Not Adjustable, Assorted 18 to 24 in.....Per Dozen $10.75

Plumbs and Levels.

No. 9—Arch Top Plate, Polished, Not Adjustable, Assorted 24 to 30 in . . . . Per Dozen $17.75

No. 11—Arch Top Plate, Tipped and Polished Not Adjustable, Assorted 24 to 30 in Per Dozen $25.00

No. 15—Arch Top Plate, Brass Lipped Side Views, Polished, Patent Adjustable, Assorted 26 to 30 in.....Per Dozen $24.00

No. 16—Arch Top Plate, Solid Brass Ends, Polished, Patent Adjustable, Assorted 26 to 30 in.....Per Dozen $28.50

No. 17—Arch Top Plate, Brass Lipped Side Views, Solid Brass Ends, Polished, Patent Adjustable, Assorted 26 to 30 in 31.50

No. 18—Arch Top Plate, Mahogany, Tipped and Polished, Patent Adjustable, Assorted 26 to 30 in.....Per Dozen $36.20

No. 21—Arch Top Plate, Brass Lipped Side Views, Mahogany, Solid Brass Ends, Polished, Patent Adjustable, Assorted 26 to 30 in 38.60

No. 22—Triple Stock, Arch Top Plate, Brass Lipped Side Views, Selected Cherry, Tipped and Polished, Patent Adjustable, Assorted 26 to 30 in.....Per Dozen $35.80

No. 23—Triple Stock, Arch Top Plate, Brass Lipped Side Views, Mahogany, Solid Brass Ends, Polished, Patent Adjustable, Assorted 26 to 30 in..... 43.10

Quantities of Half Dozen in a Box

Davis' Patent Plumbs and Levels.

CARPENTERS' AND MACHINISTS' ADJUSTABLE IRON, DOUBLE.

No. 6C—6 in., Patent Adjustable, Iron, Double Plumb and Level..... Per Dozen $24.00

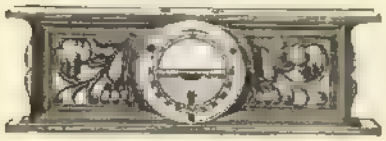
No. 7C—12 in., Patent Adjustable, Iron, Double Plumb and Level..... Per Dozen $27.00

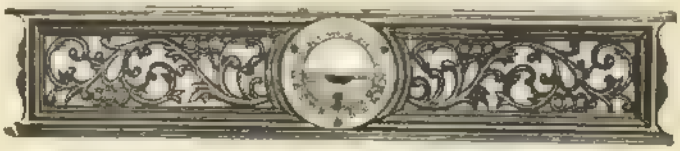
No. 8C—18 in., Patent Adjustable, Iron, Double Plumb and Level.. . Per Dozen $30.00

No. 9C—24 in., Patent Adjustable, Iron, Double Plumb and Level . . 36 00

No. 49C 24 in., Machinists' and Carpenters', Adjustable, Iron, Plumb, Level and Inclinometer Combined, with Plain Glasses..... Per Dozen $60.00

MACHINISTS' ADJUSTABLE IRON LEVEL, PLUMB AND INCLINOMETER.





No. 1M—7 in., Patent Machinists', Iron Level, Plumb and Inclinometer . .....$24.00 Per Dozen

No. 2M 12 in., Patent Machinists', Iron Level, Plumb and Inclinometer.....$30.00 Per Dozen

No. 3M—18 in., Patent Machinists' Iron Level, Plumb and Inclinometer . . .$36.00

No. 4M -24 in., Patent Machinists Iron Level Plumb and Inclinometer . . 42.00

One twelfth Dozen at a time

Plumbs and Levels.

STANLEY'S.

No. 36—Style of 6 and 9 inch.

No. 36—Style of 12, 18 and 24 inch.

No. 36—Japanned, Nickel Plated Trimmings, Proved Glasses, Two Plumbs, **Flat Bottom.**

Length, Inches...	6	9	12	18	24
Per Dozen	$15.00	18.00	21.00	24.00	27.00

No. 36G Japanned, Nickel Plated Trimmings, Proved Glasses, Two Plumbs, **V Shaped Bottom.**

Size, Inches.....	6	9	12	18	24
Per Dozen	$15.00	18.00	21.00	24.00	27.00

No. 37—Style of 6 and 9 inch.

No. 37—Style of 12, 18 and 24 inch.

No. 37—Nickel Plated, Ground Glasses Eclipse Case Covers, **Flat Bottom.**

Length, Inches	6	9	12	18	24
Per Dozen ..	$24.00	30.00	36.00	42.00	48.00

No. 37G Nickel Plated, Ground Glasses, Eclipse Case Cover, **V Shape Bottom.**

Size, Inches.....	6	9	12	18	24
Per Dozen	$24.00	30.00	36.00	42.00	48.00

One twelfth Dozen in a Box

Cut Shows V Bottom

No. 34—**Eclipse**, Nickel Plated, Ground Glass, Eclipse Case Cover, **Flat Bottom.**

Length, Inches	4
Per Dozen	$15.00

No. 34V—**Eclipse**, Nickel Plated, Ground Glass, Eclipse Case Cover, **V Shape Bottom**, for Leveling Shafting, Etc.

Length, Inches	6	8	10
Per Dozen	$18.00	24.00	30.00

One-twelfth Dozen in a Box

Machinists', Iron, Nickel Plated.

	Per Dozen
No. 38½—Length 4 in.	$5 00
No. 39½—Length 6 in.	6.00

One-half Dozen in a Box

Plumbs and Levels.

Per Dozen

No. 90—**Handy**, Mahogany, Square Top Plate, Brass Lipped Side and Plumb Views, Ground Glasses, Tipped and Polished, Assorted 24 to 30 in. $30.00

One-twelfth Dozen in a Box.

Per Dozen

No. 95—**Handy**, Mahogany, Brass Bound, Square Top Plate, Brass Lipped Side and Plumb Views, Ground Glasses, Polished, Assorted 24 to 30 in. $48.00

Per Dozen

No. 96—**Handy**, Rosewood, Brass Bound, Square Top Plate, Brass Lipped Side Views, Ground Glasses Polished, Assorted 24 to 30 in. $66.00

STANLEY'S DUPLEX ADJUSTABLE.

Per Dozen

No. 25 Mahogany, Square Top Plate, Improved Duplex Side Views, Tipped and Polished, Assorted 24 to 30 in. $24.00

No. 30—Hardwood, Square Top Plate, Improved Duplex Side Views, Tipped and Polished, Assorted 24 to 30 in. 18.00

No. 50 Hardwood, Triple Stock, Square Top Plate, Improved Duplex Side Views, Tipped and Polished, Assorted 24 to 30 in. 24.00

These Levels have the ordinary form of leveling glass, set in the top surface of the stock. For any uses where an observation of the glass, sideways, may be found convenient, an additional leveling glass is set in the side, at the opposite end from the Plumb. Both glasses are protected by Brass Discs, can be seen from either side, and are inserted in the Level with the least possible removal of wood from the stock.

One-half Dozen in a Box.

MACHINISTS' ADJUSTABLE.

No. 98—**Stanley's**, Rosewood, Adjustable, Brass Bound, Brass Lipped Side and Plumb Views, Ground Glasses, Polished.

Length, Inches	12
Per Dozen	$33.00

One-twelfth Dozen in a Box.

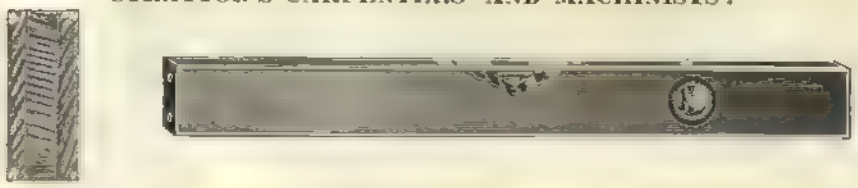
No. 10 **Stratton's**, Rosewood, Adjustable, Brass Bound, Brass Side and Plumb Views, Top and End Plates, Polished, Ground Glasses.

Length, Inches	8	10	12
Each	$2.50	3.00	3.50

One-twelfth Dozen in a Box.

Plumbs and Levels.

STRATTON'S CARPENTERS' AND MACHINISTS'.

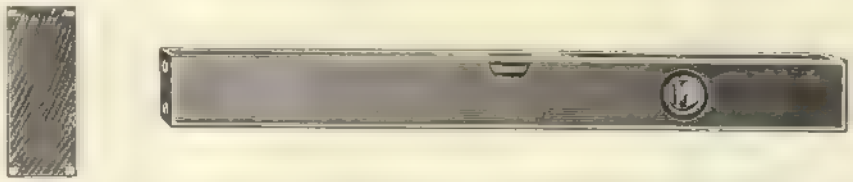


No. 1A—Four Piece Selected Rosewood Around Mahogany Core, Adjustable Brass Lipped Side Views, Square Top Plate, Brass End Plates, Brass Bound, Ground Glasses.

Length, Inches	24	26	28	30
Each	$7.00	7.25	7.50	8.00

No. 1B—Mahogany, Adjustable, Brass Lipped Side Views, Square Top Plate, Brass End Plates, Brass Bound, Ground Glasses.

Length, Inches	24	26	28	30
Each	$5.00	5.25	5 50	5 75



No. 1D—Mahogany, Adjustable Low Cut Side Views, Square Top and End Plates, Brass Bound, Selected Plain Glasses.

Length, Inches	26	28	30
Each	$3.25	3.50	3.75

One-twelfth Dozen in a Box.

MASONS'.

Per Dozen

No. 45 —Stanley's, Adjustable, Adapted Also for Plumb Bob and Line Square Top Plate, Brass Lipped Side Views Two Plumbs, with Proved Glasses, Length 48 in., 1 3/4 in. Stock ... $36.00

No. 45½—Stanley's, Adjustable, Adapted Also for Plumb Bob and Line, Square Top Plate, Brass Lipped Side Views, Two Plumbs, with Proved Glasses, Length 48 in., 1 1/4 in. Stock... ... 32.00

The Two Plumb Glasses are set in separate holes, but each on the right hand side. This will enable the workman to plumb work below where he stands, or above him, without turning the Level Stick end for end. There are also Two Plumb Bob Holes, so that the Plumb Bob can be used from either end of the Level. These improvements will be found a great convenience by the workman.

Per Dozen

No. 35—Handy, Adjustable, 3 3/4 in. Wide, 42 in. Long..... .....$21.00

One-half Dozen in a Box.

Levels.

O. K.

Per Dozen

No. X7—Hardwood, Mahogany Finish, Adjustable, Assorted 10 to 20 in.....$7.50

Plumbs and Levels.

O. K.

No. X5.

Per Dozen

No. X6—Hardwood, Mahogany Finish, Adjustable, Assorted 22 to 28 in.....$12.00

Per Dozen

No. X5—Hardwood, Mahogany Finish, Brass End Plates, Adjustable, Assorted 22 to 28 in. $15.00

No. X3.

Per Dozen

No. X4 Hardwood, Mahogany Finish, Brass Side and Plumb Views, Brass End Plates, Adjustable, Assorted 24 to 30 in. $24.00

Per Dozen

No. X3 Triple Stock, Hardwood, Mahogany Finish, Brass Side and Plumb Views, Brass End Plates, Adjustable, Assorted 24 to 30 in $30.00

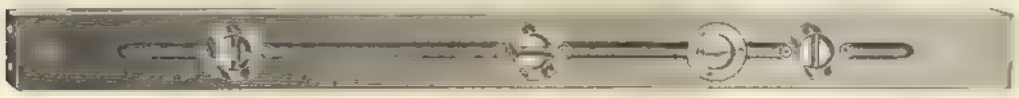
Per Dozen

No. X2 Hardwood, Mahogany Finish, Brass Side and Plumb Views, Three Vials, One Each for Level, Plumb, and for Adjusting to Grades or Inclinations, Brass End Plates, Adjustable, Assorted 28 to 30 in.....$33.00

Per Dozen

No. X1 Triple Stock, Hardwood, Mahogany Finish, Brass Side and Plumb Views, Three Vials, One Each for Level, Plumb and for Adjusting to Grades or Inclinations, Brass End Plates, Adjustable, Assorted 28 and 30 in..$36.00

MASONS', O. K.



Per Dozen

No. X8—Masons', Spruce, Mahogany Finish, Brass Side and Plumb Views, Two Spirit Plumbs and One Spirit Level, Brass End Plates, Adjustable, Length 48 in., 1⅛ in. Stock.....$36.00

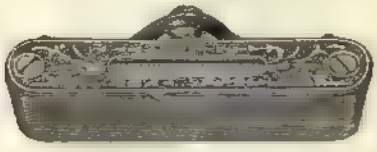
Per Dozen

No. X9—Masons', Spruce, Mahogany Finish, Brass Side and Plumb Views, Two Spirit Plumbs, One Spirit Level, with Plumb Bob and Line Enclosed in Stock, Opening for Plumb Bob, Enclosed with Heavy Transparent Celluloid Plates, Brass End Plates, Adjustable, Length 48 in., 1¼ in. Stock $50.00

One-twelfth Dozen in a Cardboard Box.

The vials in all these levels are provided with a new adjustment. They can easily be placed in any position and securely fastened by the two small screws which connect with a steel nut that is fastened to the stock between the vial ring and a slight pressure with a small screw driver releases or fastens the vial ring. It is metal to metal and is entirely reliable.

Pocket Levels.



	Per Dozen
No. 40—3¼ in., Iron Body and Top Plate, Japanned	$1.56
No. 41—3¼ in., Iron Body, Japanned, Brass Top Plate	1.68

One Dozen in a Box.

No. 31—Hexagon, Nickel Plated, Proved Glass.

Length, Inches	2	3	4
Per Dozen	$3.90	5.10	7.20

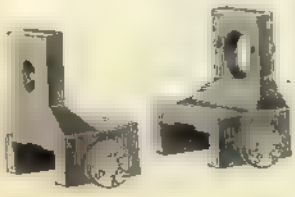
One-half Dozen in a Box

	Per Dozen
No. 46—3 in., Round Ends, Iron Body, Japanned, Brass Top Plate	$2 28

One Dozen in a Box.

Level Sights.

	Per Dozen Pairs
No. 1—Improved, Gun Metal Finish, for Wood Levels	$9.00



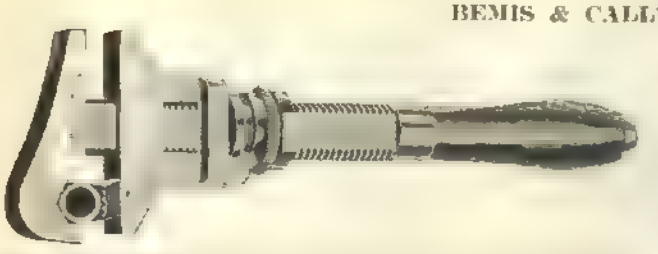
	Per Dozen Pairs
No. 2—Improved, Gun Metal Finish, for Iron Levels	$9.00

By the use of these ingenious devices which can be attached to any Level the owner has a convenient and separate means for leveling from one given point to another at a long distance away. When not in use the Level Sights are easily detached and can be packed away in a small space for future use.

One-twelfth Dozen Pairs in a Box.

Pipe Wrenches.

BEMIS & CALL'S COMBINATION.



No. 43—Forged Steel, Bright, Short Nut, Hardwood Handle.

Length, Inches	10	12	15
Holds Pipe, Inches	⅛ to 1	⅛ to 1 ⅞	⅛ to 2¼
Per Dozen	$23.00	26.00	37.00
Extra Dogs, for No. 43			$4.50

One-half Dozen in a Box

No. 45—Forged Steel, Bright, Long Nut, Hardwood Handle.

Length, Inches	10	12	15
Holds Pipe, Inches	¼ to 1	½ to 1 ¾	½ to 2¼
Per Dozen	$25.25	28.50	40.50
Extra Dogs, for No. 45			$4.50

One-half Dozen in a Box

TRIMO.

Extra Jaws

Drop Forged Steel, Japanned, Polished Head and Jaws. All Parts Interchangeable.

Length, Open, In...	6	8	10	14	18	24	36	48
Takes Pipe, Inches.	⅛ to ½	⅛ to ¾	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½	¼ to 3½	1 to 5
Each	$2.00	2.00	2.25	3.00	4.00	6.00	12.00	18.00

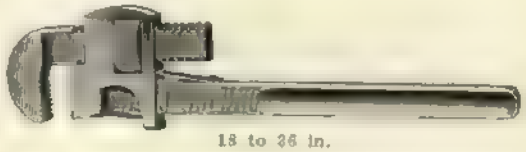
6 to 24 in., One-half Dozen; 36 and 48 in., One-sixth Dozen in a Box

EXTRAS FOR TRIMO PIPE WRENCHES.

For Wrenches, Inches		6	8	10	14	18	24	36	48
Movable Jaws	Each,	$0.67	.67	.75	1.00	1.33	2.00	4.00	6.00
Insert Jaws	Each,	.25	.25	.33	.50	.55	.65	1.00	1.25
Frames	Each,	.25	.25	.33	.45	.55	.65	.75	1.00
Nuts	Each,	.20	.20	.27	.35	.42	.50	.65	.80

STILLSON'S.

6 to 14 in.



18 to 36 in.

Length, Open, In...	6	8	10	14	18	24	36	48
Takes Pipe, Inches	⅛ to ⅝	⅛ to ⅞	⅛ to 1	⅛ to 1 ⅛	¼ to 2	¼ to 2 ½	¼ to 3 ½	1 to 5
Each	$2.00	2.00	2.25	3.00	4.00	6.00	12.00	18.00

6 to 24 in., One-half Dozen; 36 and 48 in., One-sixth Dozen in a Box

EXTRA JAWS FOR STILLSON'S WRENCHES.

For Wrench, Inches	6	8	10	14	18	24	36	48
Each	$0.75	.75	.80	1.00	1.33	2.10	4.75	7.25

EXTRA FRAMES FOR STILLSON'S WRENCHES.

For Wrench, In.	6	8	10	14	18	24	36	48
Each	$0.35	.35	.40	.50	.55	.80	1.30	1.50

EXTRA NUTS FOR STILLSON'S WRENCHES.

For Wrench In.	6	8	10	14	18	24	36	48
Each	$0.11	.11	.14	.17	.22	.35	.55	.95

Wrenches.

GENERAL PURPOSE.

Drop Forged, Case Hardened, Milled Openings, Semi-Finished.

Nos.	500	501	502	503	504
Length, Inches	6¼	7⅛	8¼	9¼	10⅜
Opening, Inches	⅜ & ½	½ & ⅝	⅝ & ¾	¾ & ⅞	⅞ & 1
For Manufacturers' Standard Nuts, Inches	⅜ & ½	½ & ⅝	⅝ & ¾	¾ & ⅞	⅞ & 1
Thickness of Head, Inches	7/32	¼	9/32	⅜	7/16
Each	$0.20	.25	.33	.42	.51

Nos. 500 to 502, One Dozen, Nos. 504 and 505, One-half Dozen in a Pasteboard Box

Per Set

No. 500P—Semi-Finished General Purpose Wrenches, in Sets, One Each, Nos. 500, 501, 502, 503 and 504 Wrenches, In Pasteboard Box..... $1.71

Drop Forged, Milled Openings, Unfinished

Nos.	1000	1010	1020	1030	1040
Length, Inches	6¼	7⅛	8¼	9¼	10⅜
Opening, Inches	⅜ & ½	½ & ⅝	⅝ & ¾	¾ & ⅞	⅞ & 1
For Manufacturers' Standard Nuts, Inches	⅜ & ½	½ & ⅝	⅝ & ¾	¾ & ⅞	1 & 1½
Thickness of Head, Inches	7/32	¼	9/32	⅜	7/16
Each	$0.13	.17	.22	.28	.34

Nos. 1000 to 1020, One Dozen, Nos. 1030 and 1040, One and 2 Dozen in a Pasteboard Box

Per Set

No. 1000P—Unfinished General Purpose Wrenches in Sets, One Each, Nos. 1000, 1010, 1020, 1030 and 1040 Wrenches, in Pasteboard Box..... $1.14

General Purpose Wrenches.

IN CANVAS BAG.

Per Set

No. 500C—Semi-Finished Drop Forged, Case Hardened Milled Openings, in Sets, One Each, Nos 500, 501, 502, 503 and 504 Wrenches, Packed in Duck Bag $2.45

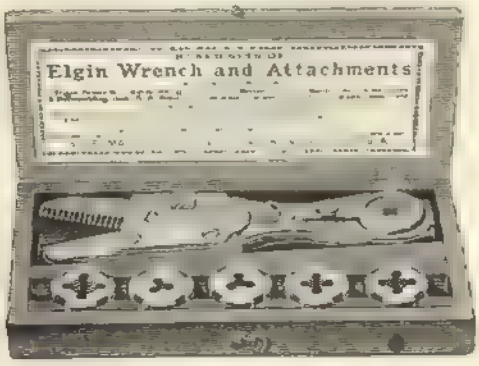
No. 1000C—Unfinished Drop Forged, Milled Openings, in Sets, One Each, Nos 1000, 1010, 1020, 1030 and 1040 Wrenches, Packed in Duck Bag... ..... 1.85

For Use around Automobiles, Carriages, Wagons and Farm Implements, also for General Purposes where light and strong wrenches are desired.

One Set in a Bag

Wrenches.

NEW ELGIN ADJUSTABLE, IN SETS.



Wrought Steel, Hardened Jaws, Polished and Nickel Plated.

Per Set

No. 102—Elgin Wrench Set, Containing One No. 100 Elgin Wrench, One Re-threading Attachment having a ¼ in. Square Insert for Taps, and Five Re-threading Dies of U. S. Standard Bolt Thread, One Each ¼, ⅜, ⅝, ¾ and 1 in., in Strong Ebony Finished Wood Box. . . . $3 75

One Set in a Box

NEW ELGIN ADJUSTABLE.

Ratchet Threading Attachment

Wrought Steel, Hardened Jaws, Polished and Nickel Plated.

Per Dozen

No. 100—7 in., for ⅛ to ⅜ in. Pipe and ¼ to ¾ in. Round Iron, without Threading Attachment . . $12 00

No. 101—Same as No. 100, with Interchangeable Ratchet Threading Attachment, and One Die, Any Size, ¼, ⅛, ⅜, ⅞ or ½ in. 24.00

When Ordering No. 101, State which Size Die is Wanted

EXTRA DIES.

Size, Inches .	¼	5/16	⅜	7/16	½
Per Dozen . .	$6 00	6 00	6 00	6 00	6 00

Made to Fit Workers's in Wrench will fit whether pipe or nut wrench. The fitting is the best style interchangeable die in the market. It is a Ratcheting Attachment and will retain its fitting qualities and make a good job of cutting threads and will not drop or fall from its position to a vise

EXTRA JAWS.

Per Dozen

No. 10—Hardened Steel, Makes the Old Wrench as Good as New. $3 00

One-half Dozen in a Box.

Ratchet Wrenches.

WIZARD.

Per Dozen

No. 165—8 in. Long, Blued Finish, Drop Forged Adjustable Hardened Jaws, Open 1 in. Extreme, Right or Left Action $24.00

Especially adapted for use in close quarters where no other wrench can be used.

Wrenches.

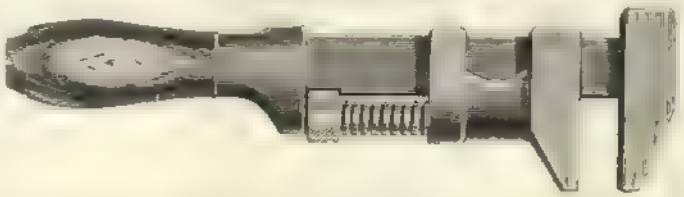
IMPROVED ACME.

Solid Steel, Polished Jaws.

Length, Inches	6	8	10	12	15
Jaws Open, Inches	1⅛	1½	2⅛	2⅝	3½
Per Dozen	$10.00	12.00	14.00	17.00	24.00

One-half Dozen in a Box

AGRICULTURAL.

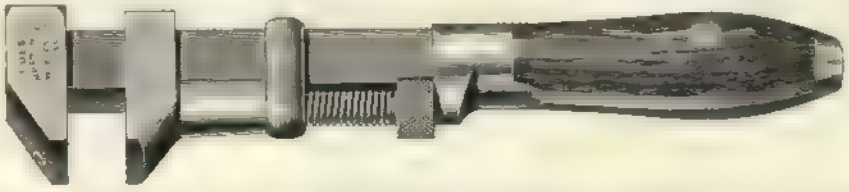


Wrought Iron Bar, Head and Screw, Black Finished, Oil Finished Hardwood Handle.

Length, Inches	6	8	10	12	15
Jaws Open, Inches	⅞	1¼	1¾	2⅛	2⅝
Per Dozen	$10.00	12.00	14.00	17.00	24.00

One-half Dozen in a Box

COES' GENUINE IMPROVED, KNIFE HANDLE.



Steel Bar, Head and Screw, Case Hardened, Hardwood Handle, Black Finish.

Length, Inches	6	8	10	12	15	18	21
Jaws Open, Inches	⅞	1¼	1¾	2⅛	2⅝	3	4⅛
Per Dozen	$9.00	10.00	12.00	14.00	24.00	30.00	36.00

6 to 12 in., One-half Dozen; 15 to 18 in., One-third Dozen; 21 in., One-twelfth Dozen in a Package.

COES' GENUINE, STEEL HANDLE.

Steel Bar, Head and Ball Bearing Screw, Case Hardened, Oil Finished.

Length, Inches	10	12	15	18	21
Jaws Open, Inches	1¾	2⅛	2⅝	3	4⅛
Per Dozen	$12.00	14.00	24.00	30.00	36.00

Suitable for use in steam, hot or cold water, mud or for dry heats, for service where the wood handle won't do. The 12, 15, 18 and 21 in. are made with ball bearing screw, which prevents it from catching dirt or rust

10 and 12 in., One-half Dozen; 15 to 21 in., One-third Dozen in a Package.

Wrenches.

ADJUSTABLE ENGINEERS'.

No. 350—Crescent, Drop Forged Steel, Hardened, Oil Finished, Polished Jaws.

Length, Inches	6	8	10	12
Jaws Open, Inches	¾	1⅛	1⅛	1⅝
Per Dozen	$9.60	12.00	15.00	19.20

One-twelfth Dozen in a Box

ADJUSTABLE "S."

No. 230—Drop Forged Steel, Sliding Jaw, Tempered, Jaw Ends Bright Finish, Japanned Handle

Length, Inches	6	8	10	12	14
Jaws Open, Inches	¾	1	1⅜	1⅝	2
Per Dozen	$7.20	9.00	12.00	15.00	21.00

ADJUSTABLE "S" PIPE.

No. 250—Drop Forged Steel Sliding Pipe Jaw Tempered, Jaw Ends Bright Finish, Japanned Handle.

Length, Inches	6	8	10
Takes Pipe, Inches	⅛ to ½	⅛ to ¾	⅛ to 1
Per Dozen	$7.70	9.50	12.50

One-half Dozen in a Box

ADJUSTABLE "S."

No. 600—Drop Forged Steel, Tempered, Oil Finished, Polished Jaws

Length, Inches	6	8	10	12
Jaws Open, Inches	¾	1	1⅜	1⅝
Per Dozen	$9.00	12.00	15.00	18.00

One-half Dozen in a Box

Combination "S" Wrenches.

Drop Forged, 50 Point Carbon Steel, Tempered, Oil Finished, Polished Jaws.

No. 200—8½ in Long, Jaws will Take ¼ to ⅜ in. Pipe, Threads ⅛, ¼, ⅜ and ½ in Bolts . Per Dozen $8.00

A Nut Wrench, Pipe Wrench and Thread Cutter. It will serve any purpose a wrench will and three things more, viz.: Cut threads on three size bolts, which may be found very handy when putting up steel framed farm machinery, etc. The Dies will also restore threads that are battered.

One-half Dozen in a Box.

Wrenches.

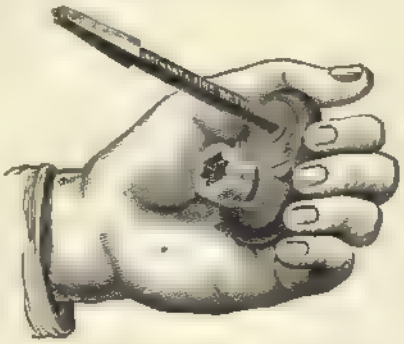
COCHRAN PIPE.

Crucible Tool Steel, Polished Head and Jaws

	10	14	18	24
Length, Inches				
Takes Pipe, Inches	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½
Each	$2 25	3 00	4 00	6 00
Extra Hook Jaws	.75	1 00	1 33	2 00
Extra Inserted Jaws	.33	50	.55	.72
Extra Rockers	.28	40	.50	.65
Extra Nuts	.28	.35	.42	.55
Extra Springs	.14	17	.21	.25

Rim Wrenches.

GREEN RIVER.



	Each
No. 1—For Nuts on Tire Bolts Inside the Felloe, Adapted for Use on ⅜ and ½ in. Nuts	$1 50

Nut Wrenches.

LIGHTNING.

For Square and Hexagon Nuts.

	Per Set
No. 5—In Sets of 5, for ¼, ⅜, ⅜, ⅞ and ½ in. Nuts	$1.25
No. 5—Separate Sizes	$0.25

CHAMBERLIN'S.

For Square Nuts.

	Per Set
No. 10—In Sets of 5, for ⅜, ½, ⅝, ¾ and ⅞ in. Nuts	$0 75
No. 10—Separate Sizes	$0 15

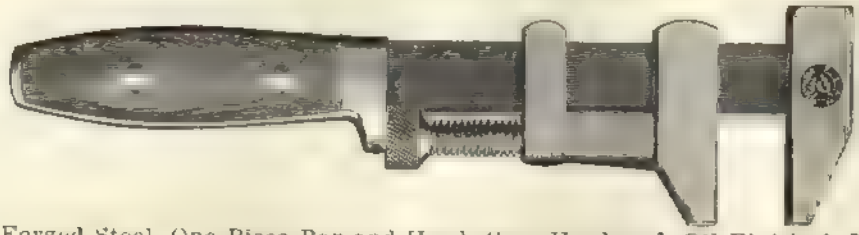
Pipe Tongs.

BROWN'S ADJUSTABLE.

Nos.	1	1½	2	3	4	5
Length, Inches	14	16	20	24	36	42
For Pipe, Inches	⅛ to ¾	⅜ to 1	½ to 1¼	1 to 2	1½ to 3	2½ to 4
Weight Each, Lbs	3½	5	7	13	23	32
Each	$1.30	1.65	2.00	3.00	6.00	11 00

Wrenches.

P. S. & W. CO.'S KNIFE HANDLE.



No. 1807—Drop Forged Steel, One Piece Bar and Head, Case Hardened, Oil Finished, Hardwood Handle.

Length, Inches	6	8	10	12	15	18	21
Jaws Open, Inches	⅞	1¼	1¾	2⅛	2⅝	3	4⅛
Per Dozen	$9.00	10.00	12.00	14.00	24.00	30.00	36.00

6 to 12 in., One-half Dozen; 15 and 18 in., One-third Dozen; 21 in., One-twelfth Dozen in a Box.

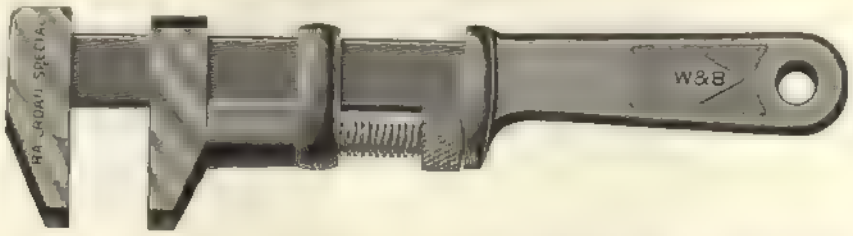
PERFECT HANDLE.

Drop Forged Steel, One Piece Bar and Head, Natural Finish Waterproof Wood Handle.

Length, Inches	6	8	10	12	15	18	21
Jaws Open, Inches	1 1/16	1¼	1⅞	2 1/16	2¾	3⅛	4
Per Dozen	$9.00	10.00	12.00	14.00	24.00	30.00	36.00

6 to 12 in., One-half Dozen; 15 in., One-quarter Dozen, 18 in., One-sixth Dozen, 21 in., One-twelfth Dozen in a Box

RAILROAD SPECIAL.

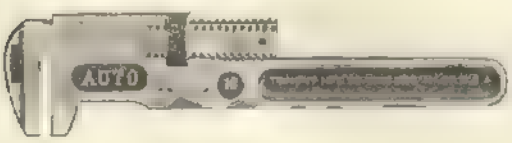


One Piece Drop Forged Steel Head and Bar, Case Hardened and Polished, Indestructible Iron Handle.

Length, Inches	6	8	10	12	15	18	21
Jaws Open, Inches	⅞	1¼	1¾	2⅛	2⅝	3	4⅛
Per Dozen	$9.00	10.00	12.00	14.00	24.00	30.00	36.00

6 to 15 in., One-half Dozen, 18 in., One-third Dozen; 21 in., One-twelfth Dozen in a Package

TRIMO AUTO.



Per Dozen

No. 26—10 in. Long, All Drop Forged Steel, Case Hardened and Polished.....$14.50

W. & B. AUTO.

Per Dozen

No. 25—10¾ in. Over All One Piece Drop Forged Head and Bar, Case Hardened and Polished, Indestructible Iron Handle.....$15.00

Has thin head and jaws. Especially adapted for automobile and other work where a thin, strong wrench is required.

One-half Dozen in a Box

Wrench Attachments.

YANKEE.

Cast Steel, Polished, with Thumb Screw.

	Per Dozen Pairs
No. 3—For 6 to 15 in. Wrenches, Holds Pipe ⅛ to 2 in., One-half Dozen on a Card.	$4.00
No. 1—For 6 to 21 in. Wrenches, Holds Pipe ⅛ to 4 in., One Dozen in a Box.	6.00

Will fit any size Monkey Wrench. Makes a Monkey Wrench a Pipe Wrench

Wrenches.

ALLIGATOR.

Drop Forged Steel, Oil Finished.

No.	1
Length, Inches	5¾
Holds Pipe, Inches	⅛ to ⅜
Holds Round Iron, Inches	¼ to ¾
Per Dozen	$4.00

One Dozen in a Box

Drop Forged Steel, Polished Ribs, Oil Finished.

Nos.	10	13½
Length, Inches	5¾	7½
Holds Pipe, Inches	⅛ to ⅜	⅛ to ¾
Holds Round Iron, Inches	¼ to ¾	¾ to 1⅛
Per Dozen	$4.50	8.00

One Dozen in a Box

Drop Forged Steel, Polished Ribs, Oil Finished, Grooved Handle.

No.	2
Length, Inches	10
Holds Pipe, Inches	⅜ to ¾
Holds Round Iron, Inches	½ to 1
Per Dozen	$12.00

One Dozen in a Box.

Drop Forged Steel, Polished Ribs, Oil Finished, Solid Handle.

Nos.	3	4
Length, Inches	16	22
Holds Pipe, Inches	½ to 1¼	1¼ to 2
Holds Round Iron, Inches	¾ to 1⅜	1½ to 2½
Per Dozen	$24.00	36.00

Loose

ALWAYS READY.

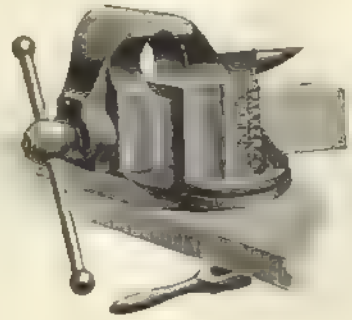
Forged Steel, Tempered Polished and Nickel Plated.

Nos.	1	2	3
Length, Inches	5	7	11
Holds Square or Round Iron, Inches	¼ to ¾	¼ to 1¼	¾ to 1⅜
Per Dozen	$5.00	6.75	16.00

One-half Dozen in a Box.

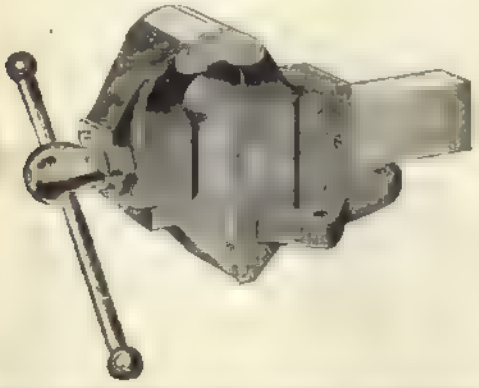
Vises.

PARKER'S.



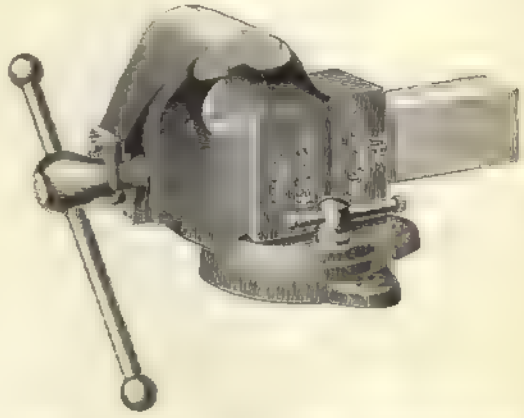
Swivel Bottom, with Anvil.

		Each
No. P19—2	in. Jaws, Weight Each 8 Lbs.	$4.00
No. P20—2¼	in. Jaws, Weight Each 8½ Lbs	5 00



Stationary Bottom, with Patent Strengthener

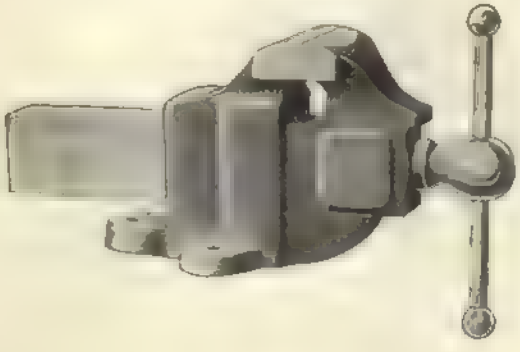
Nos.	3/0X	1X	2X	3X
Size of Jaws, Inches	3¼	3¾	4¼	4¾
Jaws Open, Inches	4¼	5½	6½	8¼
Weight Each, Lbs	29	45	58	73
Each	$6 25	7.00	9 00	11.75



Swivel Bottom, with Patent Strengthener.

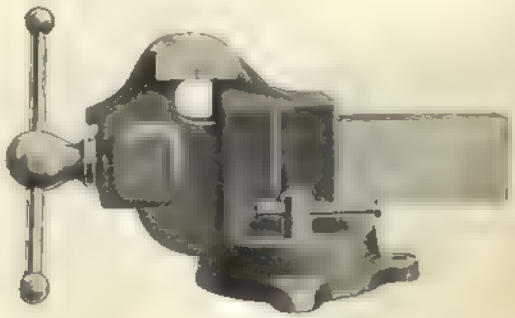
Nos.	21X	22X	23X
Size of Jaws, Inches	3¼	3¾	4¼
Jaws Open, Inches	4¼	5½	6½
Weight Each, Lbs	33	52	69
Each	$7.00	8.75	11.00

STANDARD.



Stationary Bottom.

Nos.	500	510	520	530	540	550	560
Size of Jaws, In.	3½	4	4½	5	5½	6	6½
Jaws Open, In.	4	5½	6	7	8	9	10
Wt. Each, Lbs.	22	28	42	52	72	100	135
Each	$6.00	7.00	8.50	10.00	13.00	18.50	25.00



Swivel Bottom.

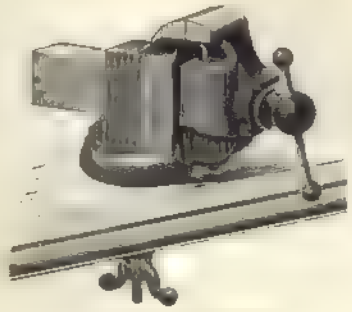
Nos.	900	910	920	930	940	950	960
Size of Jaws, In.	3½	4	4½	5	5½	6	6½
Jaws Open, In.	4	5½	6	7	8	9	10
Wt. Each, Lbs.	28	36	52	64	85	115	155
Each	$7.50	$9	10.50	12.50	16.00	22 00	30 00

Vises.

SIMPSON'S.

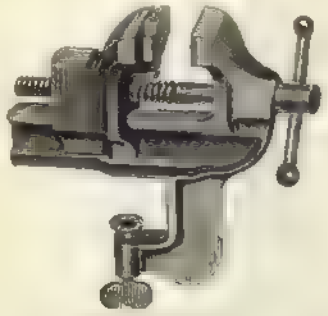
Clamp Bottom.

Nos.	S0	S2
Size of Jaws, Inches	1⅛	2⅛
Jaws Open, Inches	1¼	2
Weight Each, Lbs	1½	5¾
Each	$1.25	2.75



Swivel Bottom.

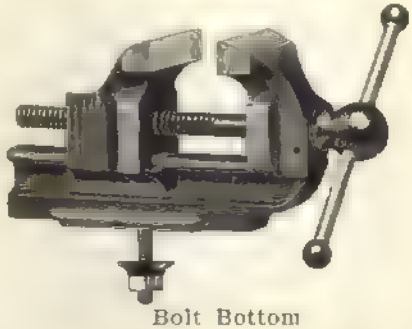
No.	S10
Size of Jaws, Inches	2⅛
Jaws Open, Inches	2
Weight Each, Lbs	6¼
Each	$3.50



Clamp Bottom.

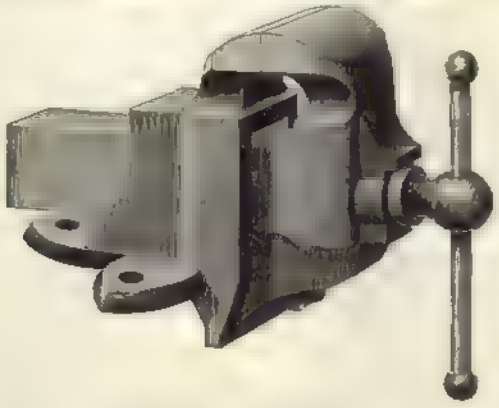
Nos.	S60	S62
Size of Jaws Inches	1½	2
Jaws Open, Inches	1¾	2¼
Weight Each, Lbs	1¾	3¼
Each	$0.50	1.00

No 62 has Steel Swivel Jaw Attachment as shown in cut



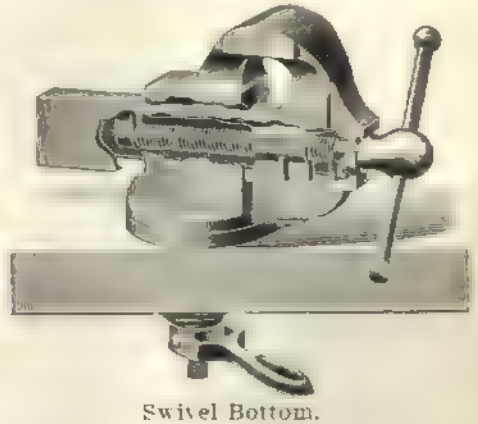
Bolt Bottom

Nos.	S70	S71
Size of Jaws, Inches	3½	4
Jaws Open, Inches	4	5
Weight Each, Lbs	12	22
Each	$2.25	3.50



Stationary Bottom.

Nos.	S29	S30	S31	S32	S33
Size of Jaws, In	3	3½	4	4½	5
Jaws Open, Inches	3¼	4	5	5¾	6½
Weight Each, Lbs.	15½	26	37	49	64
Each	$5.50	7.00	8.50	10.00	13.00



Swivel Bottom.

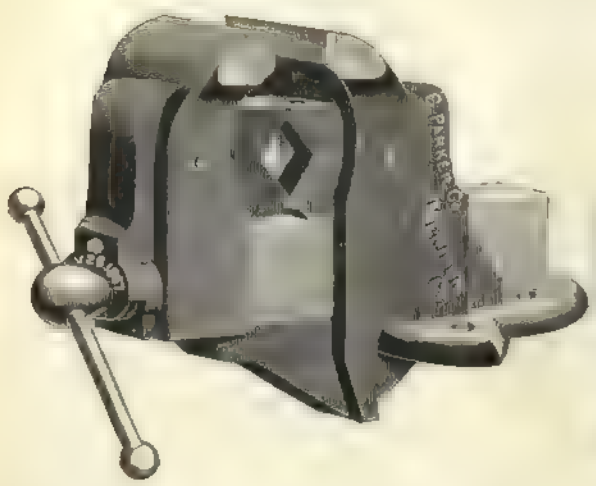
Nos.	S11	S12	S13
Size of Jaws, Inches	2½	3	3½
Jaws Open, Inches	2¾	3¼	4
Weight Each, Lbs.	9½	17½	28
Each	$5.00	7.00	8.75

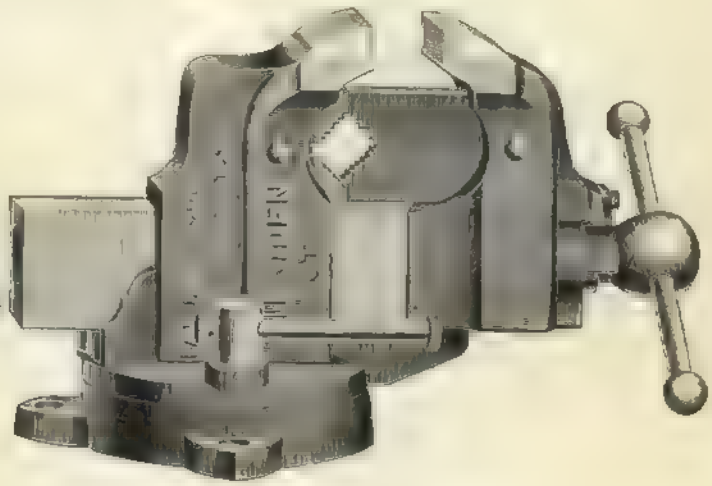
Nos. S11 and S33 Vises are operated in the same manner as an ordinary Screw Vise, or they can be instantly opened or closed the full length by a single movement of the hand without the use of the Screw, the Screw being used merely to give the grip after adjusting the Jaws to the work, thus combining a quick adjustment with all the advantages of the best Screw Vise.

By slightly raising the front jaw, the Screw and Nut are disengaged, the Jaw can be moved in or out as may be required to adjust it to its work and on removing the hand it instantly drops into place, the screw and nut again becoming engaged and a single turn of the screw gives the required grip.

Vises.

PARKER'S COMBINATION PIPE.





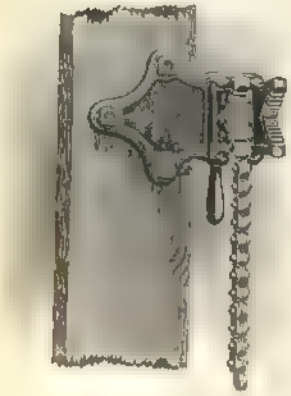
Stationary Bottom, Round and Pipers Jaws, Renewable Milled Steel Faces, Polished.

Nos.	88½	89½
Size of Jaws, Inches	4¾	5⅜
Holds Pipe up to, Inches	4	6
Weight Each, Lbs	94	141
Each	$28.00	35.00

Swivel Bottom, Round and Pipers' Jaws, Renewable Milled Steel Faces, Polished.

Nos.	87X	88X
Size of Jaws, Inches	3⅝	4⅛
Holds Pipe up to, Inches	2	3
Weight Each, Lbs	41	59
Each	$16.00	20.00

VULCAN CHAIN PIPE.



Cut Showing Vise Applied to a Pipe

Cut Showing Vise Applied to a Bench

Wrought Steel, Drop Forged Saw Tempered Jaws, Hand Made Vulcan Chain Pipe Wrench Chains, All Parts are Interchangeable and Warranted.

	Each
No. V2—Holds Pipe ⅛ to 4 in., Size when Folded 6x8x8 in., Weight Each 10 Lbs., Can be Used on a Post as Well as on a Bench	$5.00

The action of this Vise is more rapid than we can tell. The [illegible] filing the teeth.

MARK KIT PIPE.

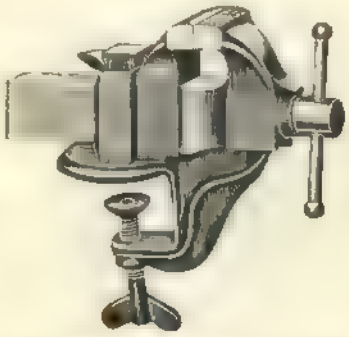
Vise Without Attachment.

Vise With Attachment.

Malleable Iron and Steel.

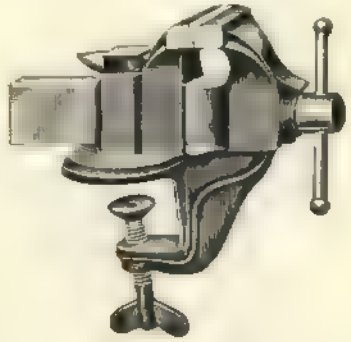
	Each
No. MK1—Capacity ⅛ to 2 in., Complete with Removable Attachment, Weight Each 7½ Lbs.	$2.50
No. MK2—Capacity ¼ to 2 in., without Attachment, Weight Each 6 Lbs.	2.00

Jersey Vises.



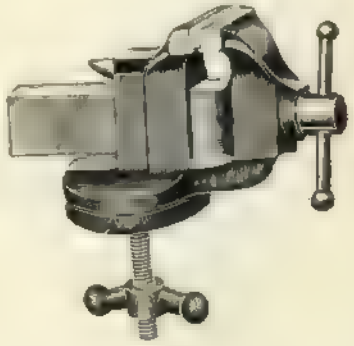
Clamp Bottom, Plain Iron Jaws

Nos.	J40	J42	J44	J46	J48	J52
Size of Jaw, Inches	1½	1¾	2	2¼	2½	3
Weight Each, Lbs	3	3¼	3½	4	5	8¾
Each	$0.75	.95	1.15	1.50	1.75	2.40



Clamp Bottom, Steel Face Jaws.

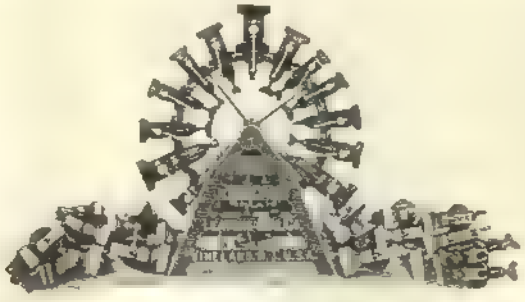
Nos.	J41	J43	J45	J47	J49	53
Size of Jaw, In.	1½	1¾	2	2¼	2½	3
Weight Each, Lbs.	3	3¼	3½	4	5	8¾
Each	$1.00	1.25	1.50	1.75	2.10	2.85



Swivel Base, Steel Face Jaws

Nos.	J56	J57	J58	J59	J61
Size of Jaw, Inches	1¾	2	2¼	2½	3
Weight Each, Lbs.	3	3½	4½	5½	9½
Each	$1.25	1.50	1.90	2.35	3.15

Vise Assortments with New and Novel Display Stands.



Per Assortment

No. J10—Assortment of 18 Vises, Contains 3 Each Nos. 40, 42 and 44, 2 Each Nos. 46 and 48, and 1 Each Nos. 47, 49, 52, 56 and 58, with Display Stand $26.25

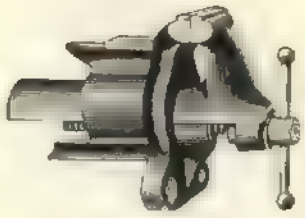
No. J12—Assortment of 24 Vises, Contains 4 Each Nos. 40 and 42, 3 Each Nos. 44, 2 Each Nos. 46, 47 and 48, 1 Each Nos. 43, 45, 49, 52, 53, 58 and 61, with Display Stand 36.70

No. J14—Assortment of 36 Vises, Contains 6 Each Nos. 40 and 42, 3 Each Nos. 44 and 46, 2 Each Nos. 41, 43, 47, 48 and 52, 1 Each Nos. 45, 49, 53, 56, 57, 58, 59 and 61, with Display Stand 50.80

The above Assortments of Styles and Sizes [illegible]

Vises.

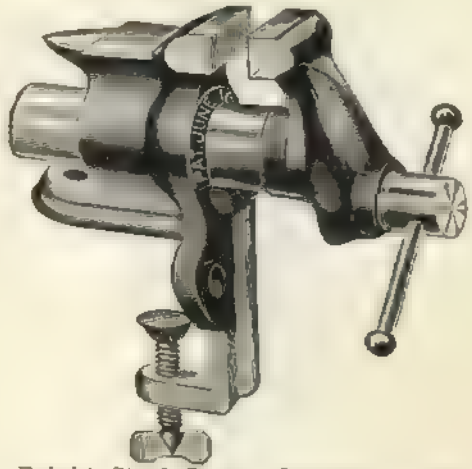
PHOENIX ANVIL.



Bright Steel Screw, Japanned Body.

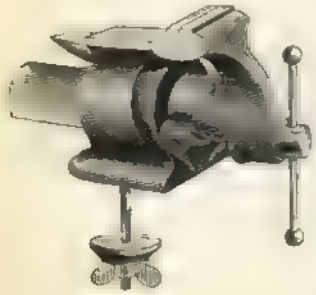
	Per Dozen
No. P1½—1½ in Jaws, with Anvil, Weight Each 8½ Oz.	$ 2.50
No. P2¼—1¾ in., Jaws, with Anvil, Weight Each 2½ Lbs.	5.50
No. P4 —2½ in. Chilled Jaws with Anvil, Weight Each 9 Lbs.	13.50

PHOENIX CLAMP.



Bright Steel Screw, Japanned Body.

	Per Dozen
No. P1¾—1¼ in. Jaws, with Anvil, Weight Each 10 Oz.	$ 3.00
No. P2¾—1¾ in. Jaws, with Anvil, Weight Each 2¾ Lbs.	6.50
No. P4½—2 in. Chilled Jaws, with Anvil, Weight Each 9½ Lbs.	16.00

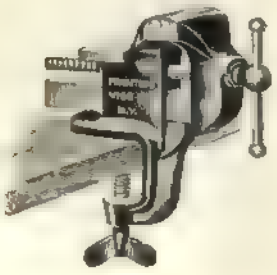


PHOENIX SWIVEL BASE.

Bright Steel Screw, Japanned Body.

	Per Dozen
No. P10—3 in. Chilled Jaws, with Anvil, Weight Each 11 Lbs.	$21.00

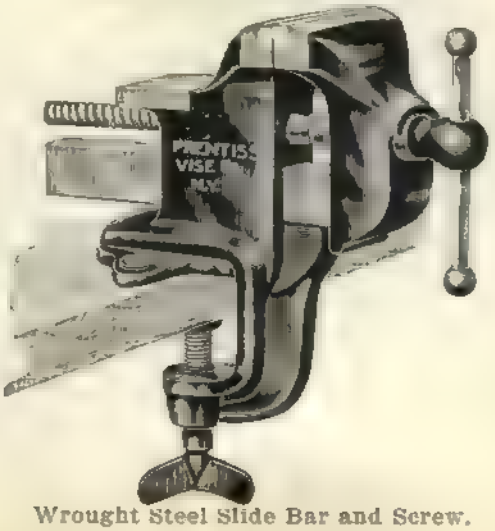
SHEPARD TABLE CLAMP.



Wrought Steel Slide Bar and Screw

	Each
No. 152—1½ in. Hardened and Checked Jaws, Polished Anvil, Weight Each 1½ Lbs.	$0.30
No. 154—2 in. Hardened and Checked Jaws Polished Anvil, Weight Each 3 Lbs.	.75

SHEPARD LARGE CLAMP.



Wrought Steel Slide Bar and Screw.

	Each
No. 156 2¼ in Hardened and Checked Jaws Polished Anvil, Weight Each 9 Lbs.	$1.60

Vises.

ABERNATHY RAPID ACTING WOOD WORKER VISES.

No. 30

No. 20D

Tip Top Clutch Vises, with ⅞ in. Round Steel Slides.

Standard Cabinet and Patternmaker Size.

	Each
No. 30 —10 in Jaws, 4 in. Deep Opens 12 in., Weight Each 31 Lbs	$6.00
No. 30D —10 in. Jaws, 4 in. Deep, Opens 12 in., with Adjustable Dog, Weight Each 31 Lbs	6 50

Manual Training School Special

	Each
No. 20 —10 in Jaws, 3 in. Deep, Opens 9 in., Weight Each 28 Lbs	$5 00
No. 20D—10 in Jaws, 3 in Deep Opens 9 in., with Adjustable Dog Weight Each 28 Lbs.	5.50

ROLLER NUT VISES.

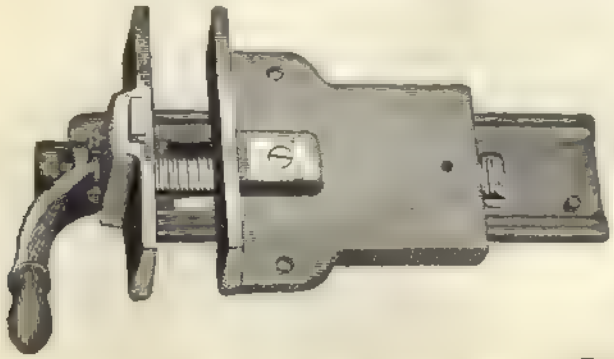
No. 80.

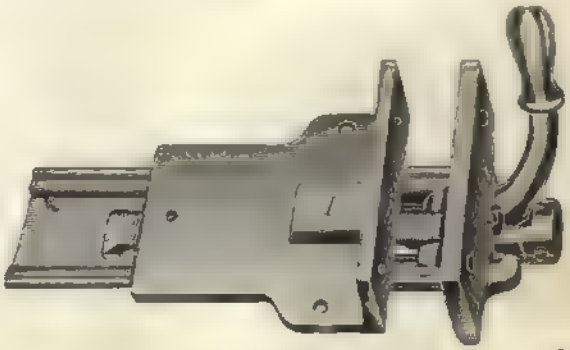
No. 70D

	Each
No. 80 10 in Jaws, 4 in. Deep, Opens 12 in., Weight Each 35 Lbs.	$6.50
No. 80D—10 in. Jaws, 4 in. Deep, Opens 12 in., with Adjustable Dog, Weight Each 35 Lbs.	7.00

	Each
No. 70 —7 in Jaws, 4 in. Deep, Opens 9 in., Weight Each 26 Lbs.	$5.50
No. 70D—7 in Jaws, 4 in. Deep, Opens 9 in., with Adjustable Dogs, Weight Each 26 Lbs.	6.00

SHELDON'S RAPID ACTING WOOD WORKER VISES.



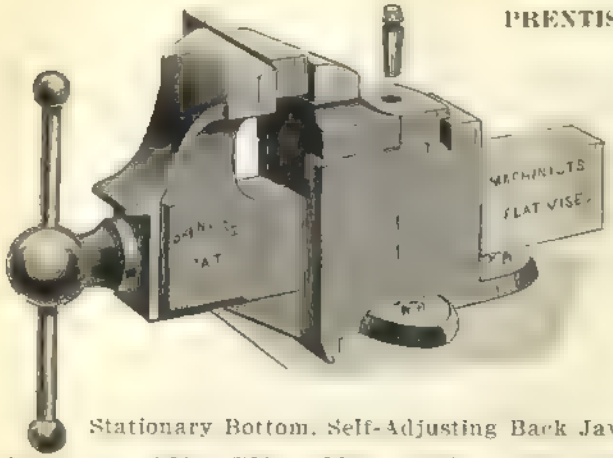


	Each
No. 3—7½ in. Jaws, 3 in. Deep, Opens 8½ in., Weight Each 27 Lbs.	$3.75

	Each
No. 4—7½ in. Jaws, 3 in Deep, Opens 9 in., Weight Each 25 Lbs.	$3.50
No. 5—8 in. Jaws, 3½ in. Deep, Opens 12 in., Weight Each 35 Lbs.	4.50

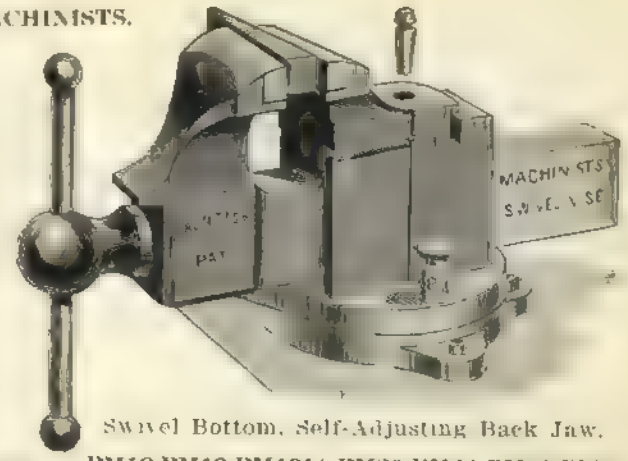
Vises.

PRENTISS' MACHINISTS.



Stationary Bottom, Self-Adjusting Back Jaw

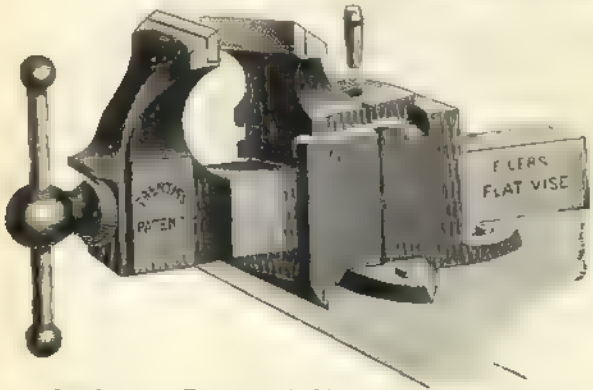
Nos.	PM1	PM2	PM3	PM4	PM5	PM6
Jaws In.	2⅜	3½	4½	5¼	6	7
Open In.	3½	4¾	6	8	9	11
Wt. Ea., lbs	13½	28	54	96	146	184
Each	$5 50	7 00	10.50	17.00	24 00	30.00



Swivel Bottom, Self-Adjusting Back Jaw.

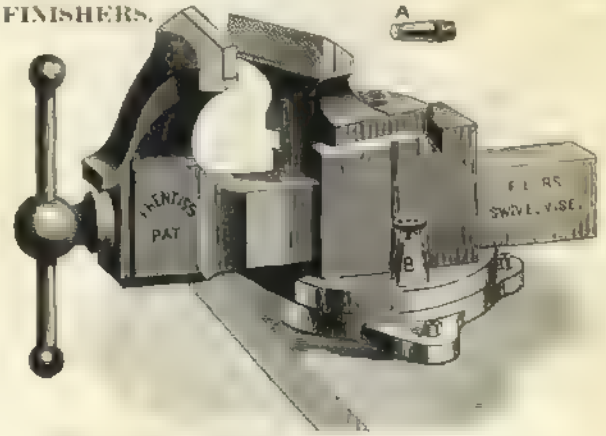
Nos.	PM18	PM19	PM19½	PM20	PM21	PM22	PM23
Jaws In.	2⅜	3½	4	4½	5¼	6	7
Open In.	3½	4¾	5¼	6	8	9	11
Wt. Lbs.	17	32	46	65	109	168	207
Each	$6 75	8.50	10.50	12 50	19 00	27 00	35.00

PRENTISS' FILERS OR FINISHERS.



Stationary Bottom, Self-Adjusting Back Jaw.

No. PF42—4¼ in. Jaws, Opens 5¾ in., Weight Each 42 Lbs. ..... Each $8.00

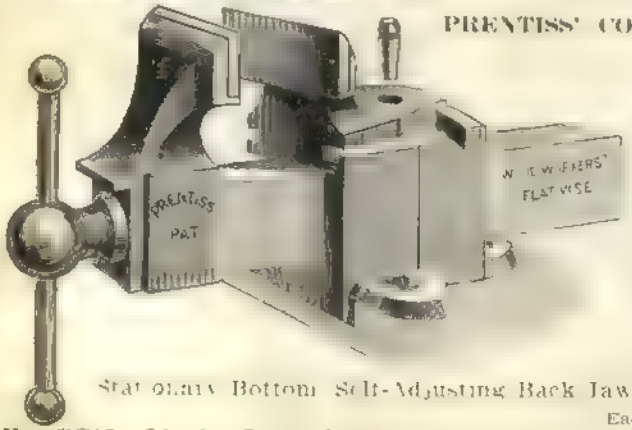


Swivel Bottom, Self-Adjusting Back Jaw.

No. PF47—4¼ in. Jaws, Opens 5½ in., Weight Each 47 Lbs. ..... Each $10.00

[illegible] Filers or Finishers' Vises. The weight and size has been increased, making them the strongest Vises of this style [illegible] offered.

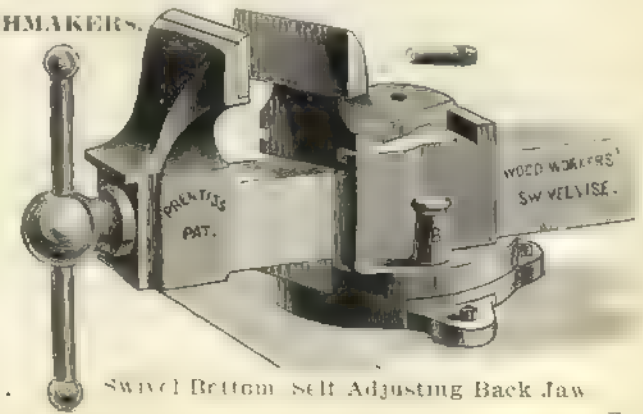
PRENTISS' COACHMAKERS.



Stationary Bottom Self-Adjusting Back Jaw.

No. PC12—3½ in. Jaws, Opens 7 in., Weight Each 30 Lbs. ..... Each $ 8.00

No. PC10—4½ in. Jaws, Opens 9½ in., Weight Each 59 Lbs. ..... Each 11.00



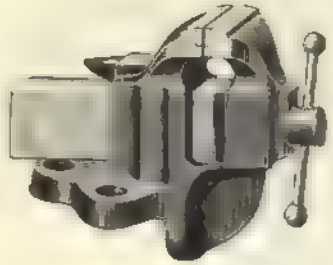
Swivel Bottom Self Adjusting Back Jaw

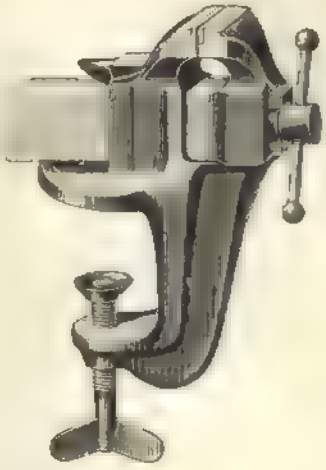
No. PC27—3½ in. Jaws, Opens 7 in., Weight Each 34 Lbs. ..... Each $ 9.50

No. PC26—4½ in. Jaws, Opens 9½ in., Weight Each 67 Lbs ..... Each 13.00

Vises.

JERSEY.

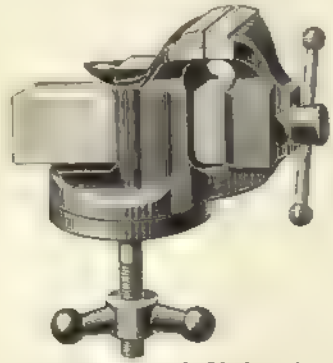




High Grade Jewelers', Tool Makers' and Amateurs' Vises

Flat Bottom, Steel Face Jaws, Blue Enameled	
No.	J22
Size of Jaw, Inches	2
Weight Each, Lbs	4
Each	$1.80

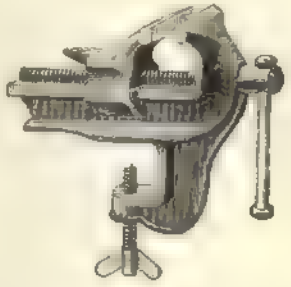
Clamp Bottom, Steel Face Jaws, Blue Enameled.	
No.	J28
Size of Jaw, Inches	2
Weight Each, Lbs	4½
Each	$2.00



High Grade Jewelers', Tool Makers' and Amateurs' Vise, Swivel Bottom, Steel Face Jaws, Blue Enameled.

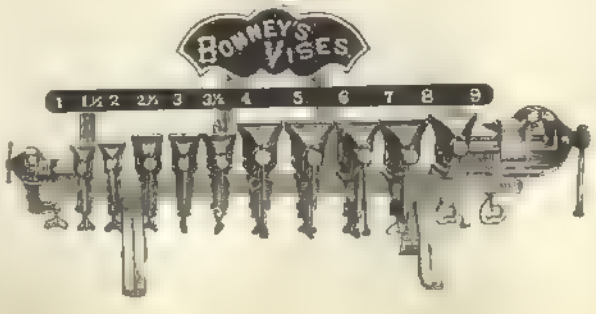
No.	J34
Size of Jaw, Inches	2
Weight Each, Lbs.	4½
Each	$2.50

BONNEY'S.



	Per Dozen
No. B1 —1½ in. Iron Jaws, Solid Steel Screw, Weight Each 1¼ Lbs.	$3.75
No. B1½—1¾ in. Iron Jaws, Solid Steel Screw, Weight Each 1½ Lbs.	5.00
No. B2 —2 in. Iron Jaws, Solid Steel Screw, Weight Each 2 Lbs.	6.50

BONNEY'S.



	Per Set
No. B12—Assortment of 12 Vises, One Each, Nos. 1, 1½, 2, 2½, 3, 3½, 4, 5, 6, 7, 8 and 9, with Sample Stand	$15.00
	Each
No. 28—Sample Stand Only, 28 in. Long	$1.25

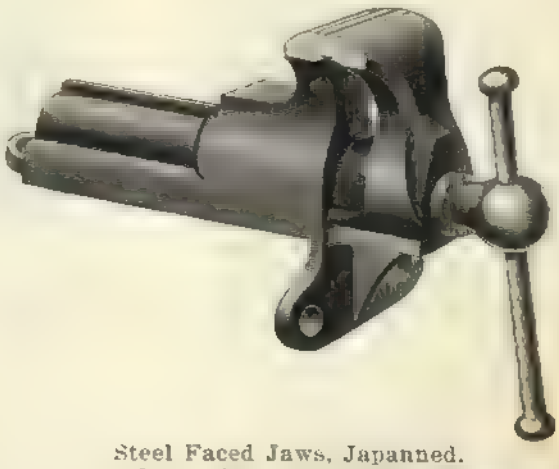
Vises.

BONNEY'S FARMER.

Hardened Steel Jaws, Swivel Base.

Nos.	300	400
Size of Jaws, Inches	3	4
Jaws Open, Inches	8	8
Weight Each, Lbs.	14½	26½
Each	$3.50	6.00

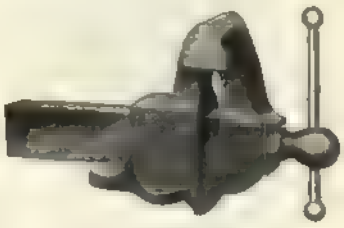
OVAL SLIDE.



Steel Faced Jaws, Japanned.

Nos.	OS00	OS0	OS1	OS2	OS3	OS4	OS5
Size Jaws, In.	2½	2¾	3	3½	4⅛	4½	5
Jaws Open, In.	3	3¾	4	4¾	4¾	5½	6½
Wt Each, Lbs.	5	7½	11½	19	27	37	
Each	$1 55	1.70	2 20	3.00	3 80		6 50

YOST COACH MAKERS'.



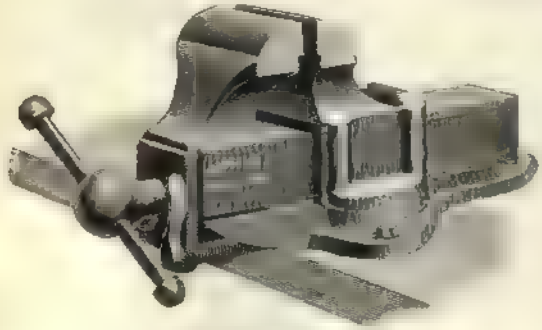
Stationary Bottom.

	Each
No. 502—4½ in. Jaws, Opens 9 in., Weight Each 47 Lbs.	$9.00

MASSEY'S WOODWORKERS'.

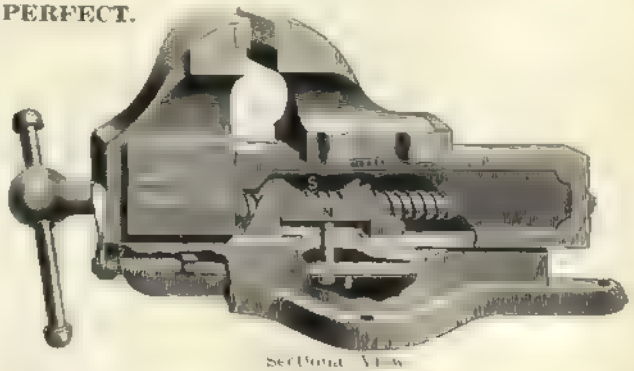
	Each
No. M19—7 in. Jaws, Opens 7 in., Lightning Grip, Weight Each 46 Lbs.	$4.00
No. M17—9 in. Jaws, Opens 12 in., Lightning Grip, Weight Each 50 Lbs.	6.00

MASSEY'S PERFECT.



Stationary Bottom.

Nos.	M0	M1	M2	M3	M4
Size of Jaws, In.	3⅛	4⅛	5	5½	6¼
Jaws Open, In.	4½	5½	6	8	9
Weight Each, Lbs.	32	42	70	109	140
Each	$7.75	9.50	11.50	17.50	23.00



Sectional View

Swivel Bottom.

Nos.	M0S	M1S	M2S	M3S	M4S
Size of Jaws, In.	3⅜	4⅛	5	5½	6¼
Jaws Open, In.	4½	5½	6	8	9
Weight Each, Lbs.	40	50	78	118	150
Each	$8.75	10.50	12.50	19.50	25.00

The Screws and Nuts of these Vises have a bevel under cut Thread, which prevents their being forced apart when Vise is in use. One Movement of the Hand sides the Close Jaw from and against the Work instantly fastening it in the Vise thus saving all the Lost Motion necessary in other Vises to hold various sizes of Metal or Wood between the Jaws.

Parts of "Stanley" and "Bailey" Block and Miscellaneous Planes.

Name of Part	Name of Part	Name of Part
No. 1A Double Cutter (Reverse Bevel)	No. 7 Frog Adjusting Lever	No. 15—Plane Handle Screw
No. 1 Cutter (Plain Iron	No. 8 Frog Adjusting Lever Wheel	No. 16 Plane Bottom
No. 2 Cutter Cap (Plane Iron Cap	No. 9 Lateral Adjusting Lever	No. 17 Plane Handle Top Castings
No. 3 Cutter Cap Screw	No. 10 Seat Screw for Frog	No. 18—Detachable Side
No. 3½ Cutter Bolt and Nut	No. 11 Plane Handle	No. 19 Detachable Side Screws, each
No. 4 Cutter Lever Cap	No. 12 Plane Knob	No. 21—Eccentric Plate and Pin
No. 5 Cutter Lever Cap Screw	No. 13 Plane Handle Bolt and Head	No. 22—Eccentric Plate Knob
No. 6 Cutter Seat (Surface of Frog	No. 14 Plane Knob Bolt and Head	

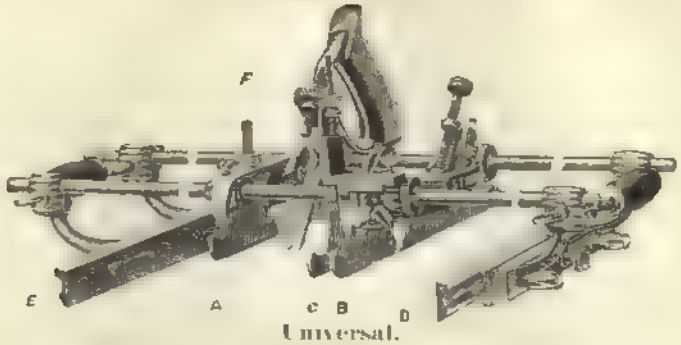
Nos.	9½	9¾	12	12¼	15	15½	16	17	18	19	40	40½	56	57	60	63½	62	65	65½	71	71½	72	72½
4	$0 10	10	25	25	10	10	1	1	20	20	35	0					10		10			10	10
5	05	05			15	15	05	05	15	15		10					05	10	05			05	05
6			60	60											10	10		10	10				
7	05	05			5	5	05	15		5													
8	10	10	10	10	10	10	10			0													
9	10	10			10	10	10	10	10	10													
10																							
11		20	25			5					30	10	20	30			30					30	30
12											10	20		20			10			15	1	15	15
13											30	30		10			30					10	10
14											10	10		10			10			10	10	10	0
15			05	0																			
16	70	70	1 20	1 20	70	70					0	0	1 0	1 0	0	0	0	0	75	00	1 00	0	1 20
21	10	10				10	10	10	10	10					10	10	10	10	10				
22	10	10			10	10	10	10	10	0					10	0	0	0	0			0	

Nos.	74	85	87	97	100	101	102	103	104	105	110	112	120	122	127	129	130	131	132	135	140	220	240
2	$0 15								15	15				1	15	0			15	15			
3	05								05	0				0	15	05			0	0			
3½									05	05				0	05	0			05	0			
4	10	10	0	0	0	0	10	10	10	0	0	20	10	10	10	10	0	0	10	10	0	10	10
5			0																		0	05	05
6		10	10					0	0	0			10	10	0	0		0	20	20	20	10	
7																							
8																		0			0	0	
10		15	0																				
11	0	25	0	0					0	0			0	0	0	0			0	10			10
12		10	0						0	0	0	0	0		0	0	0	10	10	10	10	10	10
13		10	0						10	10		0			10	10			0	0			10
14		10	10						10	10		20											10
15															0	0			0	0			
16	20	1 00	0			10	10		0	0	0	0		40	0	0		0	0	0	0	0	0
17														30	0	0			0	0			
18																					25		
19																					10		

Always Give Plane Number and Part Number, In Ordering Parts.

Adjustable Iron Planes.

STANLEY'S.



Universal.

No. 55—Nickel Plated, with 52 Tools, Bits, Etc . . . . . Each $14.00

One in a Box.

This Plane consists of

A Main Stock (A) with two sets of transverse sliding arms, a depth gauge (F) adjusted by a screw, and a Slitting Cutter with stop.

A Sliding Section (B) with a patent vertically adjustable bottom.

The Auxiliary Center Bottom (C) is to be placed in front of the Cutter, as an extra support, or stop, when needed. This bottom is adjustable both vertically and laterally.

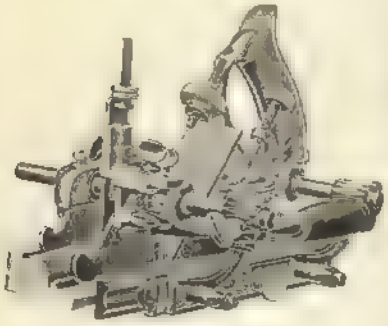
Fences (D) and (E) Fence D has a lateral adjustment by means of a screw, for extra fine work. The fences can be used on either side of the Plane, and the rosewood guides can be tilted to any desired angle up to 45°, by loosening the screws on the face. Fence E can be reversed for Center Beading wide boards.

An Adjustable Stop to be used in beveling the edges of matched boards is inserted on the left hand side of Sliding Section (B).

This Plane takes the place of a full assortment of so-called "Fancy Planes." The same assortment of "Fancy Planes" would cost many times as much as one No. 55. The weight of this plane and 52 tools is 14 pounds.

By means of the patent adjustable bottom and the auxiliary center bottom it is possible to use a cutter of practically any shape with this Plane. This design of bottom is not used in any other Plane now made. Special cutters will be made to order of patterns from which workmen can have any form they may require will be furnished at [illegible].

Directions for Using No. 55.



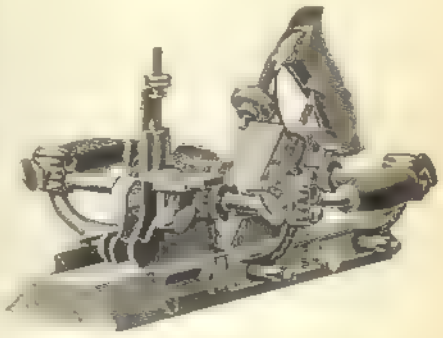
No. 55 as Moulding Plane

Moulding Plane—Insert a Cutter, and adjust bottom of Sliding Section (B) to conform to the shape of the Cutter; then, by means of the two thumb-nuts on the transverse arms, fasten this section firmly — before tightening the Thumb Screws which secure the sliding section to the arms.

When needed adjust Auxiliary Center Bottom (C) for an additional support in front of the Cutter. By tilting the rosewood guides on Fences D and E, mouldings of various angles may be formed.

Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet and Fillester Plane—Use in same manner as for Mouldings. In working Match and Sash Cutters, the Auxiliary Center Bottom (C) may be used as a stop.

Dado—Remove the Fences (D and E) and set the spurs parallel with the edges of the cutter. Insert long Adjustable Stop on left hand side of Sliding Section.



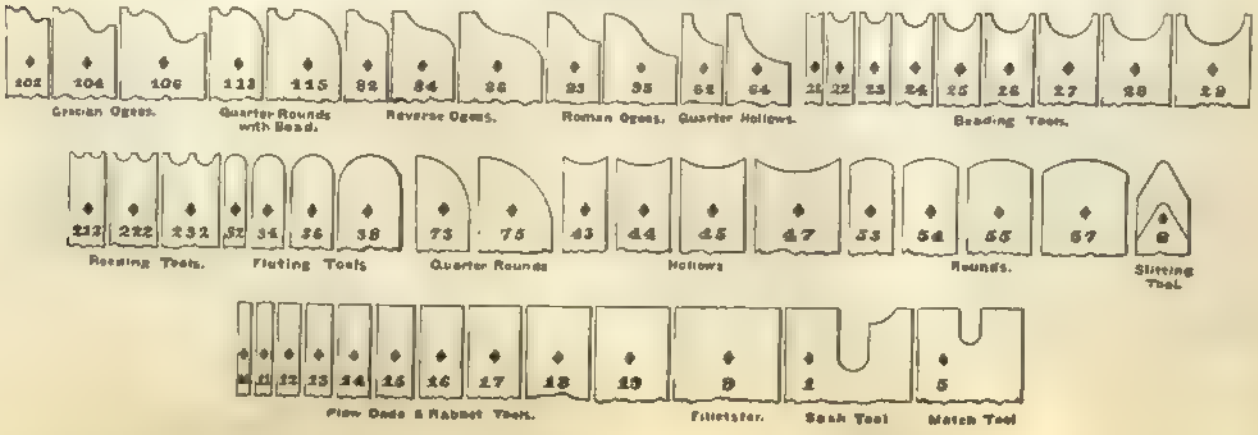
No. [illegible] as Plough [illegible]

Slitting Plane—Insert the Cutter and Stop on right hand side of Main Stock and use Fence D [illegible].

Chamfer—Insert the desired cutter, fasten a Fence on each side of the Plane, [illegible] the rosewood guides to [illegible]. For Chamfer Reading, use in the same [illegible] as above, and feed the cutter down gradually by use of thumb nut for adjustment.

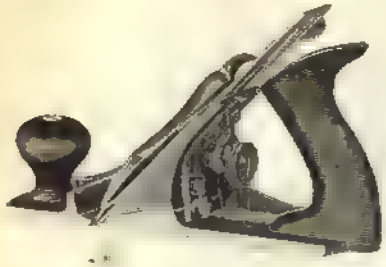
Shapes of Tools Packed with No. 55 Plane.

Cuts Half Size



Adjustable Iron Planes.

STANLEY'S "BED ROCK."



A style of Iron Bench Plane, the perfect design of which allows a combination of the utmost so[illegible] adjustment than any Bench Plane ever produced

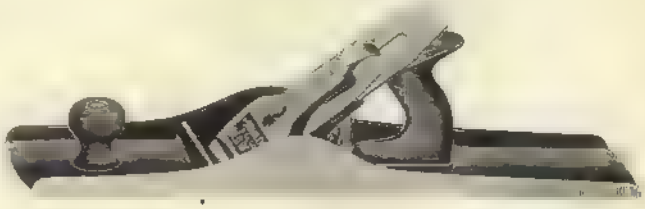
Both surfaces of the Frog are [illegible] in contact with the machined surfaces of the Plane body thus giving the Cutting Iron as solid a [illegible] resting on the Plane body itself

A Tongue [illegible] the bottom side of the Frog and a corresponding groove is formed in the Plane body, overcoming any possibility of shifting or "wobbling" of the Frog. This also makes the Frog self-[illegible] and insures it coming at the right angle with the mouth when adjusted

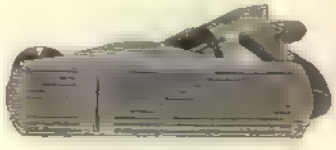
When it is desired to open or close the Throat, it can easily be done by turning the Screw indicated by the [illegible] in the Cut.

Smooth Bottom.

		Each
No. 602	—Smooth, 7 in Long 1⅝ in Cutter	$2 20
No. 603	—Smooth, 8 in Long 1¾ in Cutter	2 30
No. 604	—Smooth, 9 in. Long, 2 in. Cutter.	2 50
No. 604½	—Smooth, 10 in. Long, 2⅜ in. Cutter.	3 00
No. 605	—Jack 14 in Long, 2 in Cutter	$3 00
No. 605½	Jack, 15 in Long, 2¼ in. Cutter	3 50



		Each
No. 606	—Fore, 18 in. Long, 2⅜ in. Cutter	$3 75
No. 607	—Jointer, 22 in Long, 2⅜ in Cutter	$4 10
No. 608	Jointer 24 in Long, 2⅜ in Cutter	5 25



Corrugated Bottom.

		Each
No. 602C	—Sm'th, 7 in Long 1⅝ in. Cutter	$2 20
No. 603C	—Sm'th, 8 in Long, 1¾ in. Cutter	2 30
No. 604C	—Sm'th, 9 in. Long 2 in. Cutter	2 50
No. 604½C	—Sm'th, 10 in. Long, 2⅜ in. Cutter.	3 00
No. 605C	—Jack, 14 in Long 2 in. Cutter	$3 00
No. 605½C	—Jack, 15 in. Long, 2¼ in. Cutter	3 50
No. 606C	—Fore, 18 in. Long, 2⅜ in. Cutter.	3 75
No. 607C	—Jointer, 22 in. Long 2⅜ in. Cutter.	4 40
No. 608C	—Jointer, 24 in Long, 2⅜ in. Cutter	5 25

One in a Box.

Block Planes.

STANLEY'S.

Each
No. 101—3½ in. Long, 1 in. Cutter . . . $0.20

Each
No. 100—3½ in. Long, 1 in. Cutter . . . $0.25

Each
No. 102—5½ in. Long, 1¼ in. Cutter $0.40
No. 103—Adjustable, 5½ in. Long, 1¼ in. Cutter 55

Each
No. 110—7½ in. Long, 1⅝ in. Cutter $0.55

Each
No. 220—Adjustable, 7½ in. Long, 1⅝ in. Cutter $0.75

Each
No. 130—Double Ender, 8 in. Long, 1⅝ in. Cutter $0.75

Each
No. 203—5½ in. Long, 1¾ in. Cutter. $0.85

Each
No. 131—Double Ender, 8 in. Long, 1⅝ in. Cutter $1.50

BAILEY'S.

Each
No. 9½—6 in. Long, 1⅝ in. Cutter $1.10
No. 15 —7 in. Long, 1⅝ in. Cutter 1.20

Nickel Trimmings.

Each
No. 16—6 in. Long, 1⅝ in. Cutter $1 25
No. 17—7 in. Long, 1⅝ in. Cutter 1.35

Rosewood Handle.

Each
No. 9¾—6 in. Long, 1⅝ in. Cutter $1.30
No. 15½—7 in. Long, 1⅝ in. Cutter 1.40

Nickel Trimmings

Each
No. 18—6 in. Long, 1⅝ in Cutter . . $1 30
No. 19—7 in. Long, 1⅝ in. Cutter. 1.40

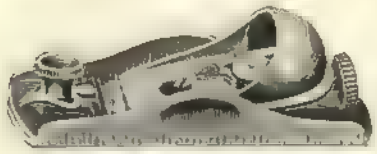
The Knuckle-Joint in the Cap makes it a Lever to Clamp the Cutter in its Seat

One in a Box.

Adjustable Iron Planes.

STANLEY'S.

BLOCK.



Low Angle, Nickel Trimmings.

	Each
No. 60—6 in. Long, 1½ in. Cutter	$1.25
No. 65—7 in. Long, 1⅝ in. Cutter	1.35

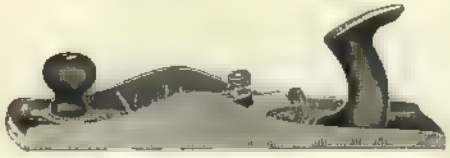
RABBET AND BLOCK.

Nickel Trimmings.

	Each
No. 140—7 in. Long, 1¾ in. Cutter	$1.40

A Detachable Side will easily change this tool from a Block Plane to a Rabbet Plane, or vice versa. The Cutter is set on a Skew.

LOW ANGLE BLOCK.



	Each
No. 62 Patent Adjustable Throat, 14 in Long, 2 in. Cutter	$2.85

Especially adapted for use in all grades of heavy work, where more power is required than can be obtained by the use of the ordinary Block Plane.

SCRUB.

	Each
No. 40—9½ in. Long, 1¼ in Cutter	$1 10

This tool has a single iron with the cutting edge rounded, and is particularly adapted for rough or coarse work before using a Jack or Fore Plane.

CABINET MAKERS' BLOCK.

Rosewood Handle, Nickel Trimmed.

	Each
No. 9—10 in. Long, 2 in. Cutter	$4.10

Used by Piano Makers, Cabinet Makers and kindred trades where an extra fine tool is required for finishing Piano Keys, Hardwood, etc.

CABINET MAKERS' EDGE.

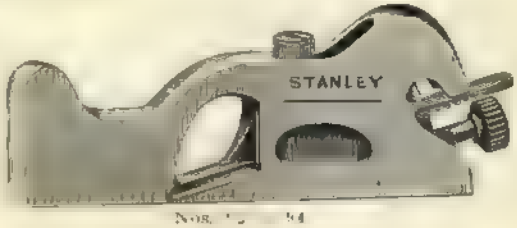
Rosewood Handle, Japanned Trimmed.

	Each
No. 97—10 in. Long, 2¼ in. Cutter	$2.20

Very useful tool for Piano Makers and Cabinet Makers for trimming Inside work, where space prevents the use of any other Plane.

CABINET MAKERS' RABBET.

No. 90—Bull Nose



Nos. [illegible]

Nickel Plated and Adjustable Throat.

Nos.	90	92	93	94
Length, Inches	4	5½	6½	7½
Cutter, Inches	1	¾	1	1¼
Each	$2.20	2.20	2.60	3 00

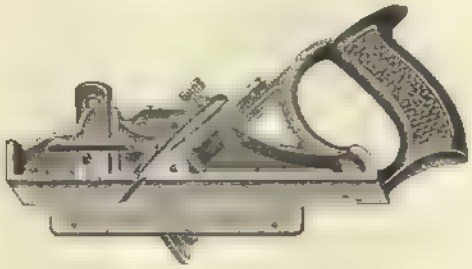
These Planes are designed for fine cabinet work, where extreme accuracy is desired. The sides and bottom being square with each other, the Plane will lie perfectly flat on either side, and can be used right and left.

One in a Box

Adjustable Iron Planes.

STANLEY'S.

SKEW CUTTER, FILLETSTER AND RABBET.



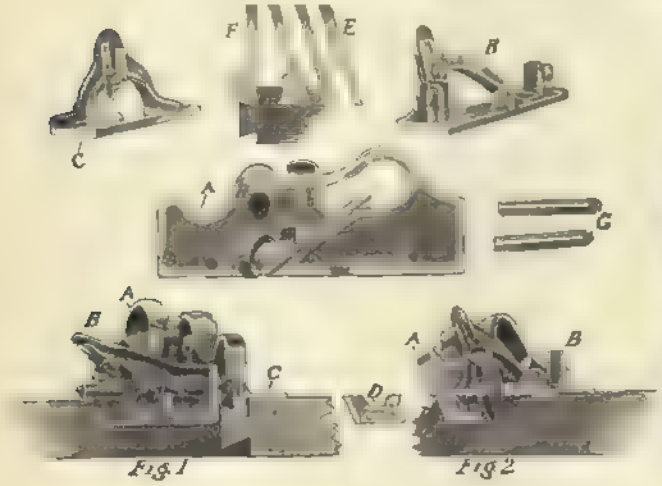
Each

No. 289—Iron Stock, 8½ in. Long, 1¾ in. Cutter, Japanned $1.75

This Plane has an extra wide cutter set on a skew. The Fence and Depth Gauge can be attached to either side so that the Plane can be used equally well for right or left hand work. The Fence slides under the bottom, regulating the width of cut. The Plane has two adjustable spurs, one on each side.

By removing the Depth Gauge, Fence and Arm, a Superior Rabbet Plane is obtained.

COMBINATION DOVETAIL TONGUE AND GROOVE.



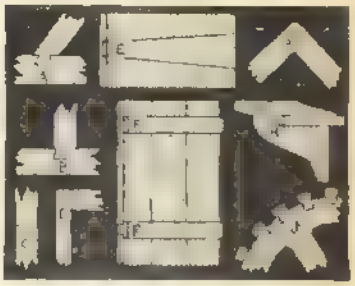


Illustration Showing Work Accomplished with this Plane.

Each

No. 444—Dovetail Tongue and Groove Plane, Nickel Plated $6.00

This most novel tool accomplishes a result sought for many years by wood workers in general, namely, to form a dovetail tongue and groove with one hand tool.

This result was reached by designing a Plane which at one setting cuts a groove with a cutter having a horizontal edge guided by an oblique fence (angle of 20 degrees) and in the other setting cuts a tongue with a cutter having an oblique edge of the same angle guided by two fences at right angles to each other, one being parallel to one side of the cutter.

The operation of the Plane is simple, and the accurate and perfect fitting joints obtained, both parallel and tapering, will convince the operator of the utility of this unique and original tool.

In the illustration, Fig. 1 shows the Plane "A" with fences "B" and "C" properly set and in position for cutting a tongue. Fig 2 shows the Plane with fence "C" removed and fence "B" in position for cutting a groove.

Three sizes of cutters are furnished for forming grooves—the smallest size for ½ and ⅝ inch, the middle size for ¾ and ⅞ inch, and the largest size for 1 to 2 inch boards.

The bottom of the main section "A" being the same size as the smallest cutter, forms its bearing and carries the necessary spur cutter. For use with each of the two larger cutters, two spur blocks "D" to be attached to the main section are furnished.

Only one size cutter "E" is required for cutting all sizes of tongues. For cutting larger grooves special instructions are packed with the Plane. Cut "F" shows arms for attaching fences.

The Plane is handsomely nickel plated, and packed in a neat wooden box.

One in a Box

Parts of "Bailey" "Bed Rock" and Miscellaneous Planes.

Name of Part.

No. 1A Double Cutter (Double Iron)
No. 1 —Cutter (Plane Iron)
No. 2 —Cutter Cap (Plane Iron Cap)
No. 3 —Cutter Cap Screw
No. 3½ Cutter Bolt and Nut
No. 4 —Cutter Lever Cap
No. 5 —Cutter Lever Cap Screw
No. 6 —Cutter Seat Complete (Frog)

Name of Par

No. 7—Endwise Adjusting Lever
No. 8—Endwise Adjusting Lever Wheel
No. 9—Lateral Adjusting Lever
No. 10—Seat Screws (Frog) (Each)
No. 11—Plane Handle
No. 12—Plane Knob
No. 13—Plane Handle Bolt and Head
No. 14—Plane Knob Bolt and Head

Name of Part

No. 15—Plane Handle Screw
No. 16—Plane Bottom
No. 17—Plane Bottom Top Castings
No. 18—Detachable Side
No. 19—Detachable Side Screws (Each)
No. 21—Eccentric Plate and Pin
No. 22—Eccentric Plate Knob

No.	1	2 2c	3 3c	4 4c	4½ 4½c	5 5c	5½ 5½c	6 6c	7 7c	8 8c	9	10 10c	10½ 10½c	11 11½c	13	20	20½	21	22	23	24	25	26
2	$0 14	14	17	14	19	17	19	19	19	18	3	18	18	18	.15	7	17	15	15	1	1	1	17
3	04	04	07	05	06	06	06	06	07	07	05	07	07	07	06	06	06	06	06	05	05	05	05
4	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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15	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05
16	65	65	65	65	1 00	1 00	1 00	1 00	1 00	1 00	2 00	2 00	3 00	1 65	1 50	1 50	60	60	60	40	40	40	40	40	50
17																	1 00	1.50	1	1	.50	.50	.50	.50	.50

No.	27	27½	28	29	30	31	32	33	34	35	36	37	51	113	602	603	604	604½	605	605½	606	607	608
															4 c	4 c	4 c	4 c	4 c	4 c	4 c	4 c	4 c
2	18	18	18	18	18	18	18	18	18	17	18	18	1	1	14	17	17	17	17	18	19	18	18
3	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07
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12	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05	05
16	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
17	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	1 00	.50	.50	.50	.50	.50	.50	.50	.50	.50

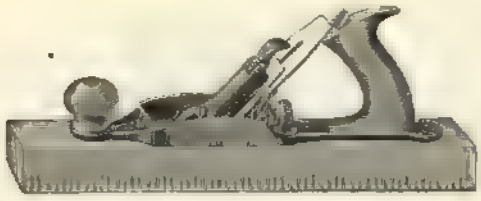
Always Give Plane Number and Part Number, in Ordering Parts

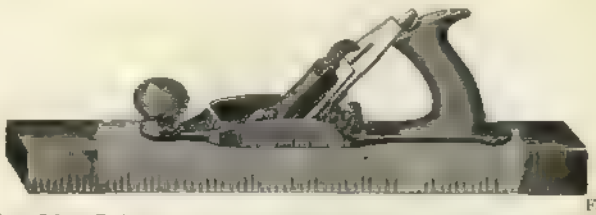
Adjustable Wood Bottom Planes.

BAILEY'S BENCH.

	Each
No. 22—Smooth, 8 in. Long, 1¾ in Cutter	$1.50
No. 23—Smooth, 9 in. Long, 1⅝ in. Cutter	1.50
No. 24—Smooth, 8 in. Long, 2 in. Cutter	1.50
No. 25—Block, 9½ in. Long, 1¾ in. Cutter	1.50

	Each
No. 35—Handled Smooth, 9 in. Long, 2 in Cutter	$1.90
No. 36—Handled Smooth, 10 in. Long, 2⅜ in. Cutter	2.05
No. 37—Jenny Smooth, 13 in. Long, 2⅜ in. Cutter	2.20



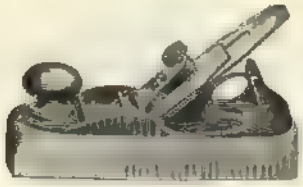


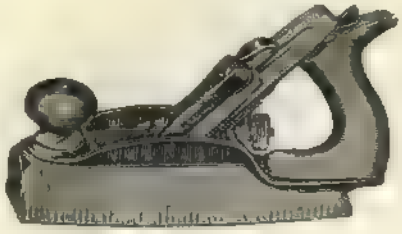
	Each
No. 26—Jack, 15 in. Long, 2 in. Cutter	$1.65
No. 27—Jack, 15 in. Long, 2⅛ in. Cutter	1.90
No. 27½—Jack, 15 in. Long, 2¼ in. Cutter	1.95
No. 28—Fore, 18 in. Long, 2⅜ in. Cutter	2.05
No. 29—Fore, 20 in. Long, 2⅜ in. Cutter	2.10

	Each
No. 30—Jointer, 22 in. Long, 2⅜ in Cutter	$2.20
No. 31—Jointer, 24 in. Long, 2⅜ in. Cutter	2.25
No. 32—Jointer, 26 in Long, 2⅜ in. Cutter	2.40
No. 33—Jointer, 28 in. Long, 2⅜ in. Cutter	2.45
No. 34—Jointer, 30 in. Long, 2⅜ in. Cutter	2.60

One in a Box.

STANLEY'S BENCH.





	Each
No. 122—Smooth, 8 in. Long, 1¾ in. Cutter	$1.10

	Each
No. 135—Handled Smooth, 10 in. Long, 2⅜ in. Cutter	$1.50

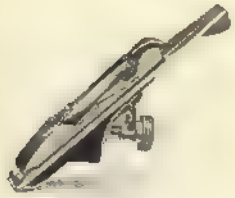
One in a Box.

	Each
No. 127—Jack, 15 in. Long, 2⅛ in. Cutter	$1.50
No. 129—Fore, 20 in. Long, 2⅜ in. Cutter	1.65
No. 132—Jointer, 26 in. Long, 2⅜ in. Cutter	1.90

One in a Box.

Adjustable Iron Planes.

BAILEY'S BENCH.



Showing the Cutter resting on the Iron Frog being screwed down to the heel of the bevel of the Cutting edge

Showing the machined surface on which the Frogs rest

Plane with side cut away, showing thickness of metal where Frog is screwed fast

The "Bailey" Plane as now made gives the Cutter a firm resting place on the Frog, clear down to the Bevel. The Frog in turn rests on machined surfaces and is fastened by two screws to bosses cast in bottom of Plane, on either side of a very strong rib, making in effect one solid piece from Cap to Bottom.

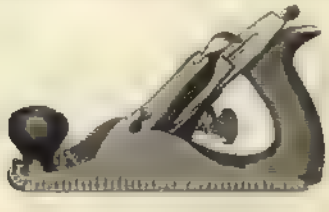
Smooth Bottom.

		Each
No. 1	—Smooth, 5½ in. Long, 1¼ in. Cutter.	$1.50
No. 2	—Smooth, 7 in. Long, 1⅝ in. Cutter.	2.00
No. 3	—Smooth, 8 in. Long, 1¾ in. Cutter.	2.10
No. 4	—Smooth, 9 in. Long, 2 in. Cutter.	2.20
No. 4½	—Smooth, 10 in. Long, 2⅜ in. Cutter.	2.50
No. 5	—Jack, 14 in. Long, 2 in. Cutter.	$2.50
No. 5½	—Jack, 15 in. Long, 2¼ in. Cutter.	3.00
No. 6	—Fore, 18 in. Long, 2⅜ in. Cutter.	3.25
No. 7	—Jointer, 22 in. Long, 2⅜ in. Cutter.	3.75
No. 8	—Jointer, 24 in. Long, 2⅝ in. Cutter.	4.50

Corrugated Bottom.

		Each
No. 2C	—Smooth, 7 in. Long, 1⅝ in. Cutter.	$2.00
No. 3C	—Smooth, 8 in. Long, 1¾ in. Cutter.	2.10
No. 4C	—Smooth, 9 in. Long, 2 in. Cutter.	2.20
No. 4½C	—Smooth 10 in Long, 2⅜ in. Cutter	2.50
No. 5C	—Jack, 14 in. Long, 2 in. Cutter.	$2.50
No. 5½C	—Jack, 15 in. Long, 2¼ in. Cutter.	3.00
No. 6C	—Fore, 18 in. Long, 2⅜ in. Cutter.	3.25
No. 7C	Jointer 22 in Long, 2⅜ in Cutter	3.75
No. 8C	—Jointer, 24 in. Long, 2⅝ in. Cutter.	4.50

STANLEY'S CARRIAGE MAKERS' RABBET.



STANLEY'S, STEEL, BENCH.

Smooth Bottom.

		Each
No. 10½	— 9 in. Long, 2⅛ in. Cutter.	$2.50
No. 10	—13 in. Long, 2⅛ in. Cutter.	3.00
No. 104	—Smooth, 9 in. Long, 2⅛ in. Cutter.	$2.05
No. 105	—Jack, 14 in. Long, 2⅛ in. Cutter.	2.60

One in a Box.

Weedless Bass Baits.

G. B. HUNTER'S.

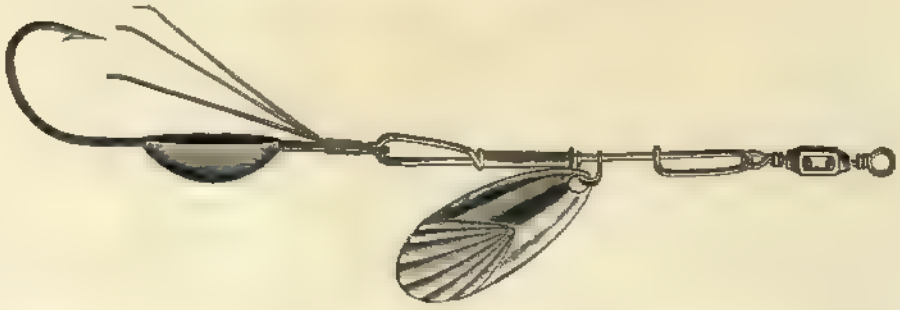
Showing Method of Attaching Frog to the Weedless Tandem Hook. Put rubber band around frog just in front of barb of second hook

Weedless Tandems.

Per Dozen

No. 51 Weedless Tandem. Bronzed Pennell Sproat Hollow Point Hooks, Mounted on 8 in. Copper Plated Piano Wire, Brass Box Swivel..... **$3.50**

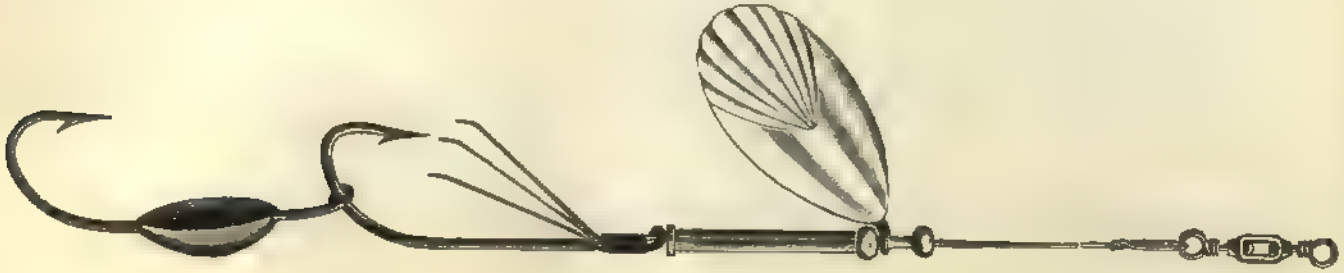
Weedless Casting Spoons.



Per Dozen

No. 56—Weedless Casting Spoon, Bronzed Pennell Sproat Hollow Point Hook, Nickel Plated Spoon Between Beads, Mounted on Copper Plated Piano Wire, Brass Box Swivel, Full Length 6 in $3 50

Weedless Tandem Casting Spoons.



Per Dozen

No. 57—Weedless Casting Tandem Spoon, Bronzed Pennell Sproat Hollow Point Hooks, Nickel Plated Spoon Between Beads, Mounted on Copper Plated Piano Wire, Full Length 8 in .. $4 50

Weedless Tandem Hooks.

U.–B.

Cut Showing Method of Retaining Minnow.

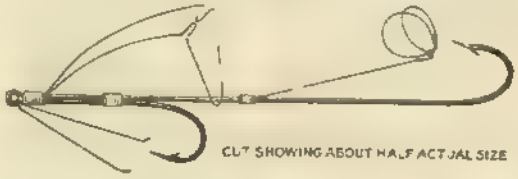
Cut Showing About One-half Actual Size

Per Dozen.

No. 65—**U.–B. Weedless Tandem.** 3–0 Hollow Point Weedless Sproat Hook in Front 4–0 Hollow Point Carlisle Hook in Rear, with Fine Music Wire Looped Clamp Attached. Beautifully Nickel Plated Over a Copper Plate.....$6.00

Live Frog Harness.

U.–B.



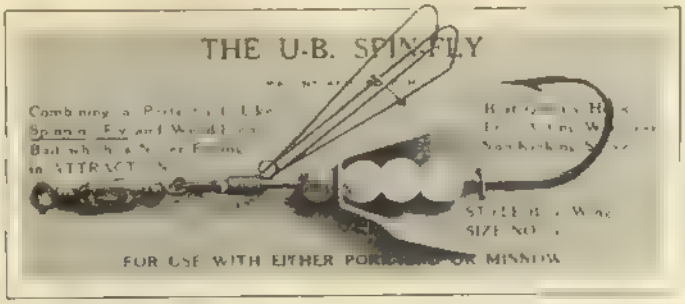
CUT SHOWING ABOUT HALF ACTUAL SIZE

Per Dozen

No. 60—**U.–B. Frog Harness.** Best Music Wire, 4–0 Extra Quality Filed Point Sproat Hook in Front, 6–0 Extra Quality Filed Point Carlisle Hook in Rear, Annealed Wire Saddle Loops, Nickel Plated.....$6.00

Spin Flies.

U.–B.



Per Dozen

U.–B. Spin Fly Best Quality Weedless Hooks Assorted White Blue and Red Wings Colored Beads, Non-Kinkable Swivel, Nickel Plated Over a Heavy Copper Plate.....$4.25

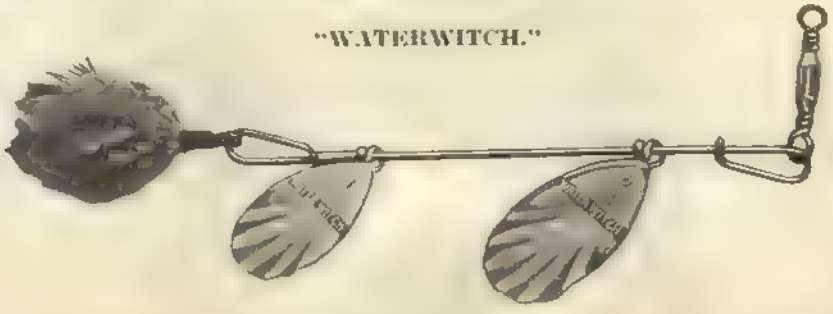
Double Trolling Spoons.

SKINNER'S.

Per Dozen

No. 21 Fluted Pattern, Nickel Plated, Mounted with Nos 1 and 2 Spoons Plain Treble Hook .$4 00

"WATERWITCH."



Per Dozen

No. 021—Fluted Pattern Nickel Plated Mounted with Nos 1 and 2 Spoons, **Nicely Feathered Treble Hook** .. $2 80

Put Up Half Dozen or One Dozen in a Box

Fly Spoons.

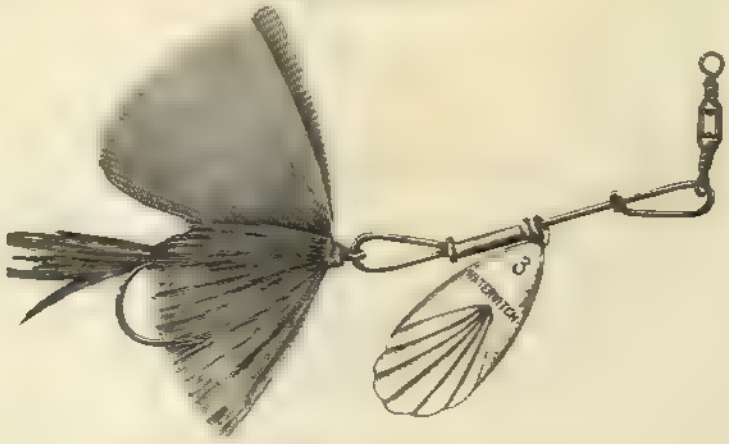
Cuts Full Size.

SKINNER'S.

With Interchangeable Pattern Flies.

	Per Dozen
No. 22—Fluted Pattern, No 2 Nickel Plated Spoon, 1–0 Sproat Hook	$4 00
No. 33—Fluted Pattern, No. 3 Nickel Plated Spoon, 1 0 Sproat Hook	4 00

"WATERWITCH."



With Interchangeable Pattern Flies.

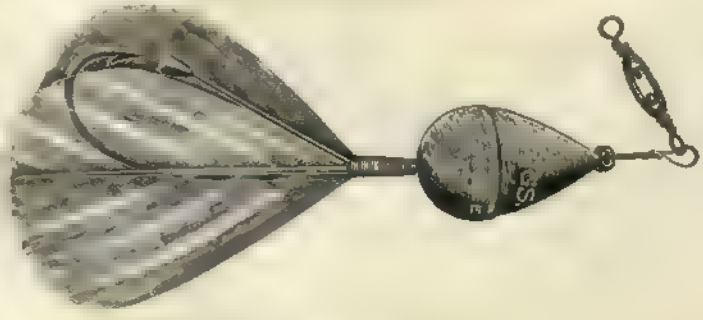
	Per Dozen
No. 022—Fluted Pattern, No. 2 Nickel Plated Spoon, 1–0 Sproat Hook	$2.50
No. 033—Fluted Pattern, No. 3 Nickel Plated Spoon, 1–0 Sproat Hook	2.50

Waterwitch Interchangeable Flies.

	Per Dozen
No. 123—Ringed Eye, For Nos. 22, 33, 022 and 033 Fly Spoons	$1.50

Flies Furnished—Brown Hackle, Grizzly King, White Miller, Coachman, Montreal, Professor and Silver Doctor

BING'S WEEDLESS.



With Interchangeable Flies.

	Per Dozen
No. 111—Nickel Plated and Gilt Outside and Red Painted Inside No. 1 Spoon, Plain Weedless, Ringed Eye Interchangeable Hook, Large Tail and Stiff Feather Wings	$5.00
No. 112—Same Description as No. 111, but with No. 2 Spoon	5.00

Furnished in Ibis and White Miller Flies.

Casting Spoons.

Cuts Full Size

SKINNER'S.

Fluted Pattern Spoon with Red Bead Bearing, on Gimp or Gut Snells.

	Per Dozen
No. 0—Nickel Plated No. 0 Spoon, for Trout	$2.25
No. 1—Nickel Plated No. 1 Spoon, for Bass or Trout	2.25
No. 2—Nickel Plated No 2 Spoon, for Bass or Trout	2 25
No. 3—Nickel Plated No. 3 Spoon, for Bass or Pickerel	2.25

For Bass the Spoon may be used without Bait, but for Trout with Bait

Fluted Pattern Spoon with Red Bead Bearing, and Auxiliary Trail Hook.

	Per Dozen
No. 2X Nickel Plated No 2 Spoon, Mounted on 2–0 and 1 Sprout Hooks, Gimp Snells.	$2.50
No. 3X—Nickel Plated No. 3 Spoon, Mounted on 2 0 and 1 Sprout Hooks, Gimp Snells.	2.50
No. 4X—Nickel Plated No 4 Spoon, Mounted on 4–0 and 2–0 Sprout Hooks, 4 Ply Twisted Gut	3.00

"WATERWITCH."

Fluted Pattern, on Double Gut Snells.

	Per Dozen
No. 01 Nickel Plated No. 1 Spoon, for Bass or Trout	$1.50
No. 02—Nickel Plated No. 2 Spoon, for Bass or Trout	1.50
No. 03—Nickel Plated No. 3 Spoon, for Bass or Pickerel	1.50

Fluted Pattern, with Auxiliary Trail Hook.

	Per Dozen
No. 02X Nickel Plated No 2 Spoon, Mounted on 2–0 and 1 Sprout Hooks, Double Gut Snells	$2 00
No. 03X—Nickel Plated No. 3 Spoon, Mounted on 2–0 and 1 Sprout Hooks, Double Gut Snells	2.00

One twelfth Dozen on a Card, One Dozen in a Box.

Trolling Spoons, in Assortments.

	Per Card
Assortment B—Non-Luminous, Consists of One Each, No. 4 Enterprise Embossed, No. 5 Fish Head, No 3 Heart, No. 5 Fluted, No. 3 Paragon Spoon and One No. 4 Irvin Spinner, ½ Dozen Sewed on a Card	$1.50
Assortment C—Luminous, Consists of Bass, Trout and Pike Spoons, ½ Dozen Dozen Sewed on a Card	1.00

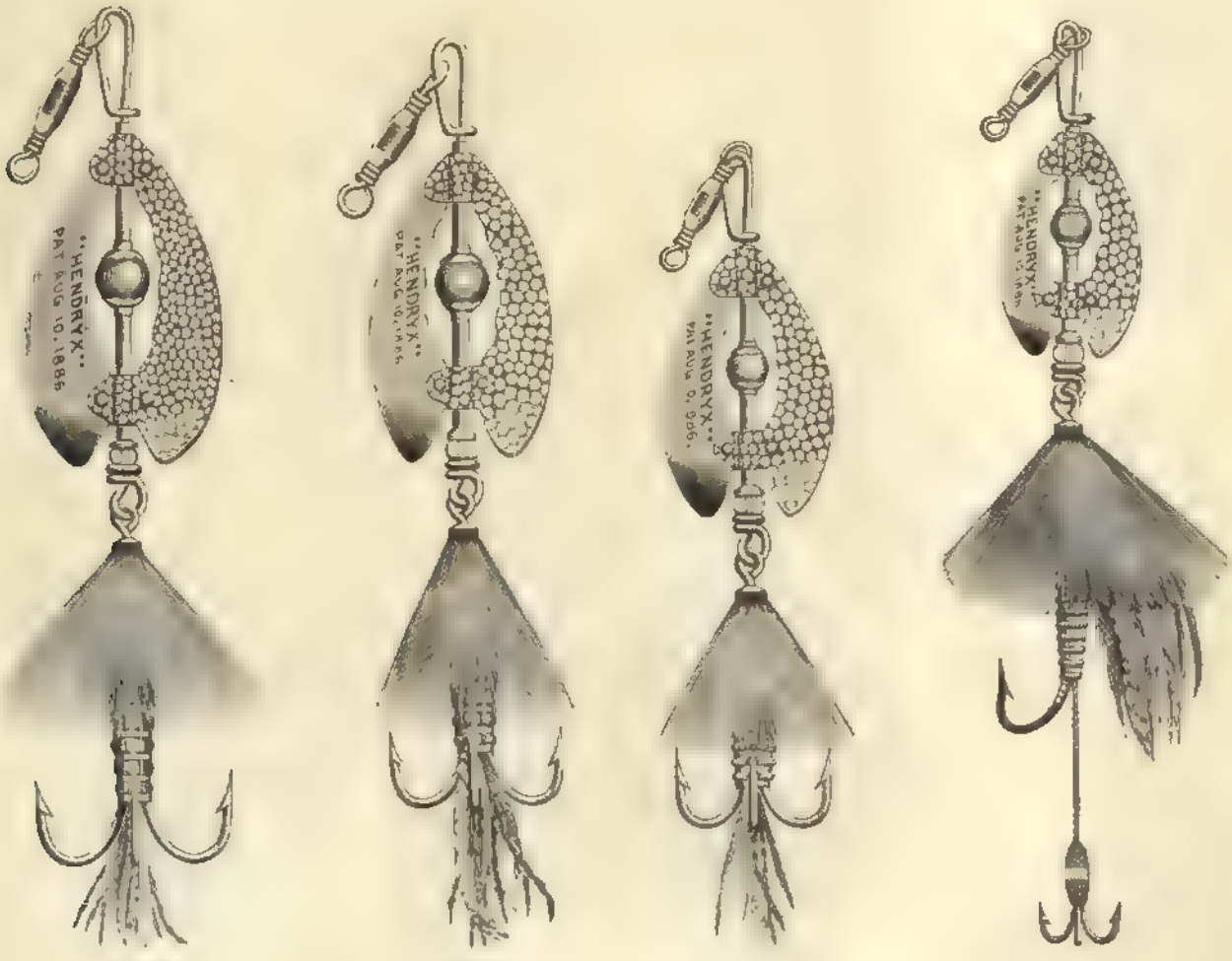
One Card, in a Box

Fish Baits.

Cuts Full Size

TROLLING SPOONS.

AMERICAN SPINNER WITH BUG.



No 3B No 4B No. 5B. No. 6B.

No. 199—Hammered Bronze, Nickel Plated and Brass Blade, Best Quality Hollow Point Feathered Treble Hooks, with Finely Colored Bug.

Size Nos.	3B	4B	5B	6B
Per Dozen	$6.00	6.00	6.00	6.00

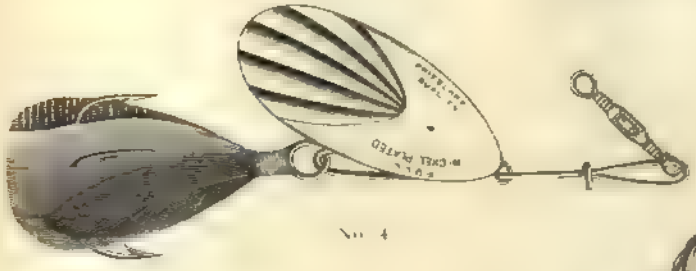
One-twelfth Dozen in a Box.

Fish Baits.

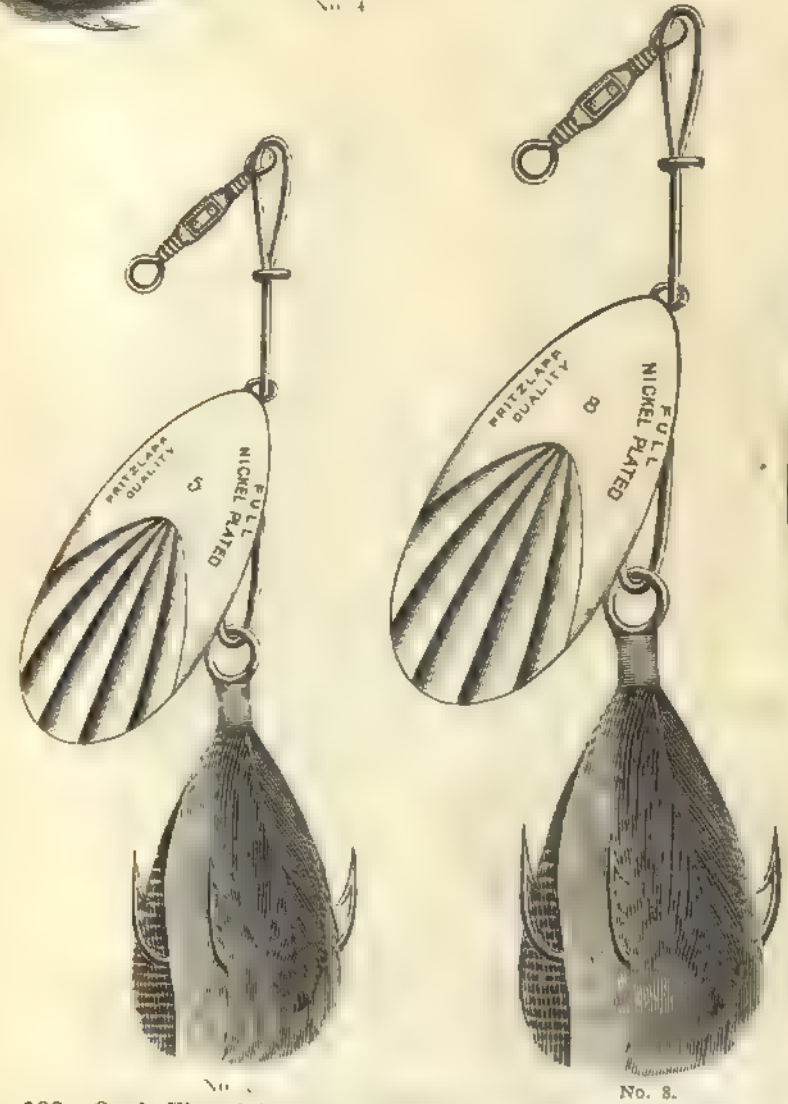
Cuts Full Size

TROLLING SPOONS.

"PRITZLAFF QUALITY."



No. 4



No. 5. No. 8. No. 12

No. 100—Oval, Fluted Pattern, **Nickel Plated Brass Spoon**, Feathered Treble Hooks, Brass Box Swivel, Brass Spring Snap.

Size Nos.	**1**	**2**	**3**	**4**	**4½**	**4¾**	**5**	**6**	**7**	**8**	**9**	**12**
Per Dozen	$2.50	2.50	2.50	2.50	2.50	2.50	3.25	3.25	4.00	4.00	5.00	6.00

No. 101—Oval, Fluted Pattern, **White Enameled Spoon**, Feathered Treble Hooks, Brass Box Swivel, Brass Spring Snap.

Size Nos.	**4**	**4½**	**4¾**	**5**	**6**	**7**	**8**
Per Dozen	$3.00	3.25	3.50	3.75	4.25	4.60	5.00

The Pritzlaff Quality Trolling Spoons are Extra Fine Full Feathered, Finished with Best Quality Hollow Pearl Treble Hooks, Feathered with Duck and Guinea Feathers.

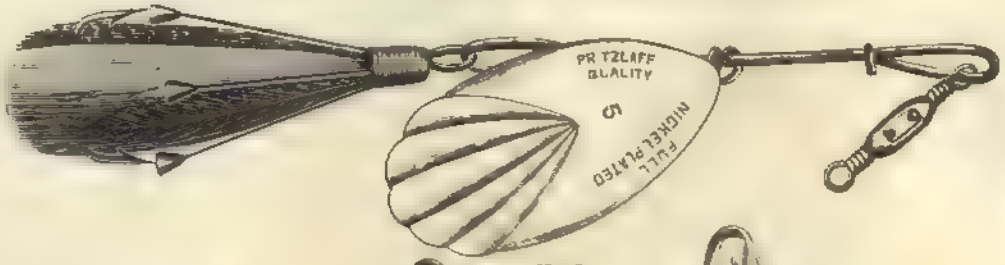
Nos. 2 to 8, One Dozen; Nos. 9 and 12, One-half Dozen in a Box

Fish Baits.

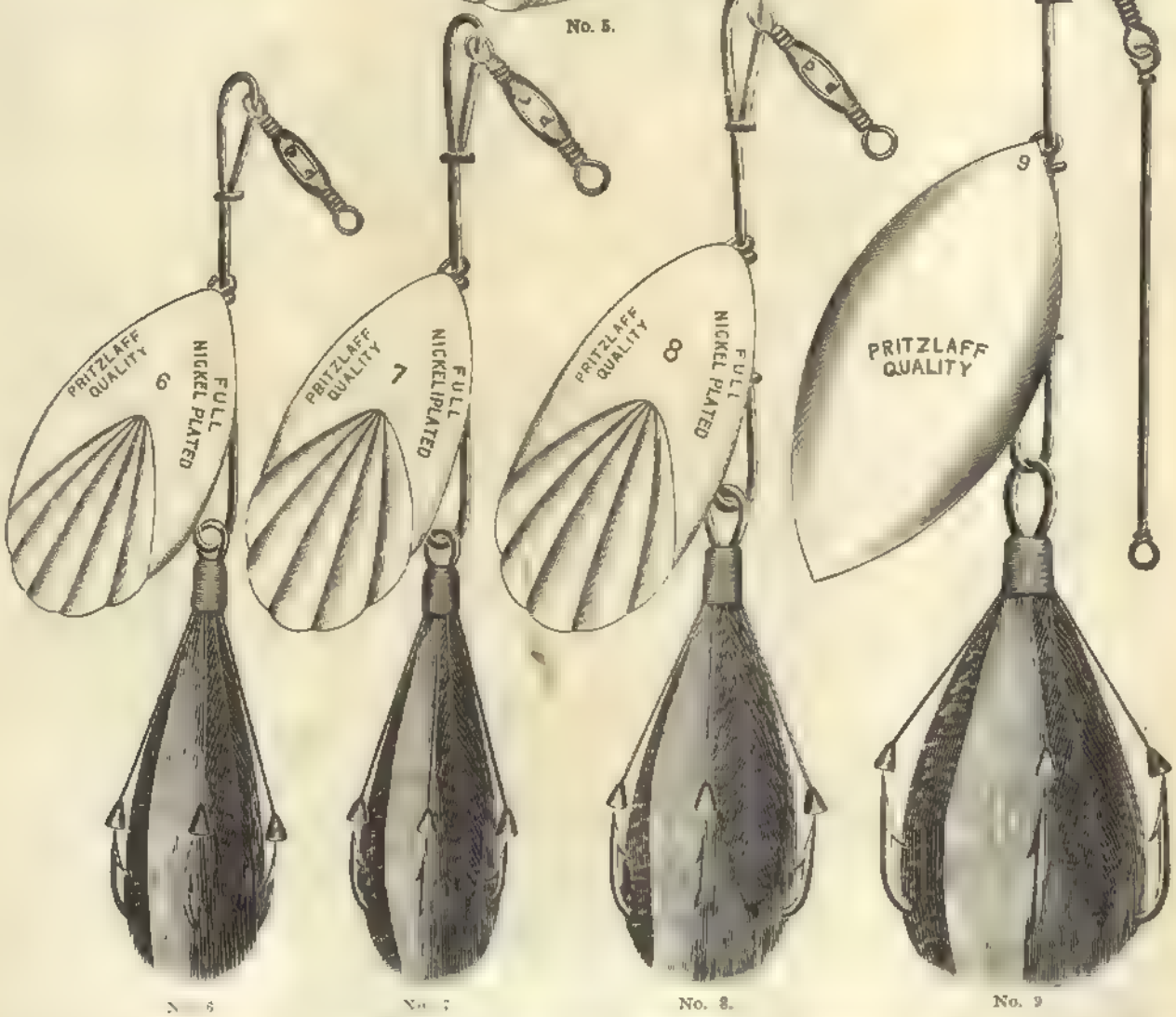
Cuts Full Size

TROLLING SPOONS.

"PRITZLAFF QUALITY" WEEDLESS, FEATHERED.



No. 5.



No. 6 No. 7 No. 8. No. 9

No. 200 Oval, Fluted Pattern **Nickel Plated Spoon**, Weedless Feathered Hollow Point Treble Hooks, **Brass** Box Swivel, Brass Spring Snaps.

Size Nos.	**4¾**	**5**	**6**	**7**	**8**	**9**	**12**
Per Dozen	$5.50	6.00	6.25	7.00	7.50	9.00	11.00

No. 201 Oval Fluted Pattern, **White Enameled Spoon**, Weedless Feathered Hollow Point Treble Hooks, **Brass** Box Swivel, Brass Spring Snaps.

Size Nos.	**4**	**4½**	**5**	**6**	**7**	**8**
Per Dozen	$6.00	6.50	7.00	7.50	8.00	8.50

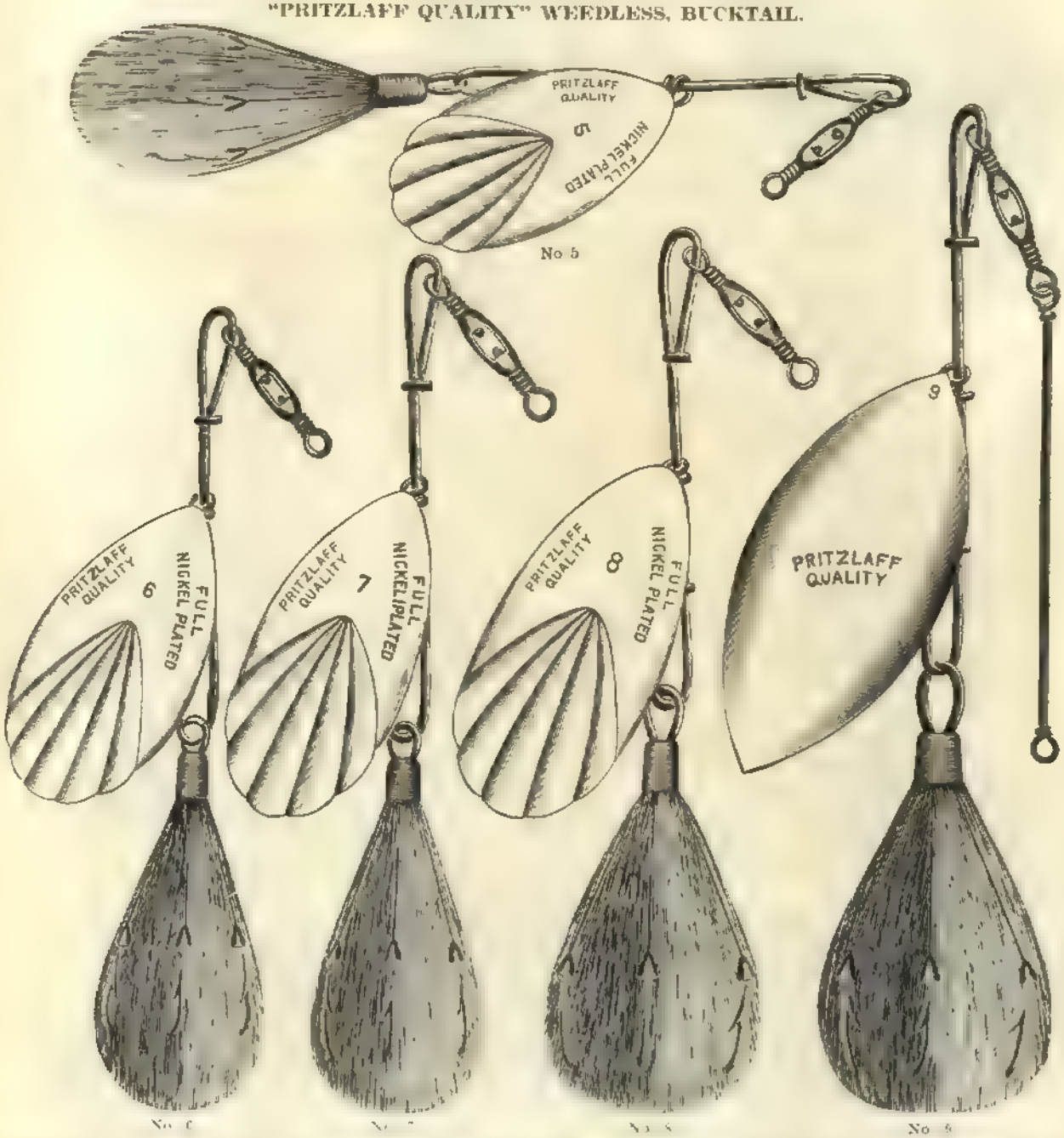
One-half Dozen in a Box.

Fish Baits.

Cuts Full Size

TROLLING SPOONS.

"PRITZLAFF QUALITY" WEEDLESS, BUCKTAIL.



No. 300—Oval, Fluted Pattern, **Nickel Plated Spoon,** Weedless Bucktail Treble Hooks, Brass Box Swivel, Brass Spring Snaps.

Size Nos.	**5**	**6**	**7**	**8**	**9**	**12**
Per Dozen	$6.50	6.75	7.50	8.00	9.50	11.50

No. 301 —Oval, Fluted Pattern, **White Enameled Spoon,** Weedless Bucktail Treble Hooks, Brass Box Swivel, Brass Spring Snap.

Size Nos.	**4**	**4½**	**5**	**6**	**7**	**8**
Per Dozen	$6.50	7.00	7.50	8.00	8.50	9 00

One-half Dozen in a Box

Fish Baits.

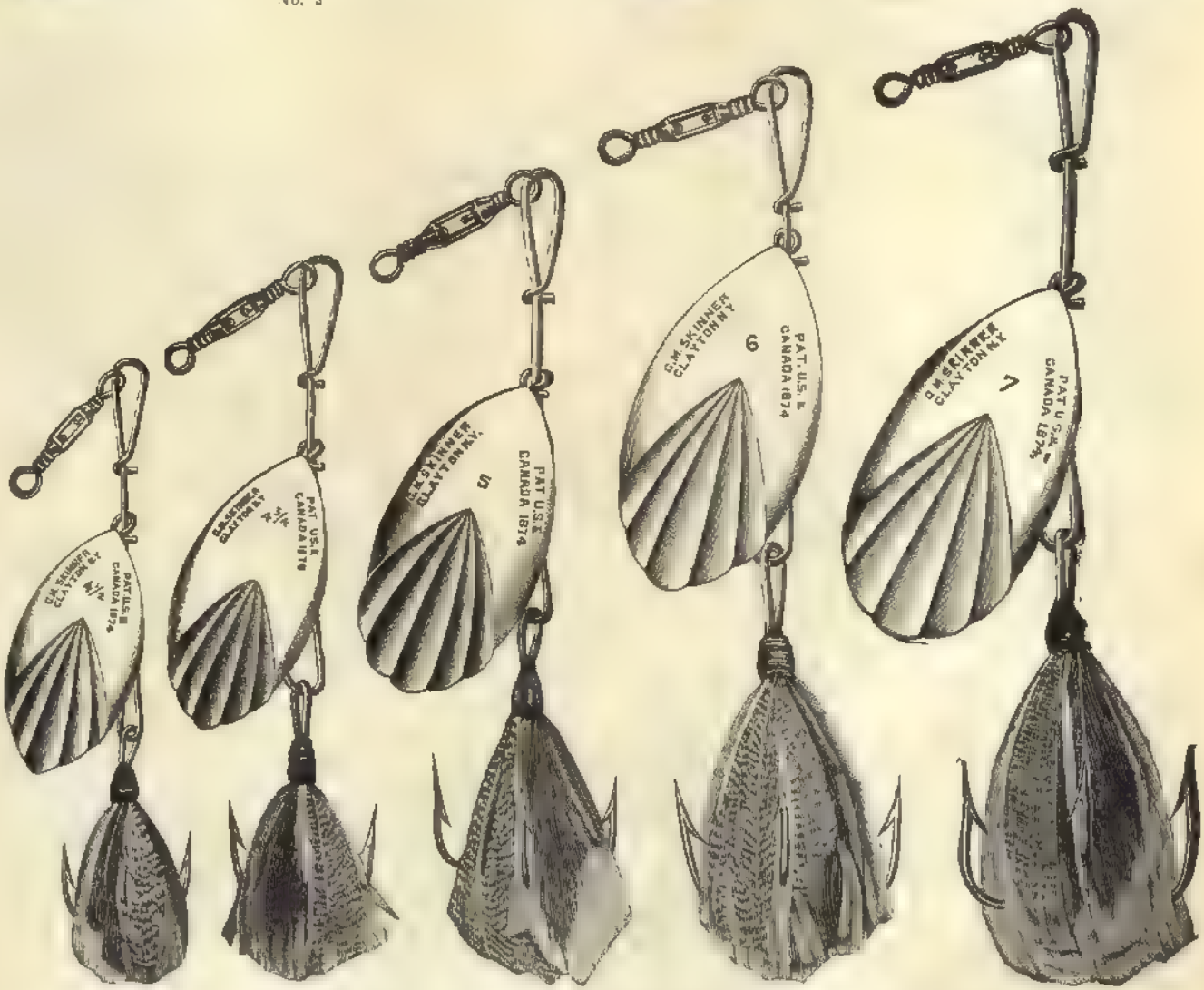
Cuts Full Size.

TROLLING SPOONS.

SKINNER'S.

No. 3

No. 4



No. 4½. No. 4¾. No. 5. No. 6. No. 7.

Oval, Fluted Pattern, **Nickel Plated Spoon,** Feathered Treble Hooks, Brass Box Swivel

Nos.	0	1	2	3	4	4½	4¾	5	6	7
Per Dozen	$3.00	3.00	3.00	3.00	3.00	3.00	3.00	4.00	4.00	5.00

Oval, Fluted Pattern, Nickel Plated Spoon, **Inside Gilt Bowl,** Feathered Treble Hooks, Brass Box Swivel.

Nos.	1	2	3	4	4½	4¾	5	6	7
Per Dozen	$3.80	3.80	3.80	3.80	3.80	3.80	4.80	4.80	5.80

Oval Fluted Pattern, **Copper Plated Bowl,** Feathered Treble Hooks, Brass Box Swivel.

Nos.	4½	4¾	5	6	7
Per Dozen	$3.00	3.00	4.00	4.00	5.00

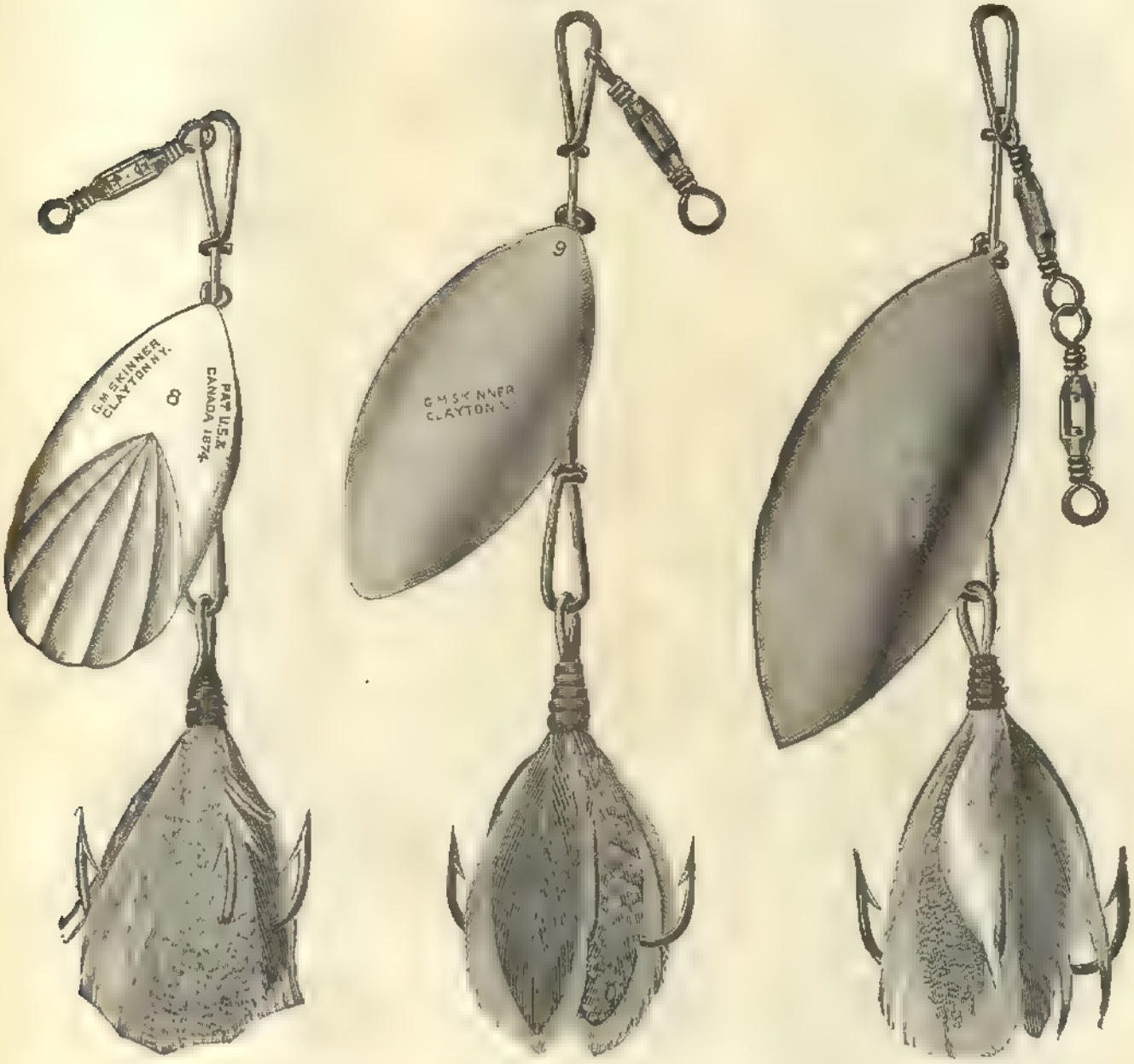
One Dozen in a Box

Fish Baits.

Cuts Full Size

TROLLING SPOONS.

SKINNER'S.



No. 8 No. 9. No. 12.

Oval Pattern, **Nickel Plated Spoon,** Feathered Treble Hooks, Brass Box Swivel.

Nos.	**8**	**9**	**12**
Per Dozen	$5.00	6.00	10.00

Oval Pattern, Nickel Plated Spoon, **Inside Gilt Bowl,** Feathered Treble Hooks, Brass Box Swivel

Nos.	**8**	**9**
Per Dozen	$5.80	6.80

Oval Pattern, **Copper Plated Bowl,** Feathered Treble Hooks, Brass Box Swivel.

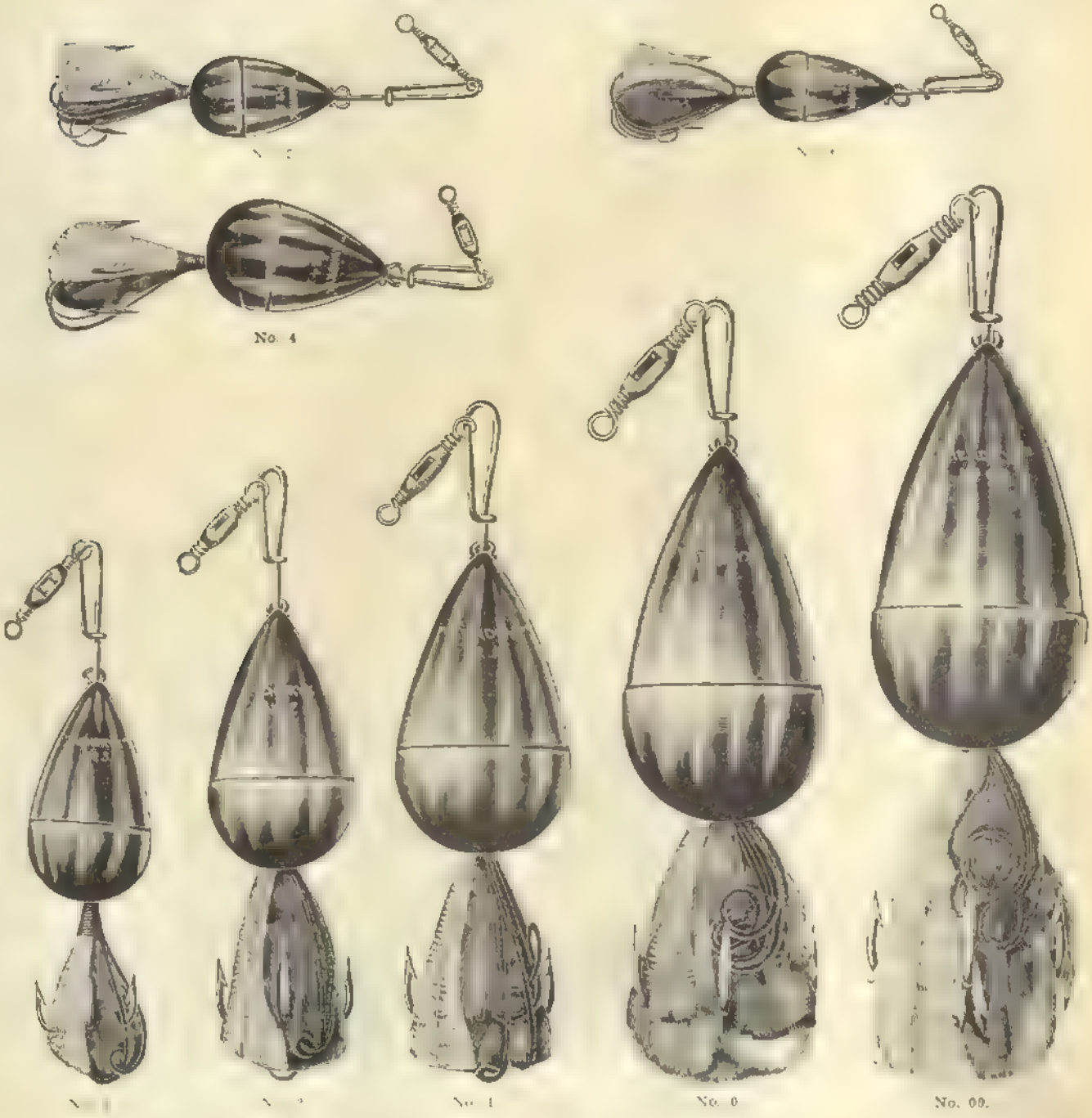
Nos.	**8**	**9**
Per Dozen	$5.00	6.00

No. 8, One Dozen, Nos. 9 and 12, One-half Dozen in a Box.

Gold Bowl Baits.

Cuts Full Size

HENDRYX, "A" QUALITY.



No. 350—Extra Fine Half Gold and Half Nickel Plated Brass Spoon, Full Feathered with Duck Peacock and Guinea Feathers, Best Quality Hollow Pointed Treble Hooks, Spring Brass Snap and Best Quality Brass Box Swivel.

Size Nos.	6	5	4	3	2	1	0	00
Size Spoon, Inches	1 ¼x1½	1⅜x1⅝	1⅜x⅞	1⅝x1¾	1 ¾x1¾	2 ¼x1¾	2¼x1	2 ¼x1
No. of Hooks.	6	4	1	1-0	2-0	4-0	6-0	7-0
Per Dozen ...	$2 50	2 50	2.50	3.25	3.25	3 25	4 00	4 00

Fish Baits.

Cuts Full Size

MUSCALLONGE SPOONS.

HOLT'S.

No. 6. No. 7. No. 8.

Oval Pattern, Nickel Plated Spoon Extra Heavy Feathered Treble Spear Point Hooks, Swivel and Leader.

Nos.	6	7	8
Per Dozen	$4.00	4.00	4.00

One Dozen In a Box.

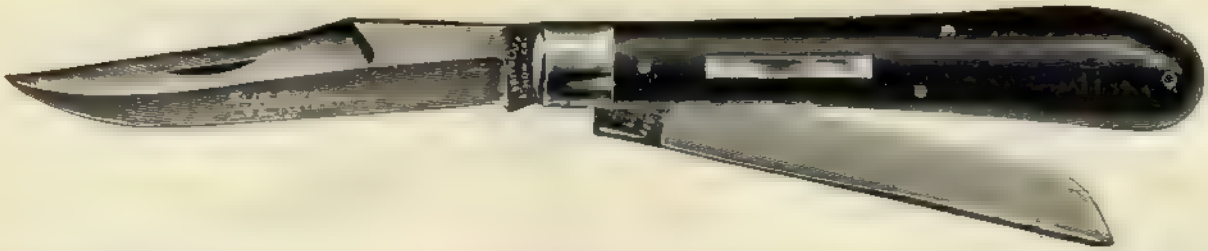
Pocket Knives.

PRITZLAFF EVERGREEN WARRANTED.

Cuts Full Size

No. E201—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster . . . . . Per Dozen $8.50

No. E262—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, Crocus Finish . . . . . Per Dozen $11.00



No. E2932—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, Crocus Finish . . . . . Per Dozen $12.00

No. E2934—Two Blades, Stag Handle, Brass Lined, German Silver Bolster, Crocus Finish . . . . . Per Dozen $12.50

One-half Dozen in a Box.

Pocket Knives.

PRITZLAFF EVERKEEN WARRANTED.

Cuts Full Size

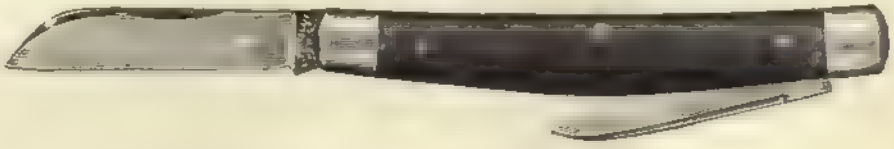
No. E2314—Two Blades, Stag Handle, Brass Lined, German Silver Tips, Crocus Finish . . . Per Dozen $8 00

No. E2212—Two Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish . Per Dozen $8 00

No. E2214—Two Blades, Stag Handle, Brass Lined, German Silver Bolsters, Crocus Finish . Per Dozen ..$8.00

No. E2217—Two Blades, Pearl Handle, Brass Lined, German Silver Bolsters, Crocus Finish .. Per Dozen ..$22.00

No. E2005—Two Blades, Gold Tinge Celluloid Handle, Brass Lined, German Silver Bolsters, Crocus Finish ..... Per Dozen $11.00



No. E2232—Two Blades, Ebony Handle, Brass Lined, Polished Steel Bolsters .. .. Per Dozen $7 50

One-half Dozen in a Box.

Pocket Knives.

PRITZLAFF WARRANTED.

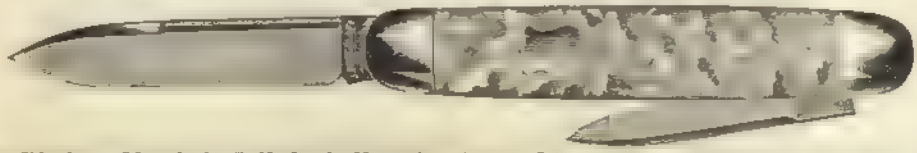
Cuts Full Size.

No. E2514.

Per Dozen

No. E2514—Two Blades, Stag Handle Brass Lined, German Silver Bolsters $8 00

No. E2512—Two Blades, Ebony Handle, Brass Lined German Silver Bolsters 8.00

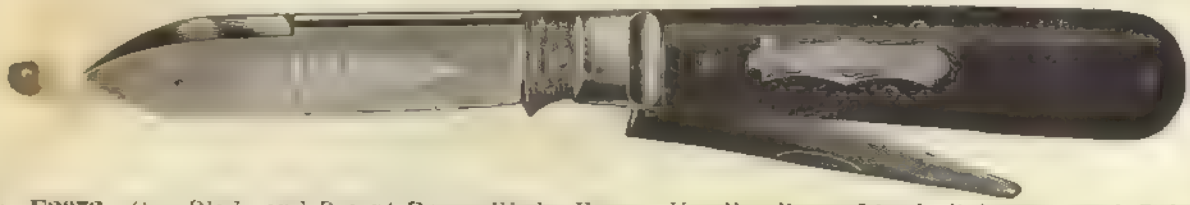


Per Dozen

No. E2516—Two Blades Mottled Celluloid Handle, Brass Lined, German Silver Bolsters, Crocus Finish $9.50

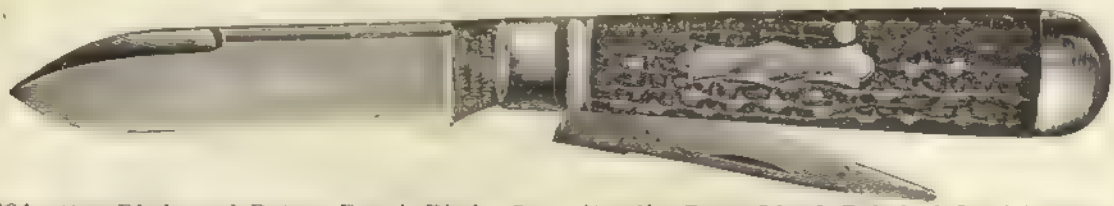
Per Dozen

No. E2602—Two Blades Ebony Handle, Brass Lined, German Silver Tips, Crocus Finish $11 00



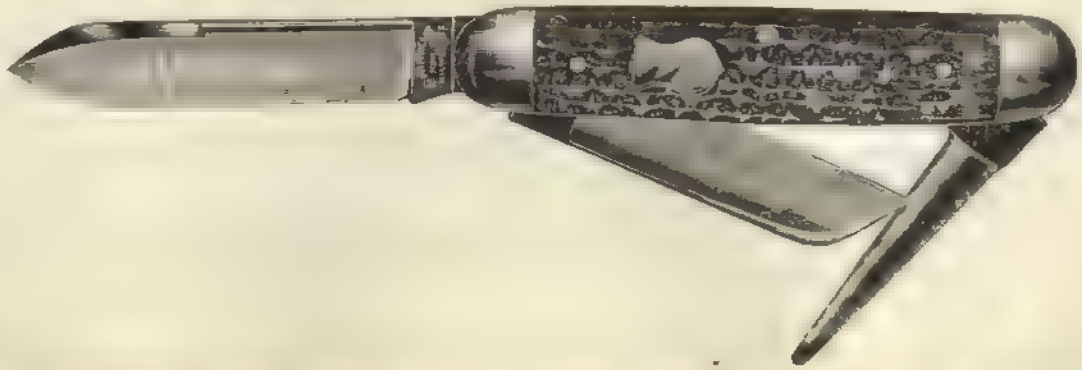
Per Dozen

No. E2672—One Blade and Patent Punch Blade Ebony Handle, Brass Lined Polished Steel Bolster, Crocus Finish $8.00



Per Dozen

No. E2684—One Blade and Patent Punch Blade, Stag Handle, Brass Lined, Polished Steel Bolster and Cap, Crocus Finish $10.00



Per Dozen

No. E3454—Two Blades Patent Punch Blade Stag Handle, Brass Lined, German Silver Bolsters, Crocus Finish $17 00

One-half Dozen in a Box.

DEPARTMENT NO. 8

POCKET AND TABLE CUTLERY

RAZORS, SCISSORS,
ETC.

JOHN PRITZLAFF HARDWARE CO.

MILWAUKEE, WIS.

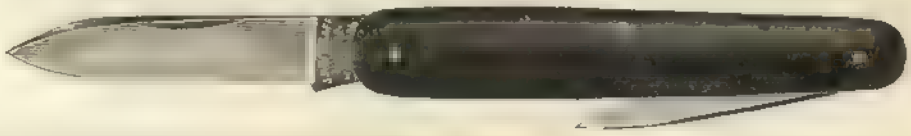
Pocket Knives.

PRITZLAFF ~~EVERSHARP~~ WARRANTED.

Cuts Full Size.

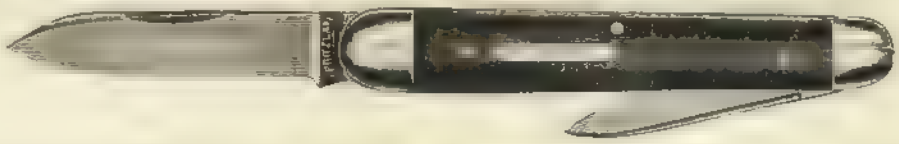
No. E2412—Two Blades Ebony Handle, Brass Lined Crocus Finish . . Per Dozen $7 00

No. E2417—Two Blades, Full Pearl Handle, Brass Lined Crocus Finish . . Per Dozen $15 00



No. E2852—Two Blades, Ebony Handle, Brass Lined, Crocus Finish . . . . . Per Dozen $7.50

No. E2854—Two Blades, Stag Handle, Brass Lined, Crocus Finish . . . Per Dozen $7 70



No. E2142—Two Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish Per Dozen $8 00

No. E2144—Two Blades, Stag Handle, Brass Lined, German Silver Bolsters, Crocus Finish . . Per Dozen $8 00

No. E2145—Two Blades, Smoke Pearl Handle, Brass Lined German Silver Bolsters, Crocus Finish Per Dozen $11 00

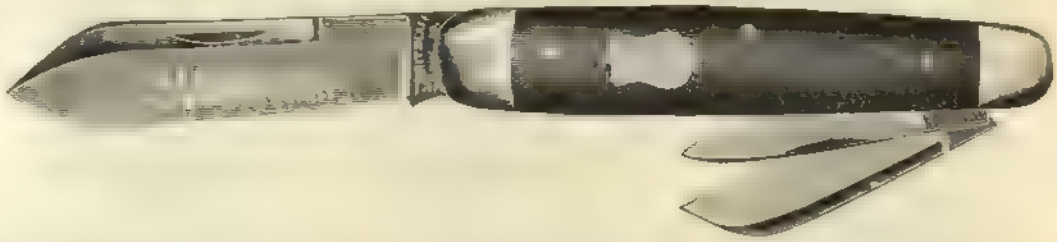
One-half Dozen in a Box.

Pocket Knives.

PRITZLAFF WARRANTED.

Cuts Full Size

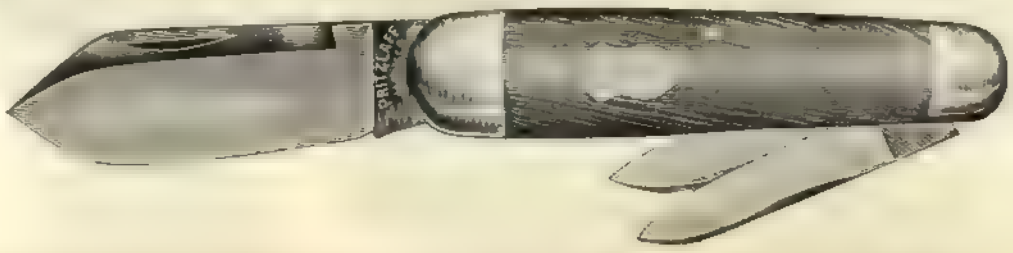
No. E312—Three Blades, Ebony Handle Brass Lined German Silver Bolsters, Crocus Finish. . . Per Dozen $12.50



No. E382—Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish. . . . . Per Dozen $13.00

No. E3424—Three Blades, Stag Handle, Brass Lined German Silver Bolsters, Crocus Finish Per Dozen $16.00

No. E3221—Three Blades, Cocoa Handle, Brass Lined German Silver Bolsters, Crocus Finish. . . Per Dozen $15.50



No. E321—Three Blades, Cocoa Handle, Brass Lined, German Silver Bolsters, Crocus Finish . Per Dozen $16.00

One-half Dozen in a Box.

Pocket Knives.

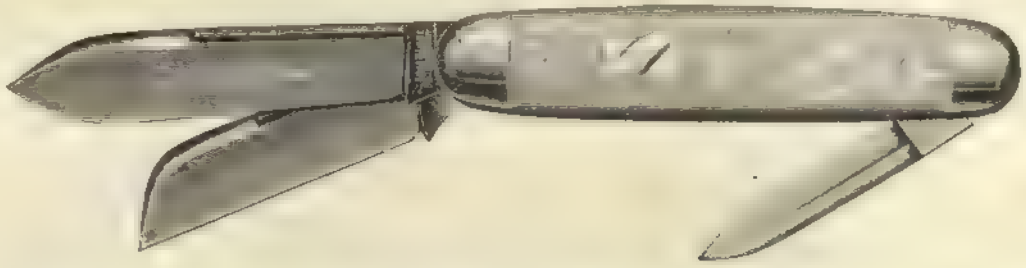
PRITZLAFF EVERKEEN WARRANTED.

Cuts Full Size.

No. E3442—Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish — Per Dozen $15 50

No. E3444—Three Blades, Stag Handle, Brass Lined, German Silver Bolsters, Crocus Finish — Per Dozen ..$16.00

No. E3212—Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish — Per Dozen .$14.00



No. E3217—Three Blades, Pearl Handle, Brass Lined, German Silver Bolsters, Crocus Finish — Per Dozen .$30.00

No. E3332

No. E3332—Three Blades, Ebony Handle, Three Spring, Brass Lined, German Silver Bolsters, Crocus Finish ..$17.00

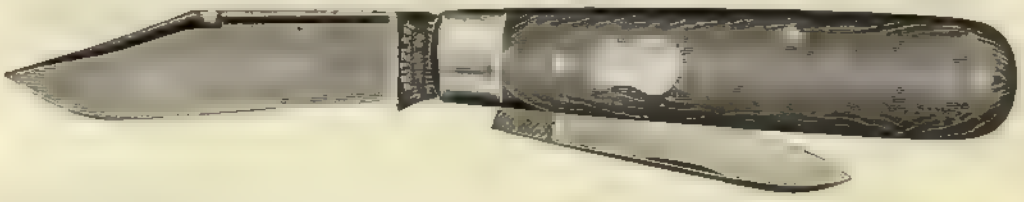
No. E3334—Three Blades, Stag Handle, Three Spring, Brass Lined, German Silver Bolsters, Crocus Finish 17 50

One-half Dozen in a Box.

Pocket Knives.

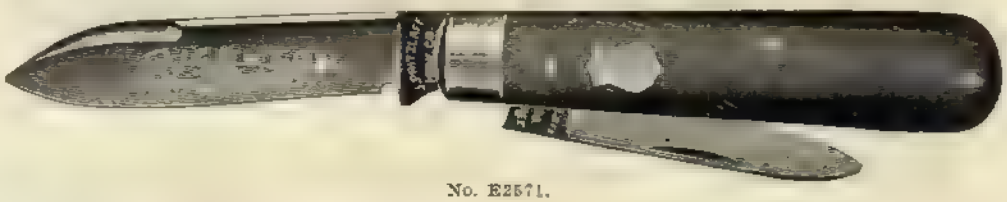
PRITZLAFF EVERKEEN WARRANTED.

Cuts Full Size.



No. E2551—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster . . . . . Per Dozen $6 00

No. E2554—Two Blades, Stag Handle, Steel Lined, Polished Steel Bolster . . . . . Per Dozen $6.75



No. E2571.

No. E2571—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster . . . . . Per Dozen $7.00
No. E2572—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster. 7.00

No. E2401—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster. . . . . Per Dozen .$7.20

No. E2902—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster. . . . . Per Dozen .$8.00

One-half Dozen in a Box

Pocket Knives.

PRITZLAFF EVERYDAY WARRANTED.

Cuts Full Size

Per Dozen

No. E2462—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, Crocus Finish . . . $8.00

No. E2481.

Per Dozen

No. E2481—Two Blades, Cocoa Handle, Brass Lined Polished Steel Bolster, Crocus Finish. . $8.00
No. E2482—Two Blades, Ebony Handle, Brass Lined, Polished Steel Bolster, Crocus Finish .. . 8.00

Per Dozen

No. E2492—Two Blades, Ebony Handle, Brass Lined, Polished Steel Bolster, Crocus Finish. . . $8.00

Per Dozen

No. E202—Two Blades, Ebony Handle, Steel Lined, Polished Steel Bolster. $9 00

One-half Dozen in a Box.

Pocket Knives.

PRITZLAFF [illegible] WARRANTED.

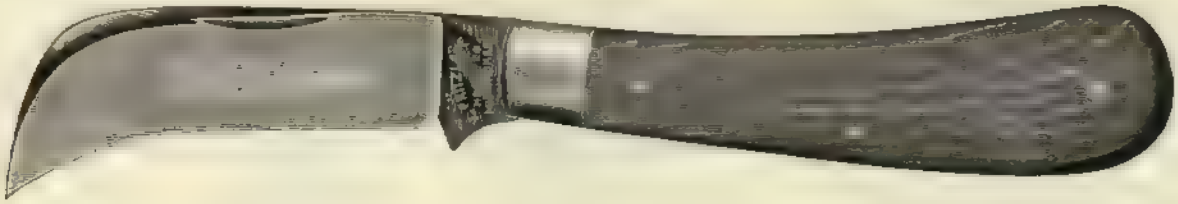
Cuts Full Size.

No. E164—One Blade, Stag Handle, Steel Lined, Polished Steel Bolster . . . . Per Dozen ..$4.00

No. E151—One Blade, Cocoa Handle, Steel Lined, Polished Steel Bolster . . Per Dozen .$2.50

No. E121 One Blade, Cocoa Handle, Steel Lined, Polished Steel Bolster, Crocus Finish . Per Dozen .$4.00

No. E131—One Blade, Cocoa Handle, Steel Lined, Polished Steel Bolster Per Dozen $4.00



No. E141—One Blade Pruning, Cocoa Handle, Steel Lined, Polished Steel Bolster . . . . . Per Dozen $8.00

No. E124—One Blade, Stag Handle, Steel Lined, Polished Steel Bolster, with Spring Lock Back.. Per Dozen $13.00

One-half Dozen in a Box.

Pocket Knives.

PRITZLAFF EVERKEEN WARRANTED.

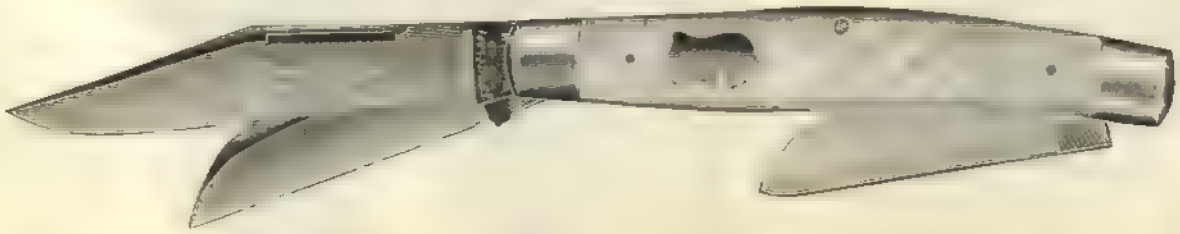
Cuts Full Size.

No. E3252—Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish — Per Dozen .$14.50

No. E3254—Three Blades, Stag Handle Brass Lined, German Silver Bolsters, Crocus Finish — Per Dozen $15.00

No. E3392—Three Blades, Ebony Handle, Brass Lined, German Silver Bolsters, Crocus Finish. . . $16.00 — Per Dozen

No. E3354—Three Blades, Stag Handle, Brass Lined, German Silver Bolsters, Crocus Finish. . . — Per Dozen .$15.50



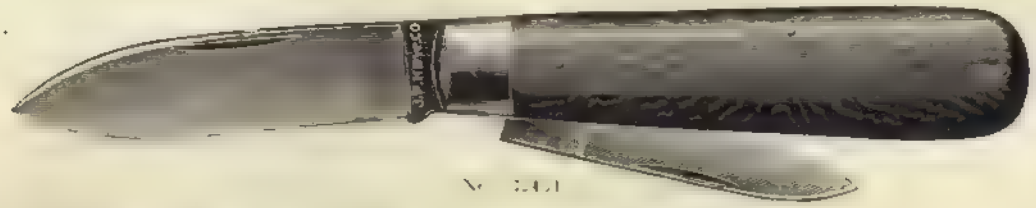
No. E3357—Three Blades, Pearl Handle, Brass Lined, German Silver Bolsters, Crocus Finish . — Per Dozen $36 00

Each if Dozen in a Box.

Pocket Knives.

PRITZLAFF EVERKEEN WARRANTED.

Cuts Full Size.

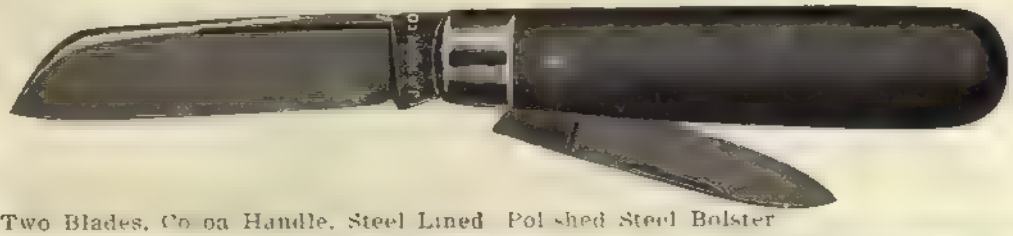


No. E2431

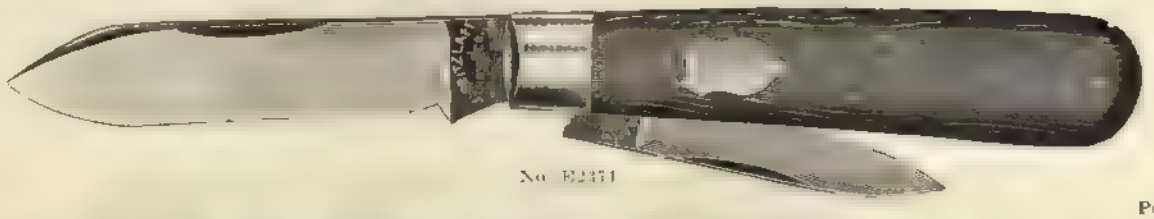
	Per Dozen
No. E2431—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster	$4.00
No. E2432—Two Blades, Ebony Handle, Steel Lined, Polished Steel Bolster	4.00

No. E2451

	Per Dozen
No. E2451—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster	$4 00
No. E2452—Two Blades, Ebony Handle, Steel Lined, Polished Steel Bolster	4 00

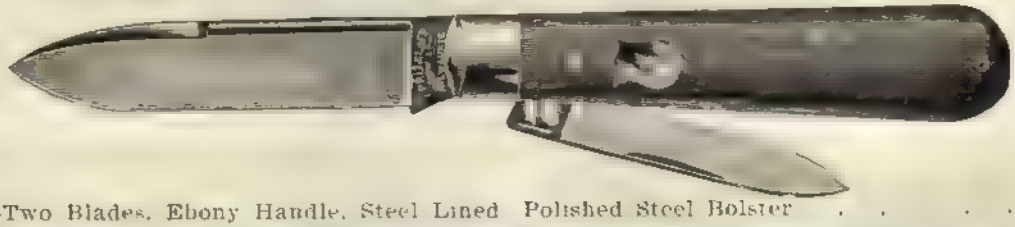


	Per Dozen
No. E2441—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster	$4 00



No. E2371

	Per Dozen
No. E2371—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster	$6 00
No. E2372—Two Blades, Ebony Handle, Steel Lined, Polished Steel Bolster	6 00



	Per Dozen
No. E2542—Two Blades, Ebony Handle, Steel Lined, Polished Steel Bolster	$6 00

	Per Dozen
No. E2641—Two Blades, Cocoa Handle, Brass Lined, Polished Steel Bolster	$6.00

One-half Dozen in a Box.

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size

No. 239—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster . . . . . Per Dozen $7.50

No. 2034 Two Blades Cocoa Handle, Brass Lined, German Silver Bolster, Crocus Finish. . . . . Per Dozen $ 8.00

No. 237—Two Blades, Stag Handle, Brass Lined, German Silver Bolster, Crocus Finish . . . . . Per Dozen $8 50

No. 6376—Two Blades, Horn Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. . . . Per Dozen $8.75

No. 242—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. . Per Dozen $8.00

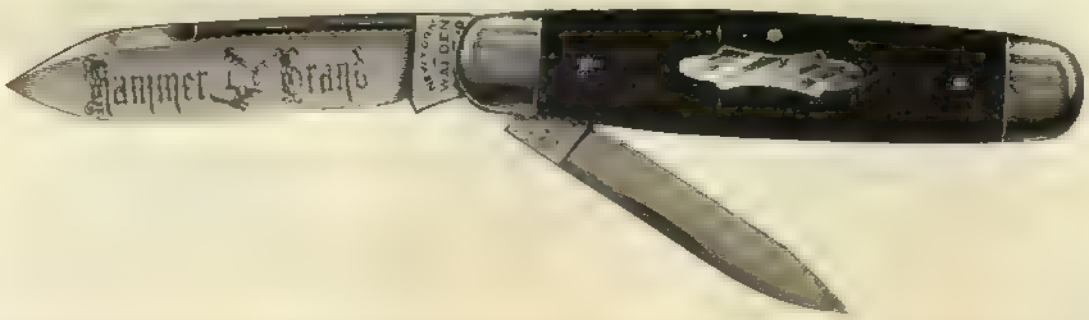
No. 2288—Two Blades, Stag Handle, Brass Lined, Polished Steel Bolster and German Silver Cap, Crocus Finish . . . . . Per Dozen $10.00

One-half Dozen in a Box.

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size.



No. 2206—Two Blades Ebony Handle Brass Lined, German Silver Bolster and Cap, Crocus Finish — Per Dozen $10.00

No. 2203—Two Blades, White Bone Handle, Brass Lined, German Silver Bolster and Cap .. . . . — Per Dozen $11.50

No. 2710—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap..... — Per Dozen $11.50

No. 2073—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap ..... — Per Dozen $8.75

No. 2094—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap.. . . — Per Dozen $11.50

One-half Dozen in a Box.

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

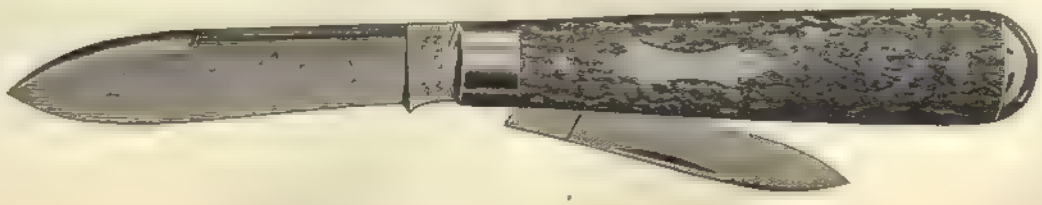
Cuts Full Size

No. 2170—Two Blades, White Bone Handle, Brass Lined, German Silver Bolster and Cap. . Per Dozen $10.00

No. 2369—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. Per Dozen $9.00

No. 2357—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap . . . . . Per Dozen $7.00

No. 2332—Two Blades, Cocoa Handle Brass Lined, German Silver Bolster and Cap, Crocus Finish .$8 00 Per Dozen



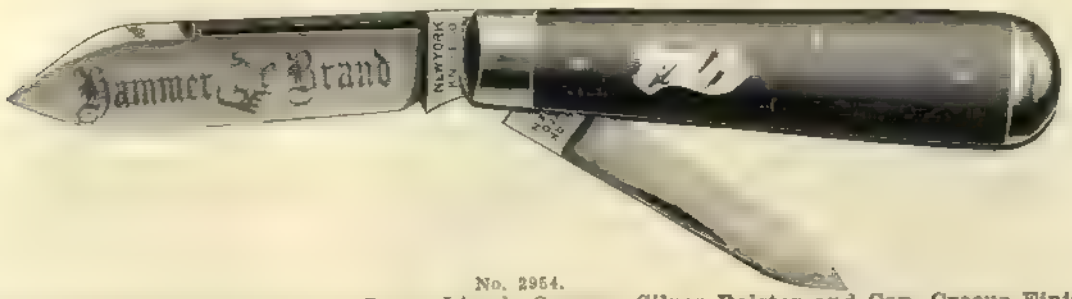
No. 2335 —Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish . $8.00 Per Dozen

One-half Dozen in a Box.

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size



No. 2954.

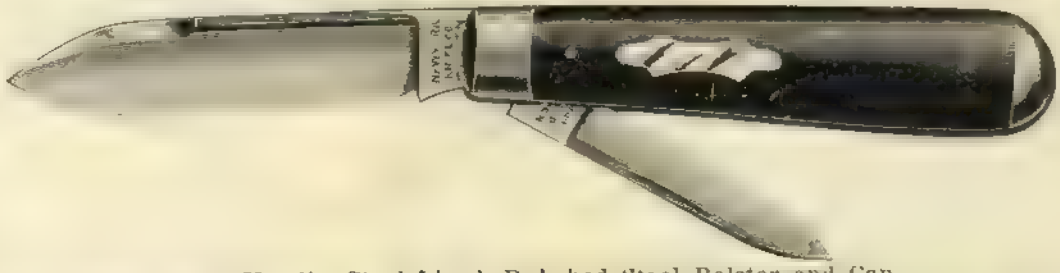
Per Dozen

No. 2954—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish..$8.40

No. 2953—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish.. 8 40

Per Dozen

No. 2957 Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. ..$8 75

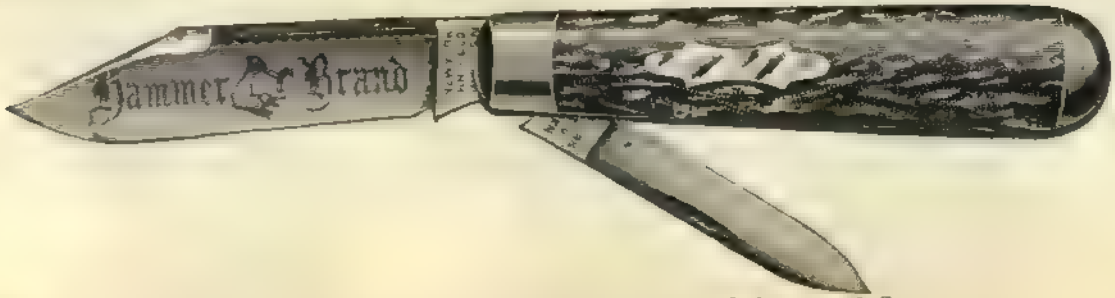


Per Dozen

No. 2223—Two Blades Ebony Handle Steel Lined, Polished Steel Bolster and Cap .. . $7.00

Per Dozen

No. 2226—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap $9.00



Per Dozen.

No. 2229—Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap..... ..$9 50

One-half Dozen in a Box.

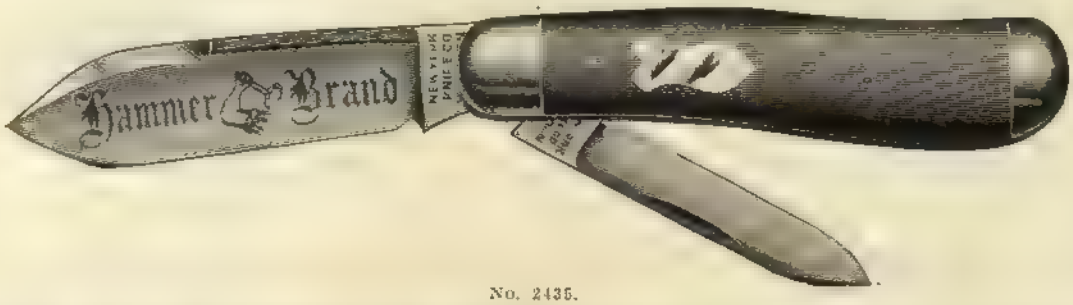
Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size

Per Dozen

No. 2636—Two Blades, Ebony Handle, Steel Lined, Polished Steel Bolster and Cap. $8.00



No. 2435.

Per Dozen

No. 2435—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. $10.00
No. 2437—Two Blades, White Bone Handle, Brass Lined, German Silver Bolster and Cap. 10.50

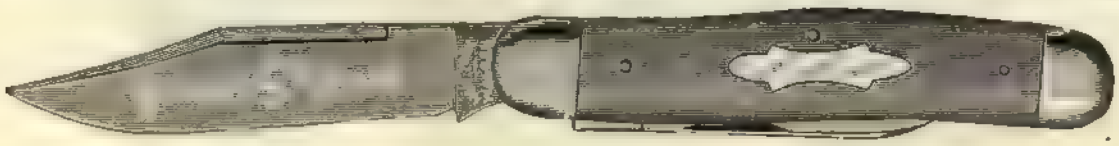
Per Dozen

No. 2432—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. $10.00

No 2835

Per Dozen

No. 2835—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap $11.00
No. 2536—Two Blades, Ebony Handle, Brass Liued, German Silver Bolster and Cap, Crocus Finish.. 11.50



Per Dozen

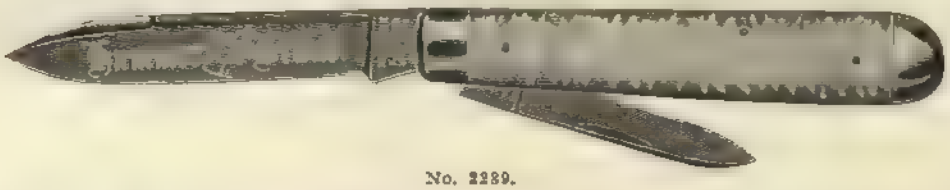
No. 2726—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. . $11.00

One-half Dozen in a Box.

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size



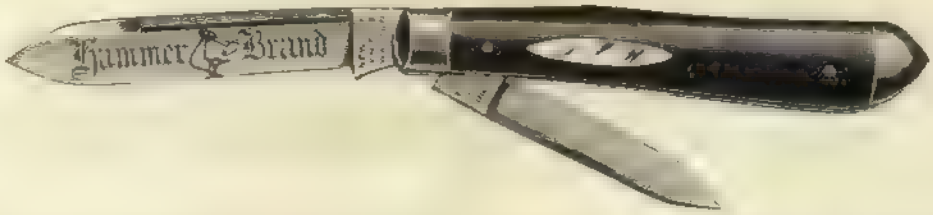
No. 2289.

Per Dozen

No. 2289—Two Blades, Pearl Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish..$20.00
No. 2287—Two Blades, White Bone Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish 10.00

Per Dozen

No. 2077—Two Blades, Horn Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish....$8.00

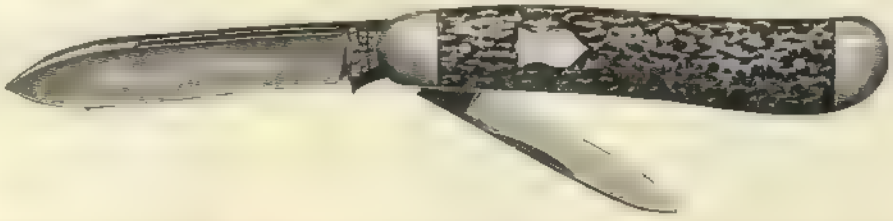


Per Dozen

No. 2052—Two Blades, Horn Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. ...$9.00

Per Dozen

No. 646—Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish $8 50



Per Dozen

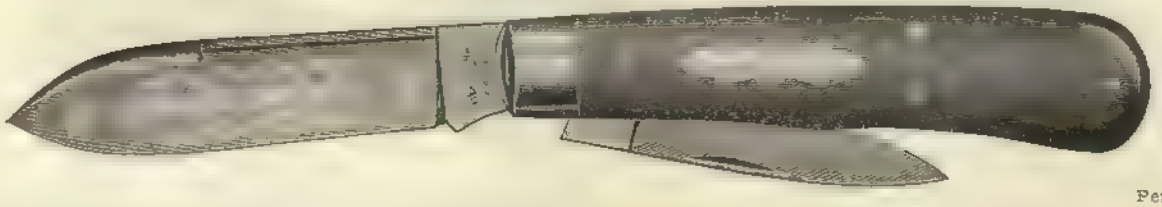
No. 637—Two Blades, Stag Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish.... $8.40

One-half Dozen in a Box

Pocket Knives.

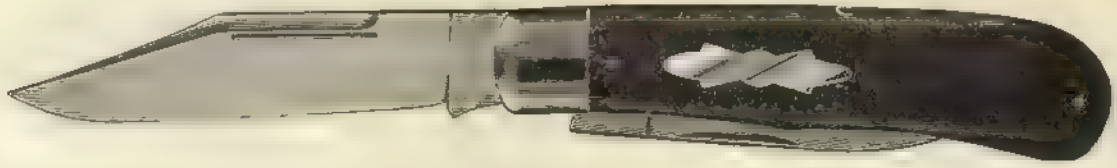
NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size



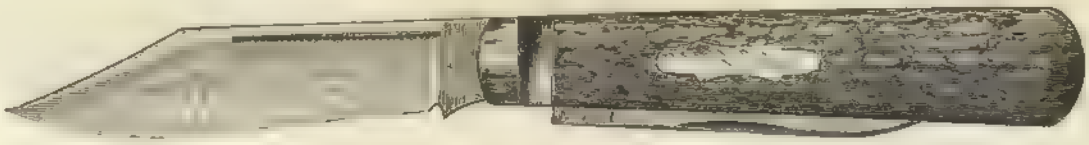
Per Dozen

No. 2413—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster.....$9.50



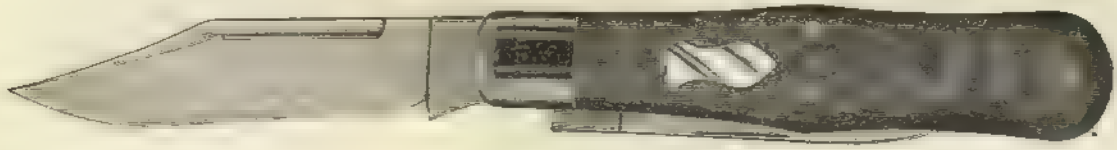
Per Dozen

No. 2153—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster $8 75



Per Dozen

No. 2933—Two Blades, Stag Handle, Brass Lined, Polished Steel Bolster, Crocus Finish $8.40



Per Dozen

No. 2790—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster.....$10.50

Per Dozen

No. 2916—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster $9.00

One-half Dozen in a Box

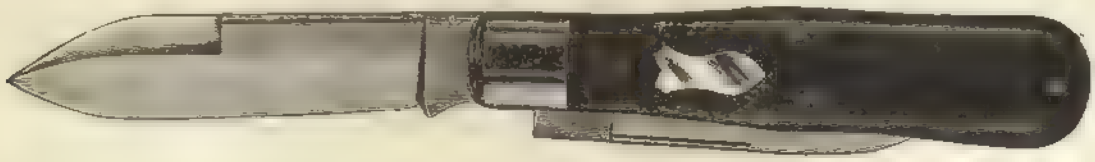
Pocket Knives.

NEW YORK KNIFE CO.'S. WARRANTED.

Cuts Full Size.

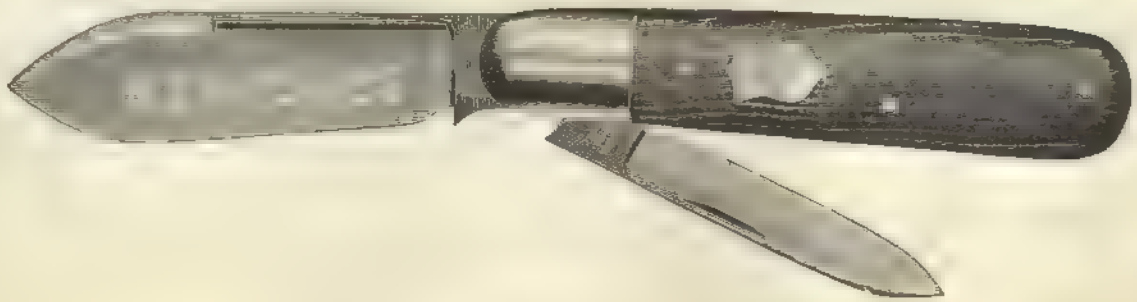
Per Dozen
No. 2295—Two Blades, Ebony Handle, Brass Lined German Silver Bolster, Crocus Finish . . $8 50

Per Dozen
No. 2296—Two Blades, White Bone Handle, Brass Lined, German Silver Bolster $10.00



Per Dozen
No. 2109—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster $10.00

Per Dozen
No. 2240—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster . $12 00



Per Dozen
No. 275—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster, Crocus Finish $12.00

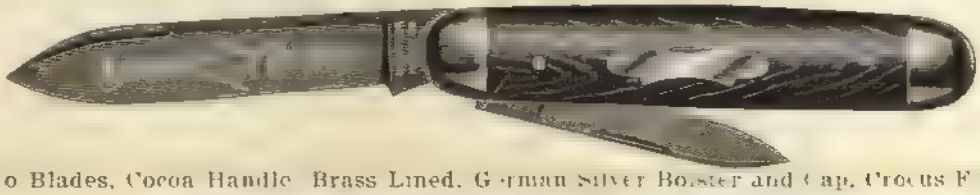
One-half Dozen in a Box

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size

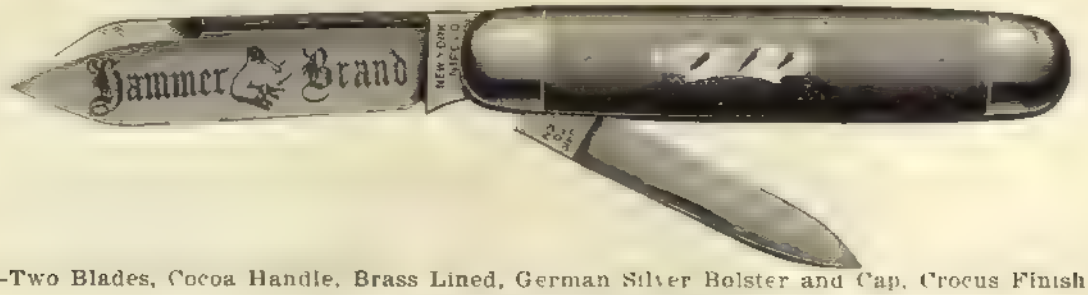
Per Dozen
No. 2872—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish. .$9.50



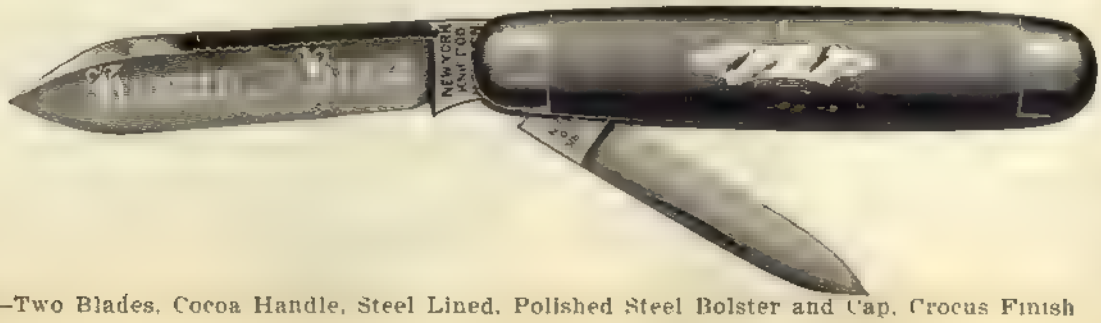
Per Dozen
No. 2420—Two Blades, Cocoa Handle Brass Lined, German Silver Bolster and Cap, Crocus Finish $8.00

Per Dozen
No. 6037—Two Blades, Ebony Handle Brass Lined, German Silver Bolster and Cap, Crocus Finish .$8.00

Per Dozen
No. 2525—Two Blades Cocoa Handle, Brass Lined, German Silver Bolster and Cap $8.50



Per Dozen
No. 2925—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish...$9.50



Per Dozen
No. 228—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster and Cap, Crocus Finish ...$8.00

One-half Dozen in a Box

Pocket Knives.

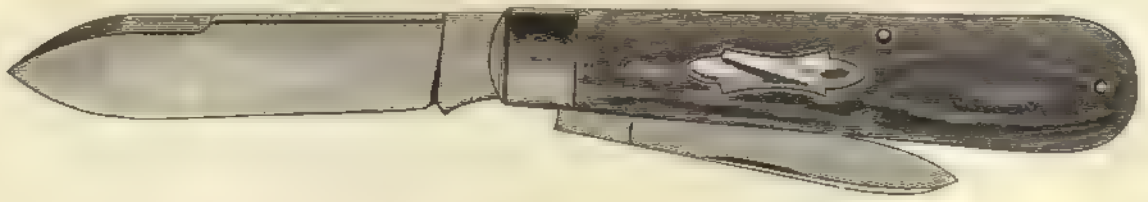
NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size

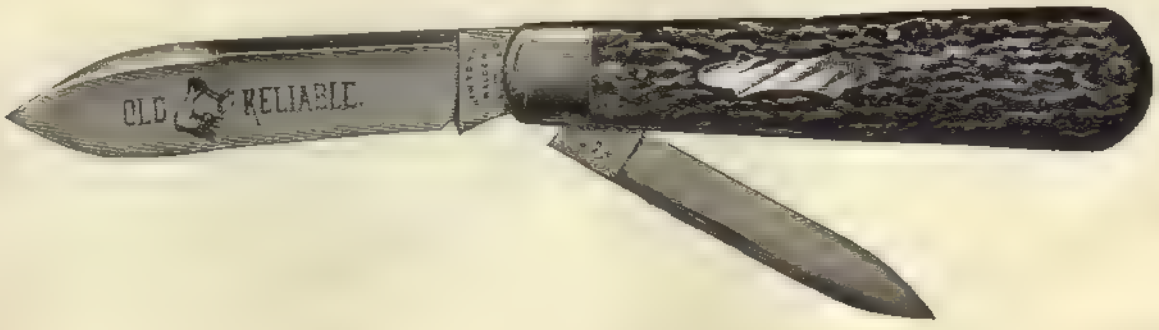
No. 2747—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster, Crocus Finish . . . . . Per Dozen .$8.00

No. 2495—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster. . . . . Per Dozen .$8 00

No. 2091—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster. . . . . Per Dozen $10.00



No. 2493—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster, Crocus Finish Per Dozen .$8.75



No. 2764—Two Blades, Stag Handle, Steel Lined, Polished Steel Bolster. . . . . Per Dozen $8 00

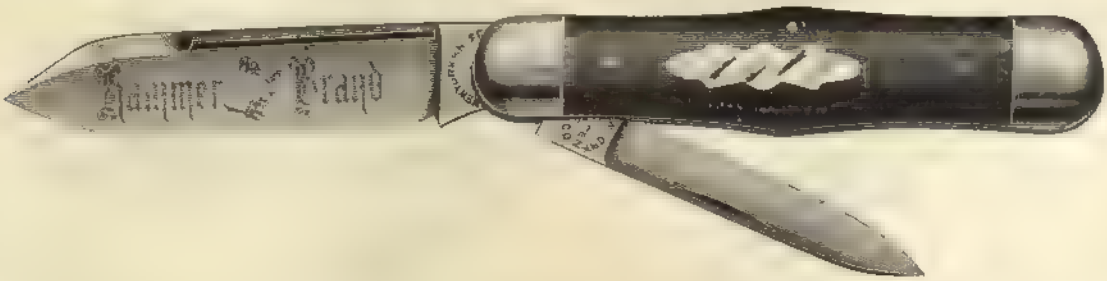
One-half Dozen in a Box.

Pocket Knives.

NEW YORK KNIFE CO.'S, WARRANTED.

Cuts Full Size

Per Dozen
No. 2515—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster and Cap. $12.00



Per Dozen
No. 2602—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish..$11.00

Per Dozen
No. 2531—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap. $11.00

Per Dozen
No. 2706—Two Blades, Ebony Handle, Brass Lined, German Silver Bolster and Cap, Crocus Finish .$10.00

Per Dozen
No. 2708—Two Blades, Stag Handle, Brass Lined, Polished Steel Bolster and Cap, Crocus Finish...$10.50

One-half Dozen in a Box

Pocket Knives.

NEW YORK KNIFE CO.'S. WARRANTED.

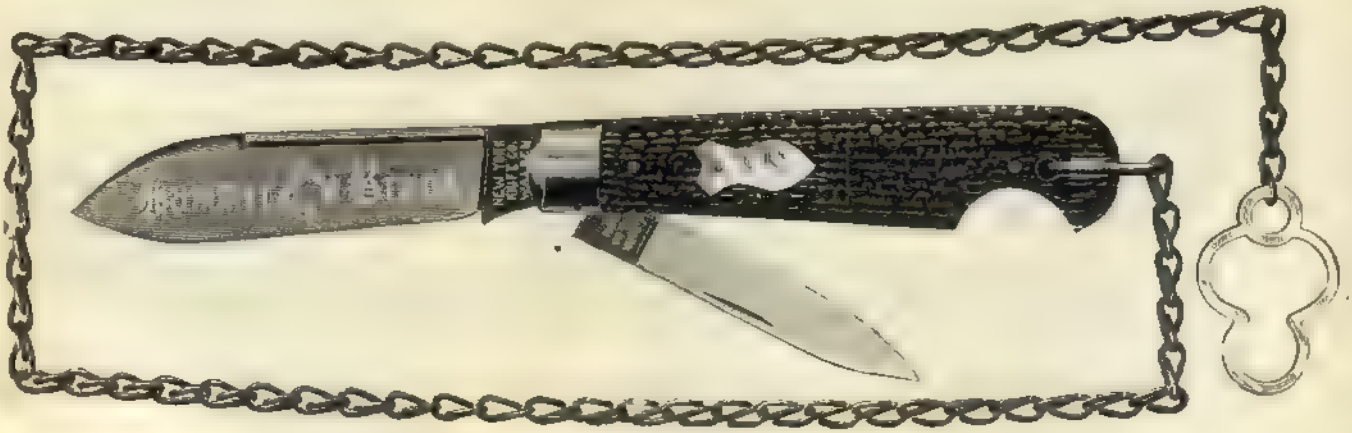
Cuts Full Size

Per Dozen

No. 254—Two Blades, Cocoa Handle, Brass Lined, German Silver Bolster $11.00

Per Dozen

No. 2749—Two Blades, Cocoa Handle, Steel Lined, Polished Steel Bolster and Cap, 18 in Nickel Plated Chain $8.00



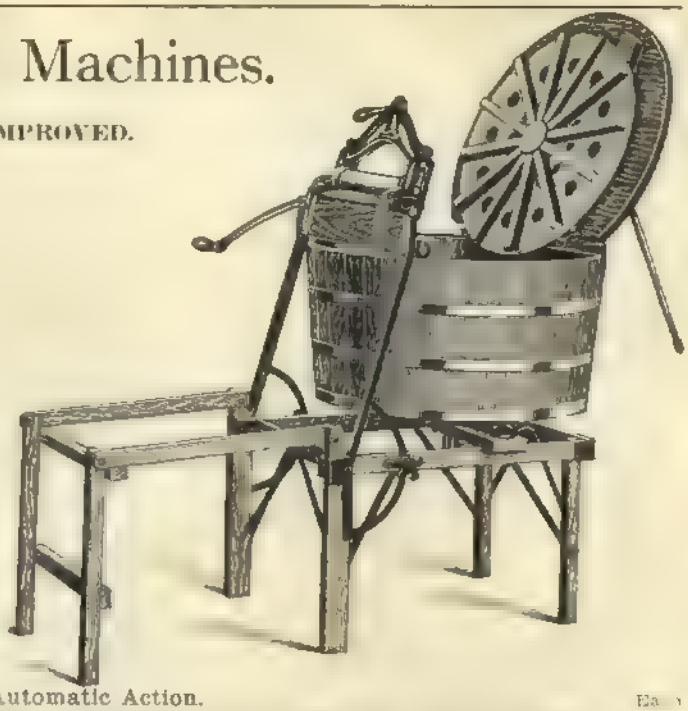
Per Dozen

No. 6026—Two Blades, Stag Handle, Brass Lined, German Silver Bolster, Crocus Finish, 18 in. Nickel Plated Chain $8.00

One-half Dozen in a Box

Washing Machines.

ACME IMPROVED.



Ball Bearing, Automatic Action.

Improved Acme Round, Family Size Large Tub, Made of the Highest Grade Selected Virginia White Cedar, Finished in Oil and Varnished, Iron Parts Exposed to Action of Water, Heavily Galvanized, Top Rubber Board Adjusts Itself to the Amount of Clothing in Machine and the Tub Revolves Around It, Adjustable Extension Stand for Tub or Basket Swinging Wringer Stand for Holding Wringer, Well Braced Frame..... $12 00

The Machine operates on ball bearings and in turning to the right or left engages coil springs, as shown in the cover, which assist the operator greatly, making the action practically automatic. In fact the machine works so easily that a small child can run it without the least trouble or exertion. The tub revolves about half way round. The rubber which rests on the clothes remains stationary and because of the force through same is brought or sucked down on the clothes. The movement of the tub from side to side sends the water through the clothes in a violent manner and in connection with the rubbers at the top and bottom of the tub does the work and washes the clothes clean in a very few minutes.

Weight Each 80 Pounds.

ACME SPECIAL.

Ball Bearing, Automatic Action

Acme Special Round, Family Size, Large Tub, Made of the Highest Grade Selected Virginia White Cedar, Finished in Dark Stain and Varnished, Galvanized Hoops, Malleable Iron Castings, Top Rubber Board Adjusts Itself to the Amount of Clothing in the Machine, and the Tub Revolves Around It, Hard Maple Tripod Frame, with Malleable Head $9.00

It will be seen at a glance that the Acme Special Washer is but a modification of the Improved Acme shown on top of page. This new style is produced for the benefit of those who desire a machine which will work in exactly the same perfect and satisfactory manner as the Improved Acme, and yet do not care to pay the price made necessary by the Bench and Wringer Attachments added to the latter machine.

Weight Each 65 Pounds.

One in a Crate

Washing Machines.

PRITZLAFF'S BRILLIANT.

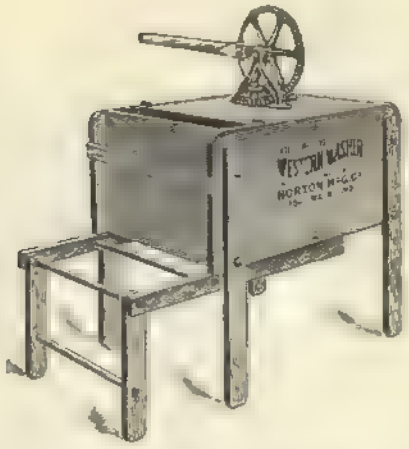
Each

No. 1—Medium Size, Double Action, Double Rubber Pattern Best Grade Louisiana Cypress, Heavy Galvanized Steel Bottom, Castings and Bolts that Come in Contact with Water are Galvanized, Large Balance Wheel, Weight Each 90 Lbs..... $ 9.50

No. 2—Large Size, Double Action, Double Rubber Pattern, Best Grade Louisiana Cypress Heavy Galvanized Steel Bottom, Galvanized Malleable Iron Castings, Large Balance Wheel, Weight Each 95 Lbs..... 10.50

By lifting the lower cylinder and allowing it to hang on upper cylinder the whole machine can easily be cleaned wiped and dried.

WESTERN.



Per Dozen

No. 2—Square, Family Size, Corrugated Bottom and Sides, Japanned Iron Castings, Made of Clear Material and Well Finished, Weight Each 60 Lbs..... $60.00

No. 3—Square, Large Size, Corrugated Bottom and Sides, Japanned Iron Work, Made of Clear Material and Well Finished, Weight Each 65 Lbs..... 63.00

One in a Crate.

AMERICAN.

Per Dozen

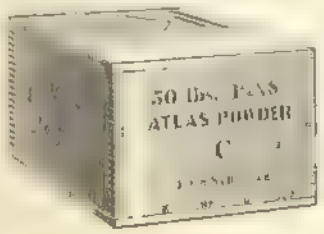
No. 4—Round, Family Size, Corrugated Bottom and Sides, Japanned Iron Casting, Made of Louisiana Cypress and Well Finished in Natural Wood, Weight Each 50 Lbs..... $60.00

Dynamite.

Dynamite, Dynamite Caps and Electrical Fuzes are not Carried in Stock.

AETNA.

DUPONT.



Standard Size of Cartridge $1\frac{1}{4}$x8 in.

Per Cent		30	40	50	60
Nitro Glycerine Brands	Per 100 Lbs.	$19.00	20.50	22.00	25.00
Ammonia Low Freezing Brands	Per 100 Lbs.	18.00	19.50	21.00	24.00

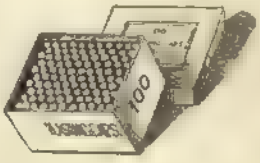
25 and 50 Pounds in a Box

We can furnish Aetna or Dupont either in Nitro Glycerine or Ammonia Low-Freezing Brands

Dynamite and Powder can be shipped together, but under no circumstances can they be shipped with Dynamite Caps, Electrical Fuzes or any other goods. Dynamite and Powder cannot be shipped by Express or Boat. Dynamite takes Double First Class Rates. Dynamite in Lots of 200 Pounds and Over will be shipped Freight Prepaid, Less than 200 Pounds, F. O. B. nearest distributing point.

Can ship Dynamite from Romeo, Ill., Fond du Lac, Wis., Grand Rapids, Wis., Barksdale, Wis., Rice Lake, Wis., Minneapolis, Minn., Monroe, Mich., Saginaw, Mich., Iron Mountain, Mich., Marquette, Mich., and Ashburn, Mo.

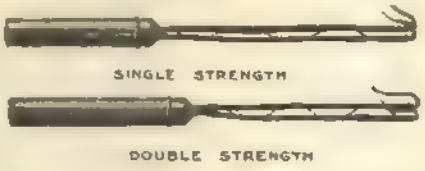
Dynamite Caps.



	Per 100
No. XXXXX—Dynamite Caps	$1.50
No. XXXXXX—Dynamite Caps	1.70

100 in a Metal Box.

Electrical Fuzes.



Length Wire, Feet	4	6	8	10	12
Single Strength..Per 100,	$3.00	3.54	4.08	4.62	5.16
Double Strength Per 100,	3.50	4.04	4.58	5.12	5.66

Dynamite Caps and Electrical Fuzes cannot be shipped with either Dynamite or Powder, nor with other Goods, but in all cases must be shipped alone by Freight. This frequently is the cause that our customers receive a shipment of Dynamite one day and the Dynamite Caps 2 or 3 days later, but same cannot be avoided.

Electrical Fuzes and Dynamite Caps take Double First Class Rate in Lots less than 100 Pounds. Can ship from Romeo, Ill., Fond du Lac, Wis., Grand Rapids, Wis., Barksdale, Wis., Minneapolis, Minn., Monroe, Mich., Saginaw, Mich., and Ashburn, Mo.

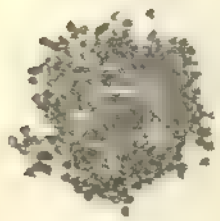
Safety Fuse.

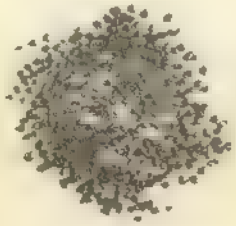
	Per Feet
Beaver—(Hard Yellow Countering) Waterproof Fuse, for Use in Wet Ground	$7.00
Anchor—(Hard White Countering) Waterproof Fuse, for Use in Very Wet Ground	8.50

Cap Crimpers and Fuse Cutters.

	Per Dozen
No. 1—Combination Crimper and Cutter, Nickel Plated	$6.00

Black Gun Powder.


FG


FFG

FFFG

	Each		
Kegs—25 Lbs., (FG, FFG, FFFG)	$7.50	**One Pound Cans**—(FG, FFG, FFFG)	$0 45
½ Kegs—12½ Lbs., (FG, FFG, FFFG)	4.00	**Half Pound Cans**—(FG, FFG, FFFG)	2
¼ Kegs— 6¼ Lbs., (FG, FFG, FFFG)	2.25		

Can Ship from Fond du Lac, Wis., Des Moines, Ia., Detroit, Mich., Duluth, Minn., Minneapolis, Minn., Omaha, Neb., and St. Louis, Mo.

TO LOAD SMOKELESS POWDER.

For the information of those wishing to load Smokeless Powders in shells manufactured for use with **Bulk Smokeless Powders**, by either the Winchester or U. M. C. Companies, we must call particular attention to the fact that all **Bulk Smokeless Powders should** be loaded by measure and not by weight. Any measure that can be used for loading Black Powder can be used equally satisfactorily for the purpose of loading **Bulk Smokeless Powders.**

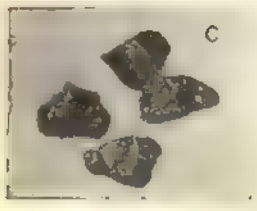
Dupont Smokeless, "New E. C. Improved," "New Schultze" and **Dead Shot Smokeless** are **Bulk Smokeless Powder, and should be loaded by measure and not by weight.**

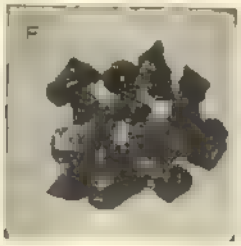
Dense Smokeless Powders, such as **"Infallible" Smokeless, Ballistite** and **Walsrode** must always be loaded by weight and not by measure.

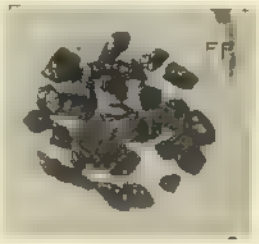
In the following tables are given the number of grains of the above **Dense Smokeless Powders** equivalent in strength to the same loads of **Bulk Smokeless Powders** or **Black Powder.**

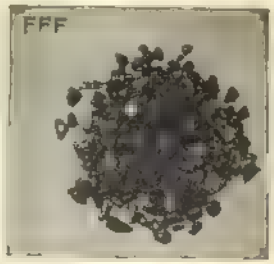
"Infallible"	Ballistite		
16 Grs.	16 Grs.	Equivalent in Strength to	2 Drams of Black Powder.
18 Grs.	18 Grs.	" "	2¼ Drams of Black Powder.
20 Grs.	20 Grs.	" "	2½ Drams of Black Powder.
22 Grs.	22 Grs.	" "	2¾ Drams of Black Powder.
24 Grs.	24 Grs.	" "	3 Drams of Black Powder.
26 Grs.	26 Grs.	" "	3¼ Drams of Black Powder.
28 Grs.	28 Grs.	" "	3½ Drams of Black Powder.
30 Grs.	30 Grs.	" "	3¾ Drams of Black Powder.

Blasting Powder.


C


F


FF


FFF

Blasting Powder—In 25 Lb. Kegs, C, F, FF, FFF.. . . . . $3 0

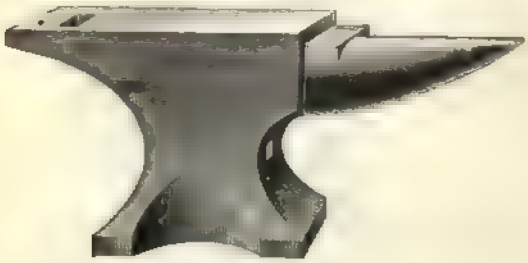
Can Ship from Romeo, Ill., Springfield, Ill., Mooar, Ia., Fond du Lac, Wis., Des Moines, Ia., Grand Rapids, Mich., Monroe, Mich., Minneapolis, Minn., Duluth, Minn., and St. Louis, Mo.

Blasting and Black Gun Powder cannot be Packed with other Goods, nor can it be sent by Boat or Express, but Must be Shipped by Freight

Anvils.

AMERICAN.

BLACKSMITHS'.



Wrought Iron Body, Solid Steel Face

	Per Pound
Weights, Assorted, 70 to 84 Lbs.	$0.16
Weights, Assorted, 85 to 300 Lbs.	.14

HORSESHOERS'.

Wrought Iron Body, Solid Steel Face

	Per Pound
Weights, Assorted, 150 to 200 Lbs.	$0.16

VULCAN.

Cast Iron Body, Cast Steel Face.

Nos.	00	0	1	2	3	4	5	6	7
Weights, Lbs.	5	10	15	20	30	40	50	60	70
Each	$2.00	2.75	3.25	4.00	4.50	5.25	6.00	6.50	7.25
Nos.		**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Weights, Lbs.		80	90	100	110	120	130	140	150
Each		$8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00

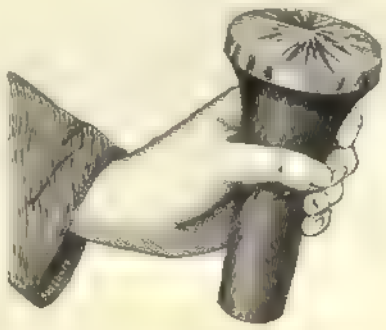
FARMERS'.

Solid Cast Converted Steel.

Weight Each Lbs.	50	70	100
Per Pound	$0.08	.08	.08

These Anvils are not intended for Mechanics but are suitable for Farmers and Horse[illegible]

PLOW.



	Per Dozen
No. 10—Howell's Pattern. Solid Steel. Japanned, Polished Face, Weight Each 4 Lbs.	$5.00

Foot Ball Clothing.

UNION SUITS.

Cane Thighs, Padded Hips and Knees. Jacket Reinforced Around Armholes, Elastic Belt.

	Per Suit
No. 0139—Army Khaki, Tan Color	$5.00
No. 0651—Khaki Duck	4.00
No. 0137—Khaki Colored Canvas	3.50
No. 0136—White Canvas	3.00

JACKETS.

Laced Front Sleeveless, Elastic Belt.

	Each
No. 0131—Army Khaki, Tan Color	$1.25
No. 0129—Khaki, Tan Color	.50
No. 0128—White Canvas	.40

Pants.

COLLEGE STYLE.

Cane Thighs, Inside Hip and Knee Pads.

	*Per Pa
No. 0115—Genuine Army Khaki, Tan Color	$2.25
No. 0649—Heavy Khaki Duck	1 75
No. 0109—Khaki Colored Canvas	1 25

BOYS' STYLE.

Quilted Thighs, Hip and Knee Pads.

	Per Pair
No. 0647—Heavy Khaki Duck	$1.25
No. 0107—Khaki Colored Canvas	1 00
No. 0104—Heavy White Drilling	.75

Foot Ball Pads.

ELBOW.

	Per Pair
No. 0150—Second Grade, Khaki Duck	$0.25
No. 0152—Black Napa Leather, Hair Padded	.50

SHOULDER.

	Per Pair
No. 0151 Second Grade Khaki Duck	$0.25
No. 0153—Black Napa Leather, Hair Padded	.50

All Goods on this Page Made to Order and Shipped F. O. B. Chicago.

Foot Ball Shoes.

Per Pair

No. 1361—Golden Goodyear Welt, Hand Sewed Process) Genuine Kangaroo, Oak Soles Steel Plates and Brown Cleats . . . $4.50

No. 1564—Golden Machine Sewed, Black Leather Uppers, Leather Sole, Steel Plates, Brown Cleats $3.50

When Ordering, Specify Size Wanted.

Basket Ball Shoes.

Per Pair

No. 1438—Drab Canvas Uppers, Composition Rubber Soles $1 80

No. 1443—Goodyear Kangaroo Uppers, Rubber Soles 3 70

When Ordering, Specify Size Wanted.

Basket Ball Pads.

No. 0166

No. 5209.

No. 5208.

Per Pair

No. 0166—Knee Pads, Khaki Cloth, Thick Felt Lining, Adjustable Straps . . $0 50

No. 0167—Knee Pads, Black Napa Leather Thick Felt Lining, Adjustable Straps 1.00

Per Pair

No. 5209—Knee Pads, Khaki Cloth, Felt Lined, 3 in. Elastic at Top, 2 in. Elastic at Bottom $1.00

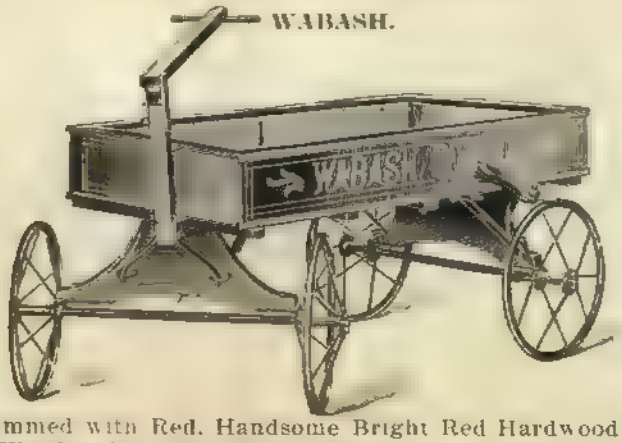
Per Pair

No. 5208—Knee Pads, Black Napa Leather, Felt Lined, ½ in. Truss Elastic . . $1.25

All Goods on this Page Made to Order and Shipped F. O. B. Chicago.

Coaster Wagons.

WABASH.



Natural Wood Body, Trimmed with Red. Handsome Bright Red Hardwood Gear, Wabash Wheels.

	Each
No. 37—Box 34x16x5 in., Wheels All 11 in., Steel Tires	$5 90
No. 370—Box 34x16x5 in., Wheels All 11 in., ½ in. Rubber Tires	7.40

Farm Wagons.

WABASH.

Selected Cottonwood Box, Well Seasoned Hardwood Gear, Wabash Wheels, End Boards, End Rods Reach and Fifth Wheel, Carefully Finished and Painted, with Hand Striping and Scroll

	Each
No. 32—Box 34x16x5½ in., Wheels 11 and 15 in., Steel Tires	$6.50
No. 320—Box 34x16x5½ in., Wheels 11 and 15 in., ½ in. Rubber Tires	8.50

	Each		Each
Extra Seats, for Nos 32 and 320	$0 85	Extra Shafts, for Nos 32 and 320	$0 85

WABASH HANDY.

Hardwood Box, Finished Inside Red, Outside Green, Extra Heavy Hardwood Gear, Fully Ironed, Large Malleable Iron Fifth Wheel, Steel Braces, Extra Heavy Wabash Wheels, T Steel Rims, 1¼ in. Across Tread, Bright Vermilion Finish.

	Each
No. 41—Box Measurements without Side Boards 40x18x6½ in., Wheels 11 and 15 in., Steel Tires, with Hand Pull Tongue, Seat, Sideboards, End Gate and Shaft for Dog or Goat	$14.00

	Each		Each
Extra Seats, for No. 41 Wagon	$1 00	Extra Shafts, for Dog or Goat	$1.00
Extra Sideboards and End Gates	1 00	Extra Pole, with Doubletree	1.00

Express Wagons.

BUSTER BROWN.

All Steel, Varnished Throughout, Inside and Outside Gold Trimmings, Two Color Block Letters, Heavy Wrought Iron Brace from Rear of Axle to Bottom of Body.

Nos.	A	B	C	D	E	F	G	H
Body, Inches	9x18	10x20	11x22	12x24	13x26	14x28	15x30	18x36
Front Wheels, Inches	6	7	8	8	10	11	12	14
Rear Wheels, Inches	9	10	11	12	13	14	15	18
Weight Per Dozen, Lbs.	80	88	92	152	180	196	216	380
Per Dozen	$12.50	14.00	15.50	19.00	22.50	25.00	27.50	48.00

Nos. A. to G, One-quarter Dozen; No H, One-twelfth Dozen in a Crate.

Coaster Wagons.

BADGER.

Well Seasoned Hardwood Body, Extra Heavy Wheels with Shaved Spokes, 1x1½ in. Bent Rock Elm Rims, ¾x⅞ in., Wrought Steel Tires, Welded and Shrunk On, Steel Caps and Bands on Hubs, Selected Stock Gear Securely Braced to Body, Round Steel Axles, Body and Gear Varnished on the Natural Wood, Decorated in Red and Black, Wheels Painted Bright Red.

Stationary Box, Steel Tires.

	Per Dozen
No. 302½—Box 13x28 in., Wheels 8 in	$32 00

Removable Box, Steel Tires.

	Per Dozen
No. 303—Box 14x32 in., Wheels 10 in.	$48 00
No. 304—Box 16x36 in., Wheels 10 in.	60 00
No. 305—Box 18x40 in., Wheels 10 in.	72.00
Seats—For Any Size	Per Dozen $7 50

Removable Box, Rubber Tires.

	Per Dozen
No. 303½—Box 14x32 in., Wheels 10 in	$ 78 00
No. 304½—Box 16x36 in., Wheels 10 in.	88 00
No. 305½—Box 18x40 in., Wheels 10 in	102 00

	Per Set of 4
Steel Tire Wheels—10 in., for Nos. 303, 304 and 305 Coaster Wagons	$2.00
Rubber Tire Wheels—10 in., for Nos. 303½, 304½ and 305½ Coaster Wagons	4 30
Steel Sleigh Runners—To Fit Any Size	2.50

Single Bitted Axes.

BADGER STATE.

Yankee Pattern.

Michigan Pattern.

Badger State—Cast Steel, Gold Bronzed, Polished Head, Yankee and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$10.00
Group No. 2—Consisting of 3½ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	10.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	11.00

One Dozen in a Box.

Single Bitted Axes.

COLLINS' EBONITE.

Wisconsin Pattern.

Michigan Pattern.

Collins' Ebonite—Extra Quality Steel, Inserted Tool Steel Bit, Gun Metal Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$12.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	13.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	13.50

One Dozen in a Box.

Family Choppers.

Per Dozen

No. 20—**Diamond Choppers.** Best Cast Steel Blade, 6½ in. Cut, Iron Ferrule, Wood Handle $7.00

Per Dozen

No. 88—**Household,** Oil Tempered Cast Steel Blade, 7¼ in. Cut, Fancy Rubber Finished Hardwood Handle..... $4.50

One-half Dozen in a Box.

Butchers' Choppers.

BEATTY'S.

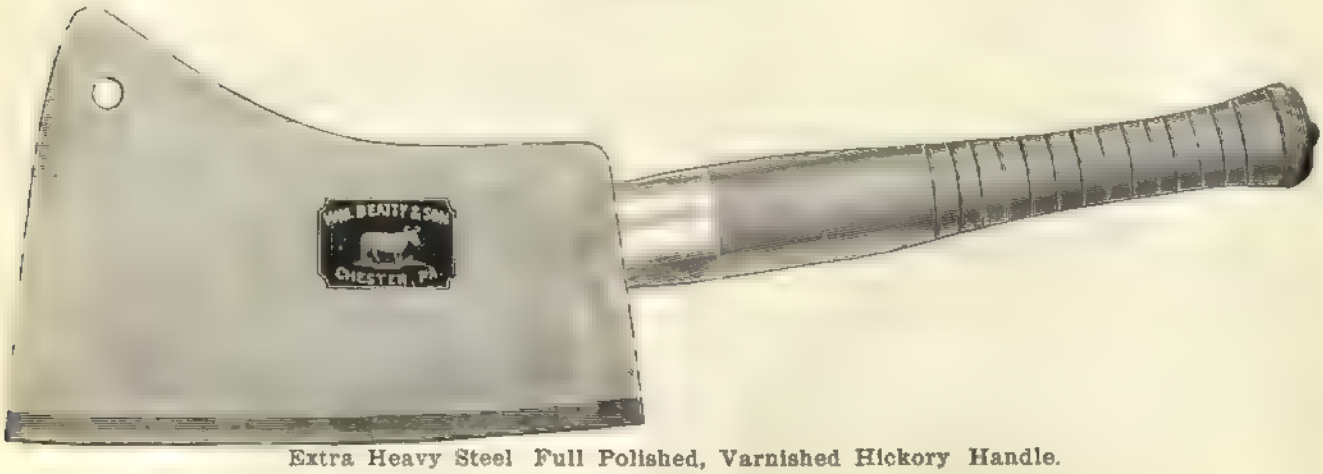
Extra Heavy Steel, Full Polished, Varnished Hickory Handle

Nos.	000	00	0	1	2
Cut, Inches	6	7	8	9	10
Per Dozen	$10.00	11.50	13.50	15.00	16.50

One-half Dozen in a Box.

Butchers' Cleavers.

BEATTY'S.



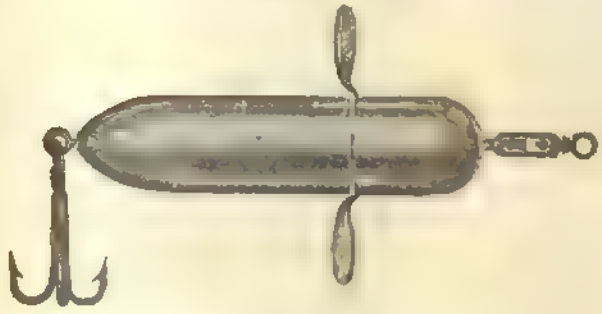
Extra Heavy Steel Full Polished, Varnished Hickory Handle.

Nos.	10	11	12	13	14	15	16	17	18	19
Cut, Inches	7	8	9	10	11	12	13	14	15	16
Per Dozen	$14.00	16.50	19.00	21.50	24.00	27.00	30.00	33.50	36.50	40.00

One-quarter Dozen in a Package.

Aluminum Fish Phantoms.

SILVER BIRD.



No. 48

Aluminum Bright Finish.

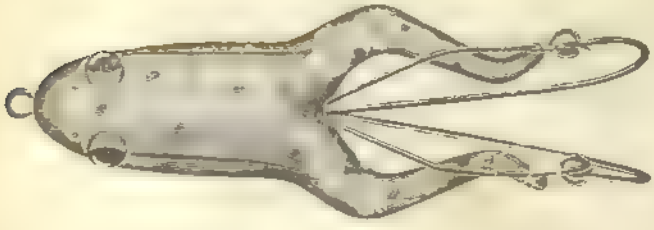
		Per Dozen
No. 28—3	in. Body Three Treble Hooks	$18 00
No. 38—3	in. Body Three Treble Hooks	10 00
No. 48—2	in. Body, One Treble Hook.....	9.50

Kent Champion Floater.

	Per Dozen
No. 818—2½x1¼ in. Red Cedar, Grass Green Enameled, with Brown Stripes and Dots, White Belly, Wire Running Through Lengthwise, Revolving Spinners, Three Treble Hooks, Weight ¾ Oz.	$6.00

One-half Dozen in a Box

Artificial Frogs.



	Per Dozen
No. 867—Best Quality Soft Rubber, Non-Luminous, Hollow Point Weedless Hooks..	$6 00
No. 775—Best Quality Cork, Non-Luminous, Painted True to Nature, Hollow Point Hooks	$5.50

One Dozen in a Box

Grub Worms.

	Per Dozen
No. 5—White or Brown Grub, Chenille Body, No. 6 Hook, Single Gut, for Trout. . .	$1.20
No. 6—White or Brown Grub, Chenille Body, No. 3 Hook, Single Gut, with Helper, for Bass	1.30

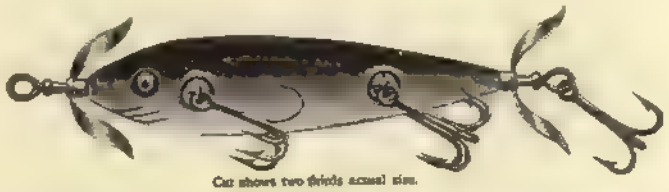
One Dozen in a Box.

Wooden Minnows.

"NEVERFAIL."

Cut shows two-thirds actual size.

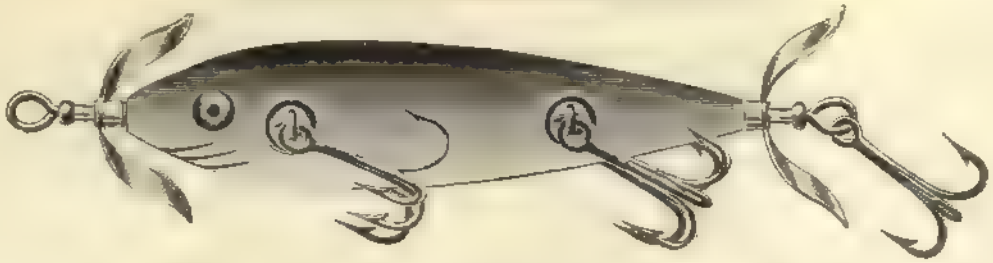
		Per Dozen
No. 73—	2¾ in Body, Rainbow Finish, Two Nickel Plated Spinners, Three Nickel Plated Treble Hooks	$4 00
No. 80—	2¾ in Body, All White Finish, Two Nickel Plated Spinners, Three Nickel Plated Treble Hooks	4 00
No. 84	2¾ in Body, Red Back, White Belly, Two Nickel Plated Spinners, Three Nickel Plated Treble Hooks	4.00
No. 85	2¾ in Body, Fancy Green Back, White Belly, Two Nickel Plated Spinners, Three Nickel Plated Treble Hooks	4.00



Cut shows two-thirds actual size.

		Per Dozen
No. 173	3⅝ in. Body, Rainbow Finish, Two Nickel Plated Spinners Five Nickel Plated Treble Hooks	$6 00
No. 180—	3⅝ in. Body, All White Finish, Two Nickel Plated Spinners Five Nickel Plated Treble Hooks	6 00
No. 184—	3⅝ in. Body, Red Back, White Belly, Two Nickel Plated Spinners, Five Nickel Plated Treble Hooks	6.00
No. 185—	3⅝ in. Body, Fancy Green Back, White Belly, Two Nickel Plated Spinners, Five Nickel Plated Treble Hooks	6 00

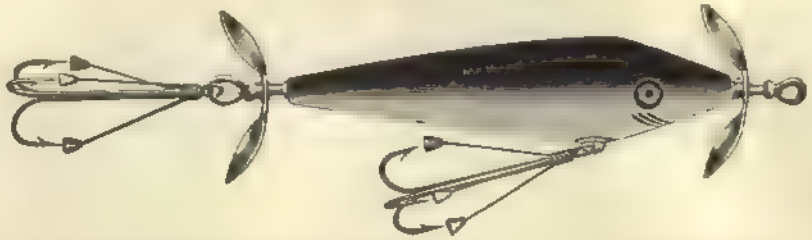
"NEVERFAIL" MUSCALLONGE MINNOW.



		Per Dozen
No. 273—	5 in. Body, Rainbow Finish, Two Nickel Plated Spinners, Five Nickel Plated Treble Hooks	$9 00
No. 285—	5 in Body, Fancy Green Back, White Belly, Two Nickel Plated Spinners, Five Nickel Plated Treble Hooks	9.00

One in a Box, One Dozen in a Package

BING'S "NEMAHBIN" WEEDLESS.



		Per Dozen
No. B50—	4 in Body, Green Back, Shaded White Belly, Two Treble Weedless Hooks	$9.00
No. B100—	4 in Body, Red Back, Shaded White Belly, Two Treble Weedless Hooks	9 00

One in a Box; One Dozen in a Package

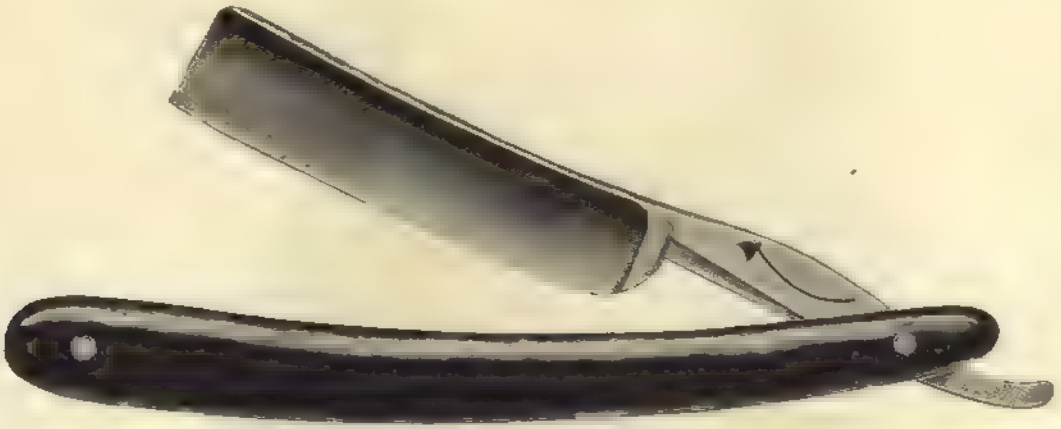
Razors.

Cuts Full Size

Per Dozen

No. 01323—Wostenholm's, ⅞ in. Blade, Frame Back Grinding, Hollow Point, Full Crocus Finish, Ivory Celluloid Handle, Gilt Lettered $22.00

One Dozen in a Box



Per Dozen

No. 01461—Wostenholm's Genuine Pipe, ⅝ in. Blade, Full Hollow Ground, Square Point, Finely Finished, Black Rubber Handle. $25.00

One half Dozen in a Box

Per Dozen

No. 70 —Antiseptic, ⅝ in. Finely Finished Blade, Full Hollow Ground, Square Point Full Polished Tang and Back, Blue Etching, Patented Felt Lined Black Rubber Handle. $32 00

No. 70R—Antiseptic, ⅝ in. Finely Finished Blade, Full Hollow Ground, Round Point, Full Polished Tang and Back, Blue Etching, Patented Felt Lined Black Rubber Handle 32 00

One in a Cloth Bag with Other

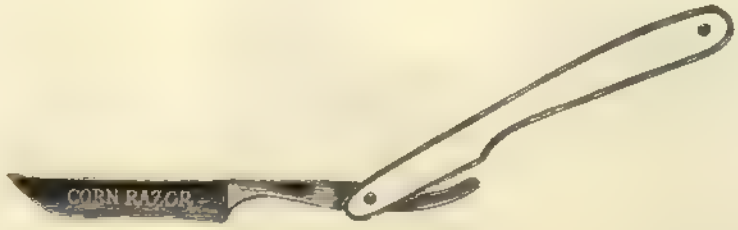
Parmoline.

Per Dozen

Parmoline—1 Oz. Bottles, Antiseptic Oil, for Razors, Razor Strops, Surgical Instruments, Etc. . . $3.60

One Dozen in a Box.

Razors.



	Per Dozen
No. 125—Corn Razors, Full Crocus Finish, Ivory Celluloid Handle	$ [illegible]
No. 126—Corn Razors, Full Crocus Finish, Pearl Handle	18.00

One-half Dozen in a Box.

Razor Assortments.

	Per Case
No. 521 Razor Assortment, Contains Six Razors, [illegible] in., Extra Hollow Ground Etched Blades, Assorted Points, Assorted Ivory, Celluloid and Black Rubber Handles, in Silk Lined Imitation Alligator or Seal Display Case, with Glass Top	$15.00

One Assortment in a Case

Razor Handles Only.

	Per Dozen
Razor Handles—Black Rubber, Oval Shape, German Silver Rivets and Washers	$2.40

Broad Axes.

PEERLESS.

Peerless, Canada Pattern.

Refined Cast Steel, Gold Bronzed, Polished Head and Bit, Cut 11 to 13 in.

Weights Assorted, Lbs	3½ to 6½	7 to 8½	9 to 11
Per Dozen	$42.00	46.00	50.00

BEATTY'S.

Beatty's, Western Pattern.

Refined Cast Steel, Gold Bronzed, Polished Head and Bit, Cut 11 to 13 in.

Weights Assorted, Lbs	3½ to 6½	6 to 7	6 to 7½	6½ to 8	7 to 8	8 to 9½
Per Dozen	$32.00	32.00	32.00	35.00	35.00	38.00

One-half Dozen in a Box

Adzes.

Carpenters', Half Head.
Extra Quality Cast Steel, Gun Metal Finish.

Per Dozen
No. E15— EVERGREEN, Cut 3½ to 4½ in., Weight Each 3¾ to 4 Lbs. $25.00

PEERLESS.

Carpenters', Half Head.
Extra Cast Steel, Gold Bronzed.

Per Dozen
No. 24—Peerless, Cut 3½ to 4½ in., Weight Each 3¾ to 4 Lbs. $24.00

CLIPPER.

Carpenters', Half Head.
Extra Cast Steel, Silver Bronzed.

Per Dozen
No. 20—Clipper, Cut 3½ to 4½ in., Weight Each 3¾ to 4 Lbs. $24.00

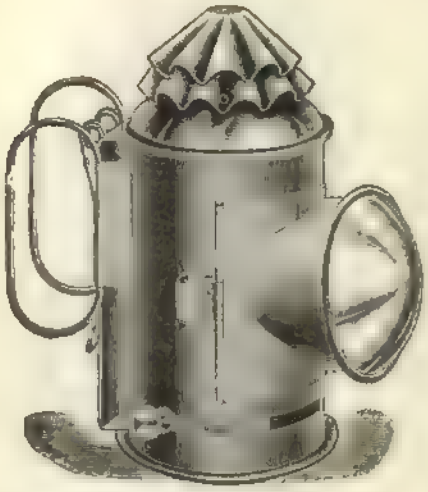
CLIPPER.

Railroad, Full Head.
Extra Cast Steel, Gold Bronzed.

Per Dozen
No. 10—Clipper, Cut 4½ to 6 in., Weight Each 4¼ to 4½ Lbs. $26.00

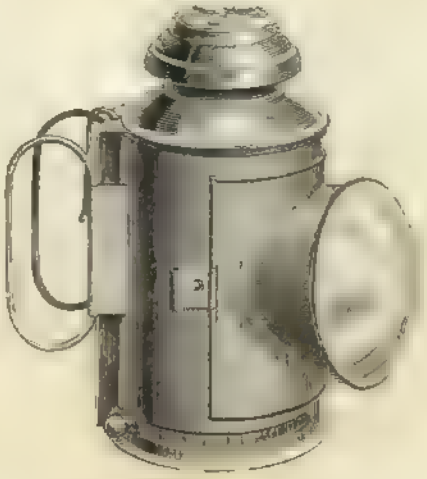
One-half Dozen in a Box.

Police Lanterns.



Per Dozen

No. 20 2¾ in Bull's-Eye Lens, Japanned Tin, with Slide $8.40



Per Dozen

No. 730—2½ in Bull's-Eye Lens, Heavy Tin, Nickel Plated, with Slide $19.00

One-twelfth Dozen in a Package

Tubular Hanging Lamps.

Each

No. 3—Dietz Pioneer, Tubular, Painted Green, Automatic Extinguisher, No. 3 Burner, 1½ in. Wick, No. 3 Globe $5.00

Average Weight Per Box 25 Pounds.

One in a Box.

Each

No. 03—Dietz Pioneer Crystal, Tubular, Painted Green, Glass Fount, Automatic Extinguisher, No. 3 Burner, 1½ in. Wick, No. 3 Globe $6.00

Average Weight Per Box 25 Pounds.

One in a Box.

These Lamps give a Light equal to 22½ Candle Power. Can be Filled Lighted Regulated and Extinguished without Removing the Globe. Are not affected by the Strongest Wind Can be Regulated to Burn a Certain Number of Hours Fount Holds Sufficient Oil to Burn 24 Hours.

Mammoth Hanging Lamps.

Each

No. 858—Improved Banner, No 3 Embossed Brass Fount, Circular Burner and Wick 20 in. Corrugated Tin Reflector, Central Draft, No. 3 Banner or Rochester Chimney Capacity of Fount 1 Gallon, Weight Each 7 Lbs..... $5.00

The Wick Raiser is controlled by a Thumb Screw, so that the Wick cannot fall by a sudden jar. The Lock Extension Harp Ring allows the Fount to be removed with one Hand by dropping through the Ring, instead of lifting as in other Lamps. Has extra Feeder Wick and Oil Drip Cup on inside Tube, which carries any surplus back to the Wick

One in a Box

Double Bitted Axes.

DAVIES' CHAMPION.

Yankee Pattern.

Michigan Pattern.

Davies' Champion—Extra Quality, Diamond Steel, Gold Bronzed, Yankee and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$16.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	17.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	17.50

One Dozen in a Box

Double Bitted Axes.

COLBY.

Wisconsin Pattern.

Michigan Pattern.

Colby—Best English Cast Steel, Silver Bronzed, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$18.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	18.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	19.00

One Dozen in a Box.

Double Bitted Axes.

PRITZLAFF'S DOLLAR AXE.

Wisconsin Pattern.

Michigan Pattern.

Pritzlaff's Dollar Axe—Extra Quality Steel, **Inserted and Overcoat Combined Steel Bit,** Natural Black Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$22 50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	23 00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	23 50

One Dozen in a Box.

Double Bitted Axes.

A. A. & T. CO.'S.

Wisconsin Pattern.

Michigan Pattern.

A. A. & T. Co.'s—Refined Silver Crucible Steel, Damascus Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$19.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	19.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	20.00

One in a Carton; One Dozen Cartons in a Box.

Peeling Axes.

EVERKEEN

Everkeen—Extra Quality Steel, Inserted Tool Steel Bit, Gun Metal Finish.

	Per Dozen
Weights Assorted, 3¾ to 4¾ Lbs.	$21.00

One Dozen in a Box.

VULCAN.

Vulcan—Extra Quality Steel, Hand Made, Black Finish.

	Per Dozen
Weights Assorted, 3¾ to 4¾ Lbs.	$20.00

One Dozen in a Box.

Double Bitted Axes.

BADGER STATE.

Yankee Pattern.

Michigan Pattern.

Badger State—Cast Steel, Gold Bronzed, Yankee and Michigan Pattern.

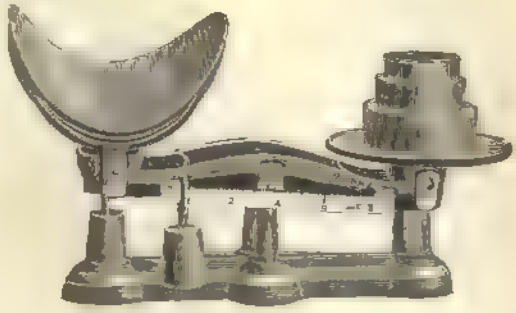
WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$14.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	15.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	15.50

One Dozen in a Box.

Scales.

EVEN BALANCE TEA.



Per Dozen

No. 1 Japanned, Tin Scoop, Weighs ½ Oz. to 4 Lbs. $15.00

One-half Dozen in a Box.

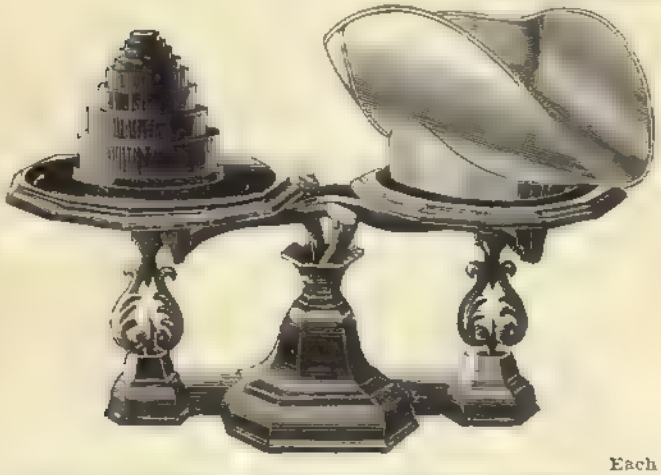
Each

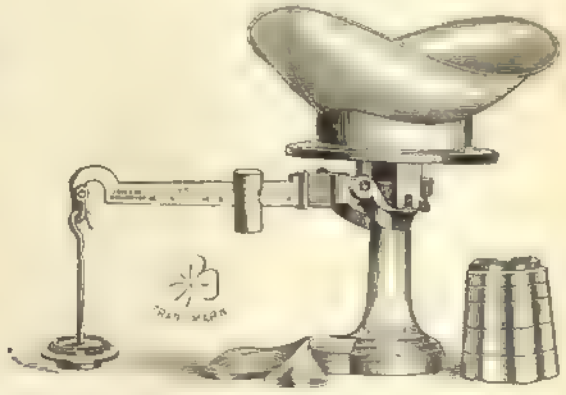
No. 2—Star, Tin Scoop, **without** Side Beam, Weighs ½ Oz. to 4 Lbs. $3.50

No. 3—Star, Tin Scoop, **with** Side Beam, Weighs ½ Oz. to 4 Lbs. 4.50

One in a Box.

COUNTER SCALES.





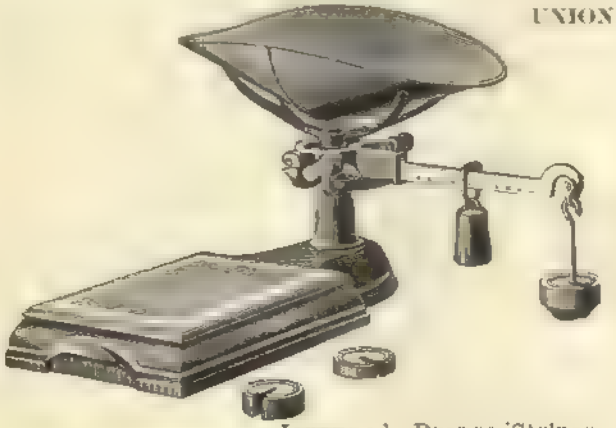
Each

No. 171—Hatch's, Japanned Tin Scoop Weighs ½ Oz. to 8 Lbs. $3.00

Each

No. 25—Clover Leaf, with Plate and Tin Scoop, Weighs ¼ Oz. to 25 Lbs. $4.00

UNION COUNTER.



Japanned, Bronze Stripes, Steel Bearings, with Tin Scoop

Each

No. 1—Champion, Single Beam, Weighs ½ Oz. to 240 Lbs. $4.25

No. 111—Single Beam, Weighs ½ Oz. to 240 Lbs. 4.00

Each

No. 2—Champion, Double Beam, Weighs ½ Oz. to 240 Lbs. $5.50

No. 222—Double Beam, Weighs ½ Oz. to 240 Lbs. 5.25

Each

Extra Scoops—Tin, for Nos. 1 and 2 Union Scales $1 00

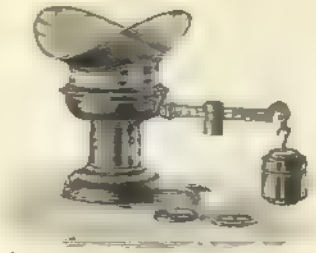
One in a Box.

Howe Scales.

GROCERS'.

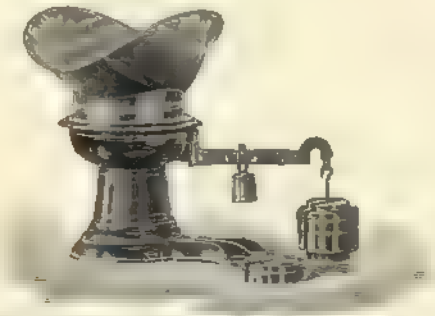
Single Beam, Graduated by ¼ Oz. to 1 Lb., Rubber Tipped Horns

		Each
No. 350	Tin Scoop, Weighs ¼ Oz. to 10 Lbs	$8 00
No. 352	Brass Scoop, Weighs ¼ Oz. to 10 Lbs	9 00



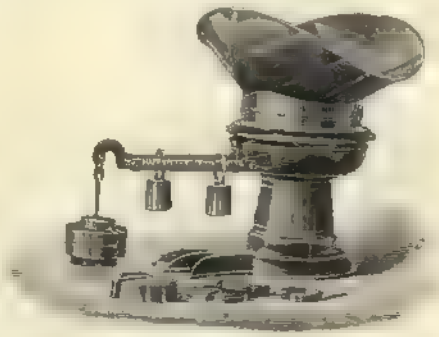
Single Beam, Notched Slide Poise, Graduated by ½ Oz. to 2 Lbs.

		Each
No. 341	Tin Scoop, Weighs ½ Oz. to 26 Lbs	$ 9 50
No. 343	Brass Scoop, Weighs ½ Oz. to 26 Lbs.	10.50
No. 339	Without Scoop, Weighs ½ Oz. to 26 Lbs.	8.50



Single Beam, Graduated by ½ Oz. to 3 Lbs.

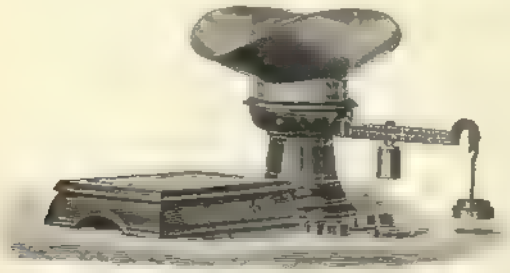
		Each
No. 331	Tin Scoop, Weighs ½ Oz. to 36 Lbs.	$10 00
No. 333	Brass Scoop, Weighs ½ Oz. to 36 Lbs	11.50
No. 479	Without Scoop, Weighs ½ Oz. to 36 Lbs	9 00
No. 338	Tin Scoop, Weighs ½ Oz. to 62 Lbs	12 00
No. 342	Brass Scoop, Weighs ½ Oz. to 62 Lbs.	13.50
No. 477	Without Scoop, Weighs ½ Oz. to 62 Lbs.	10.50



Double Beam, Graduated by ½ Oz. to 3 Lbs. on Each Bar.

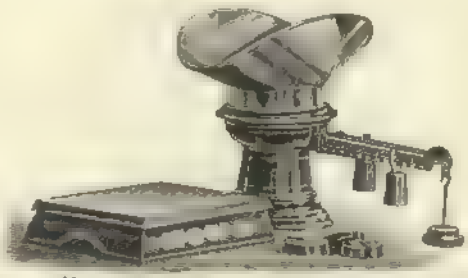
		Each
No. 335	Tin Scoop, Weighs ½ Oz. to 36 Lbs.	$11 00
No. 337	Brass Scoop, Weighs ½ Oz. to 36 Lbs	12 50
No. 493	Without Scoop, Weighs ½ Oz. to 36 Lbs	10 00
No. 340	Tin Scoop, Weighs ½ Oz. to 62 Lbs	13 00
No. 344	Brass Scoop, Weighs ½ Oz. to 62 Lbs	14 50
No. 491	Without Scoop, Weighs ½ Oz. to 62 Lbs	11 50

UNION.



Single Beam, Upper Row of Figures for Round Platform, Graduated ½ Oz. to 5½ Lbs., Lower Row of Figures for Square Platform, Graduated 4 Oz. to 44 Lbs.

		Each
No. 320	Tin Scoop, Weighs ½ Oz. to 240 Lbs.	$14.00
No. 324	Brass Scoop, Weighs ½ Oz. to 240 Lbs.	15.00
No. 805	Tin Funnel Scoop, Weighs ½ Oz. to 240 Lbs.	15 00
No. 806	Brass Funnel Scoop, Weighs ½ Oz. to 240 Lbs.	16.50
		Each
Extra Tin Scoops—For Nos. 320 and 322 Union Scales		$2 30



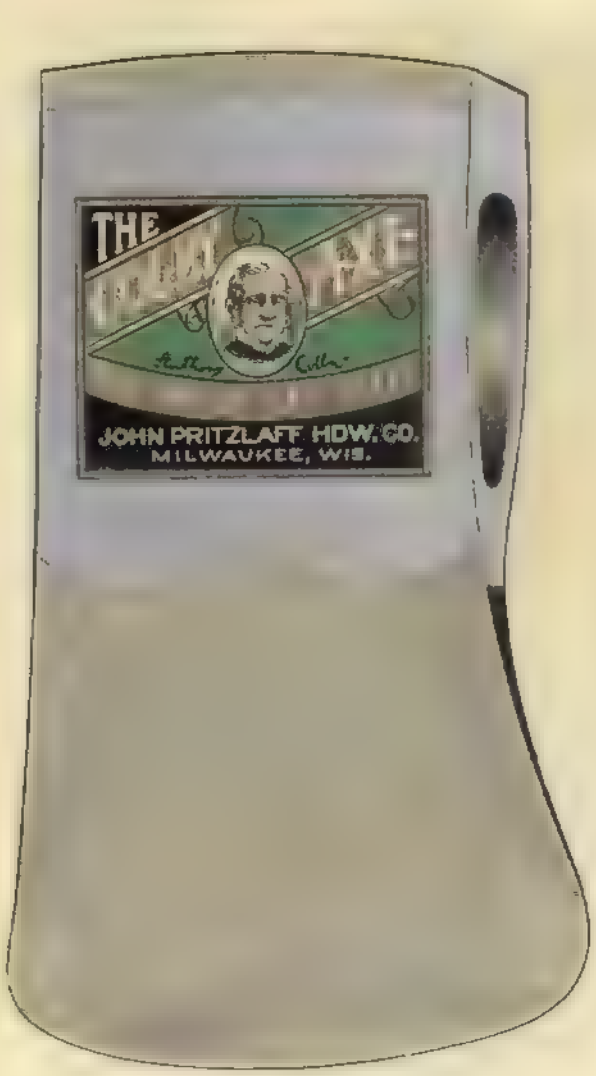
Double Beam, Front Bar, Upper Row of Figures for Round Platform, Graduated ½ Oz. to 5½ Lbs., Lower Row of Figures for Square Platform, Graduated 4 Oz. to 44 Lbs.; Rear Bar for Round Platform, Graduated ½ Oz. to 5 Lbs.

		Each
No. 322	Tin Scoop, Weighs ½ Oz. to 240 Lbs.	$15.00
No. 326	Brass Scoop, Weighs ½ Oz. to 240 Lbs.	16 00
No. 807	Tin Funnel Scoop, Weighs ½ Oz. to 240 Lbs.	16 00
No. 808	Brass Funnel Scoop, Weighs ½ Oz. to 240 Lbs.	17 50
		Each
Extra Brass Scoops—For Nos. 324 and 326 Union Scales		$4.00

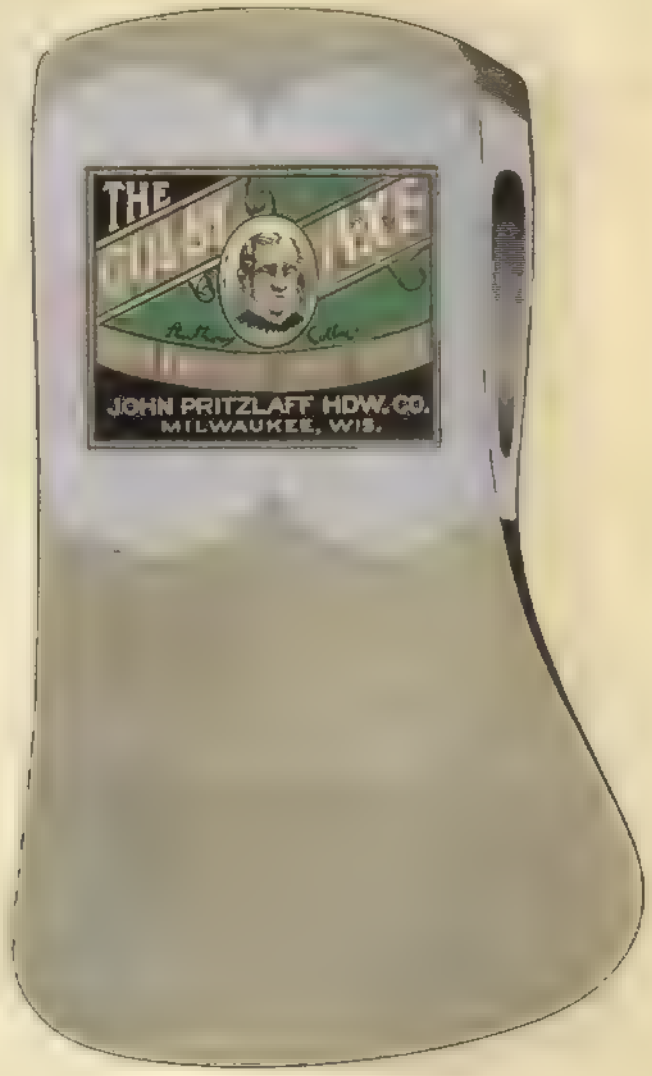
One in a Box.

Single Bitted Axes.

COLBY.



Wisconsin Pattern.



Michigan Pattern.

Colby—Best English Cast Steel, Silver Bronzed, Polished Head, Yankee and Michigan Pattern

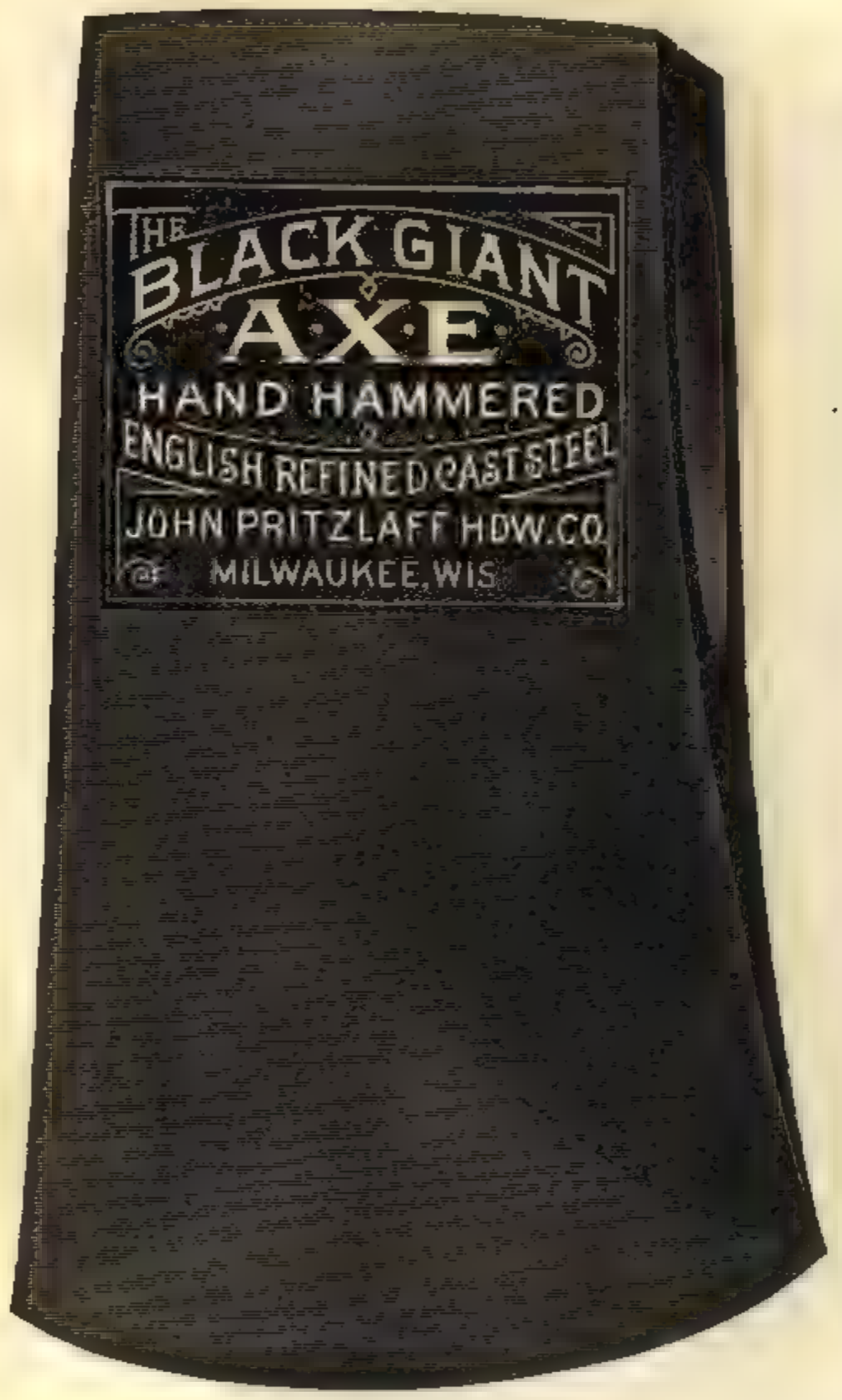
WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$12 50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	13 00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	13 50

One Dozen in a Box

Single Bitted Axes.

BLACK GIANT.



Yankee Pattern.

Michigan Pattern.

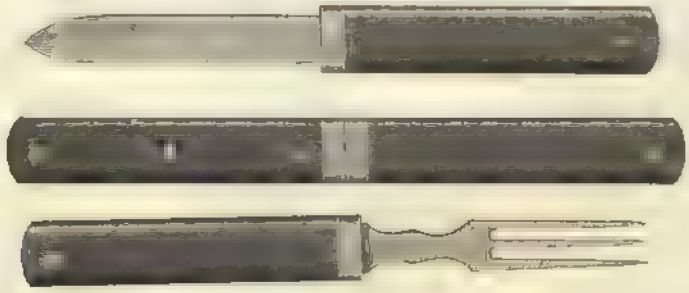
Black Giant—English Refined Cast Steel, Hand Hammered, Black Finish, Yankee and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$14.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	15.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	15.50

One Dozen in a Box

Camping Knives and Forks.



Per Dozen Sets

No. 67—3½ in. Steel Blade, Cocobolo Handle, Brass Ferrule, Polished $7.00

This Knife and Fork, when telescoped or closed, measures 8 inches full length

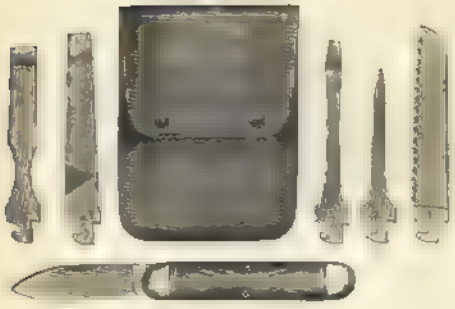
Tool Knives.

Per Dozen

No. 700—5 Tools, Comprising 1 Blade, Leather Punch, Swedging Awl, Wire Cutters, Pliers, Alligator Wrench, Hoof Hook, Screw Driver and Gimlet, Length Over All When Closed 4 in., Stag Handle, Brass Lined, German Silver Bolsters $21.50

One-half Dozen in a Box

Victor Tool Kit.



Per Dozen

No. 1898—One Blade with Tools, Cocoa Handle, Steel Lined, German Silver Bolsters $30.00

The Victor Tool Kit comprises the following

No. 1—Saw, 3⅝ in. Long
No. 2—Punch, 3⅜ in. Long
No. 3—Screw Driver, 3¾ in. Long
No. 4—File and Screw Driver Combined, 3⅝ in. Long
No. 5—Chisel, 3⅝ in. Long
No. 6—Complete Pocket Knife, One Blade, 3¾ in. Long.
No. 7—Leather Case, 4¼ in. Long, 3¼ in. Wide, 1 in. Thick.

The Victor Tool Kit is a most ingenious and handy article. It contains a complete set of Tools, which are made from the Best Tool Steel, Each Hand Forged and Guaranteed, and especially adapted for Household, Mechanical and Outing Purposes.

One-twelfth Dozen in a Box

Sloyd or Wood Carvers' Knives.

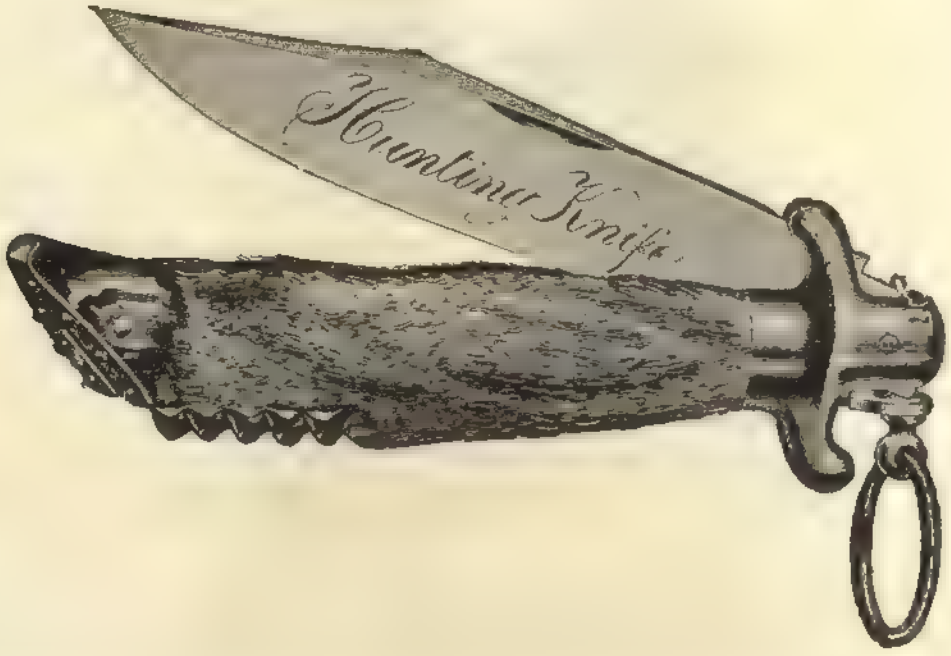
Per Dozen

No. 98—2½ in. Finest Cutlery Steel Blade, Glazed, Beechwood Handle, Brass Ferrule, with Shoulder $2 80

One Dozen in a Box

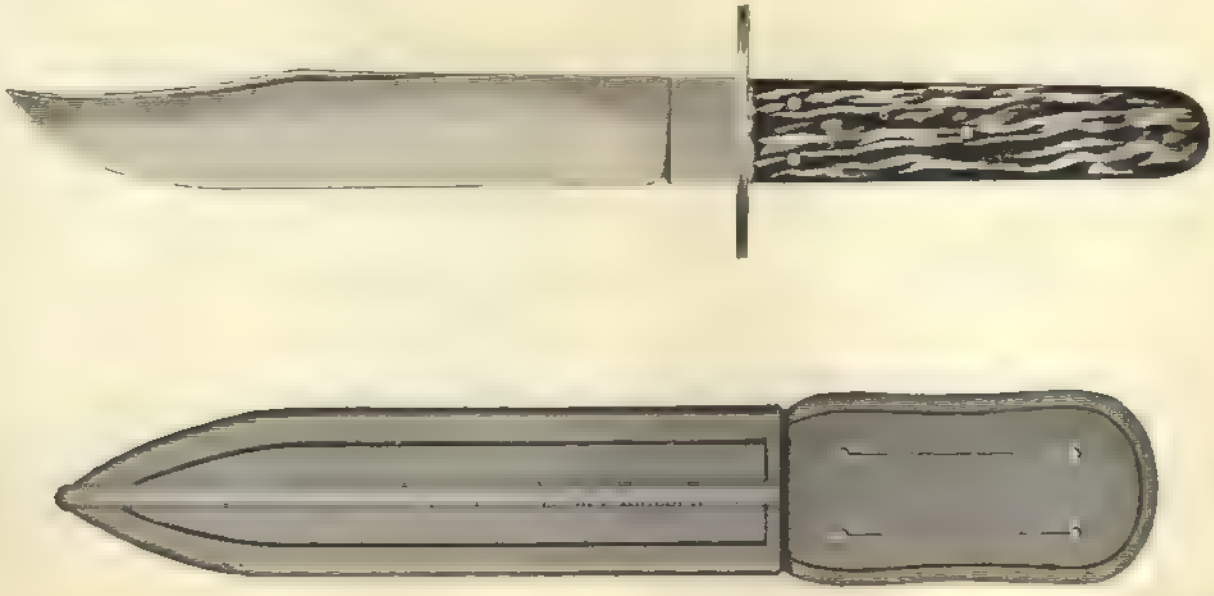
Pocket Knives.

DEER FOOT HUNTING.



Per Dozen

No. 6923—4", in Blade, with Cork Screw, Deer Foot Handle, Brass Lined German Silver Guard, Bolster and Cap.....$35.00



Per Dozen

No. 265—6 in Cast Steel Blade, Stag Handle, Nickel Silver Guard, with Leather Sheath. . . $15 00
Extra Leather Sheaths..... 3.50

Fish Baits.

Cuts Full Size

ADMIRAL.

No. 7 No. 8. No. 9

Non-Luminous, Pure Soft Rubber Minnow, Nickel Plated Spoon Hollow Point Feathered Treble Hooks.

Nos.	7	8	9
Per Dozen	$6.50	8.50	9.50

Nos. 7 and 8 Have Two Treble Hooks No. 9 Has Three Treble Hooks

One-twelfth Dozen in a Box; One-half Dozen in a Carton.

Fish Baits.

Cuts Full Size.

SOFT RUBBER MINNOWS.

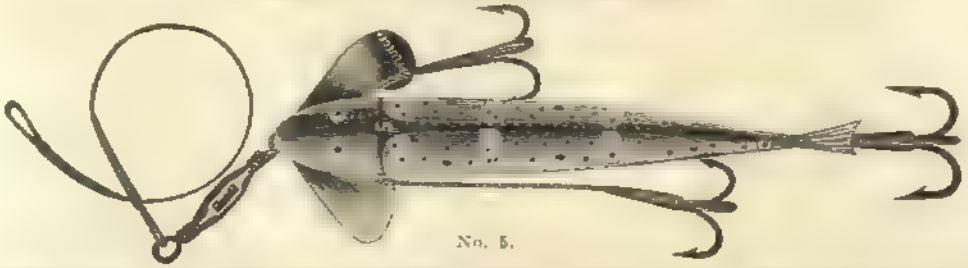
No. 6.

Non-Luminous, Decorated Green and Brown, Feathered Treble Hooks, Brass Box Swivels.

Nos.	07	08	09
Per Dozen	$6.00	8.00	9.00

Nos. 07, 8 and 10 have Two Treble Hooks, No. 09 has Three Treble Hooks

FAMED SILK PHANTOM MINNOWS.



No. 5.

First Quality, Waterproof Oiled Silk Body, Assorted Colors, Brown, Blue, Red and Silver, with Leader and Brass Box Swivel.

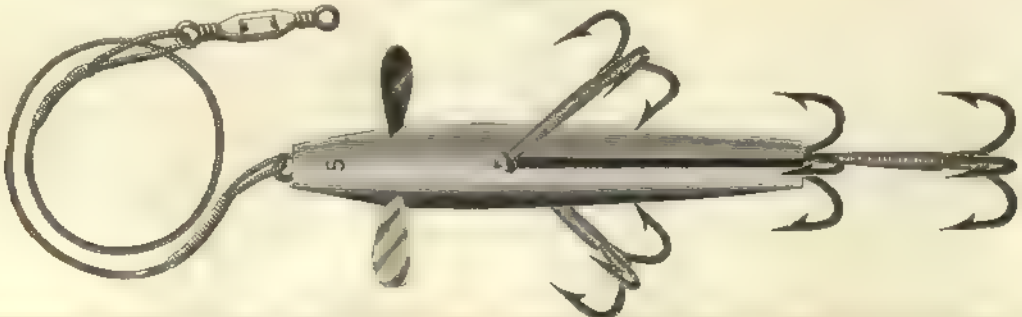
Nos.	0	1½	3	4	5	6	7	8	All Large Hooks. 17	18
Length, Inches	1¾	2¼	3	3¼	3½	4	4¼	4½	4¼	4½
Per Dozen	$4.00	4.00	4.00	4.50	4.50	5.50	6.25	6.75	7.00	7.50

PORPOISE HIDE PHANTOM MINNOWS.

Special Porpoise Hide Body, Assorted Colors Brown, Blue and Silver, Cable Wire Leader, Two Brass Box Swivels, Extra Strong and Large Treble Hooks.

Nos.	25	26	27	28
Length, Inches	3½	4	4¼	4½
Per Dozen	$12.50	13.25	16.00	17.00

DEVON MINNOWS.



Non-Luminous, Nickel Plated Metal Body, Spear Point Treble Hooks, Two-Ply Wire Cable Leader

Nos.	1	2	3	4	5
Length, Inches	2	2¼	2½	2¾	3
Per Dozen	$5 50	5.50	5 50	5 50	5.50

One Dozen in a Box Six in a Carton

Square Lamps.

Each

No. 2—Dietz, Tubular Square, Japanned Blue 8 in. Silvered Glass Reflector, No. 3 Burner, 1½ in. Wick, Regulated from the Outside, Burns 18 Hours.....$7.00
Average Weight Per Box 21 Pounds.

One in a Box.

Each

No. 3—Dietz, Tubular Square, Japanned Blue, 12 in. Silvered Glass Reflector, No. 3 Burner, 1½ in. Wick, Regulated from the Outside, Burns 23 Hours.....$8.50
Average Weight Per Box 33 Pounds

One in a Box.

Station Lamps.

SQUARE.

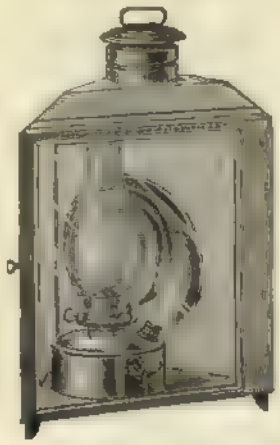
Each

No. 20—Climax, Square, Japanned Blue, 8 in. Silvered Glass Reflector, No. 2 Burner, 1 in. Wick, No. 2 Chimney.....$3.70

No. 30—Climax, Square Japanned Blue 10 in Silvered Glass Reflector, No. 2 Burner, 1 in. Wick, No. 2 Chimney..... 4.20
Average Weight Per Box 18 Pounds.

One in a Box.

TRIANGULAR.



Each

No. 21—Climax, Triangular, Japanned Blue, 8 in. Silvered Glass Reflector, No. 2 Burner, 1 in. Wick, No. 2 Chimney...$3.70

No. 31—Climax, Triangular, Japanned Blue, 10 in. Silvered Glass Reflector, No. 2 Burner, 1 in. Wick, No. 2 Chimney... 4.20
Average Weight Per Box 22 Pounds.

One in a Box.

Lamp Brackets.

Each

No. 4—20 in., Cast Iron, Japanned, for Nos. 4, 2, 3 and 03 Street Lamps. $2.60

Street Lamps.

CORPORATION.

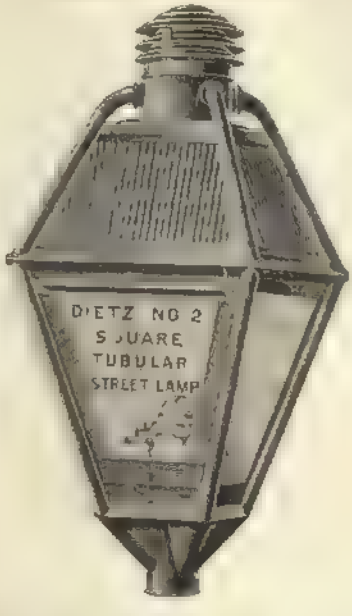
Each

No. 4—Corporation, Painted Green, Glass Fount, No. 2 Burner, 1 in. Wick, No. 2 Sun Chimney, with Socket.....$6.00

Has a Removable Socket which will Fit a Post or Bracket. The Top is made of Corrugated Tin, and acts as a Reflector to Throw the Light Down. Fount holds Sufficient Oil to Burn 17 Hours.

Average Weight Per Box 30 Pounds.

SQUARE TUBULAR.



No. 2—Dietz Square, Tubular, Painted Green, Automatic Extinguisher, No. 3 Burner, 1½ in. Wick, 3 in. Flame, with Socket.$11.00

Burns a Brilliant Flame without a Chimney. Is not Affected by the Strongest Wind. Can be Regulated to Burn a Certain Number of Hours. Fount Holds Sufficient Oil to Burn 24 Hours.

Average Weight Per Box 35 Pounds.

One in a Box.

PIONEER TUBULAR.

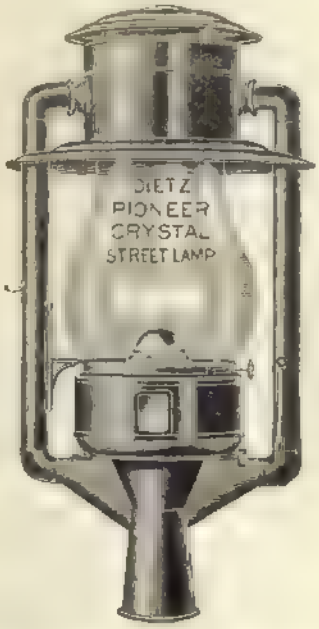
Each

No. 3—Dietz Pioneer, Tubular, Painted Green, Automatic Extinguisher, No. 3 Burner, 1½ in. Wick, No. 3 Globe, with Socket $5.00

Average Weight Per Box 26 Pounds.

One in a Box.

One in a Box.



Each

No. 03—Dietz Pioneer Crystal, Tubular, Painted Green, Automatic Extinguisher, Glass Fount, No. 3 Burner, 1½ in. Wick, No. 3 Globe, with Socket.....$6.00

Average Weight Per Box 26 Pounds.

One in a Box.

These Lamps are not Affected by the Strongest Wind. Have Patent Globe Lifter, Outside Wick Regulator. Do Not Smoke. Can be Regulated to Burn a Certain Number of Hours. Founts Hold Sufficient Oil to Burn 24 Hours.

Blacksmiths' Hand Tools.

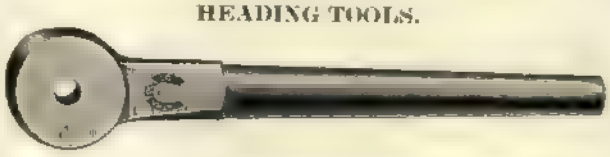
BEST QUALITY CAST STEEL.

Hot Chisels—Oil Finish, 1¼, 1⅜ and 1½ in. . . . . Per Pound $0.40

Cold Chiseis—Oil Finish, 1¼, 1⅜ and 1½ in. . . . . Per Pound $0.40

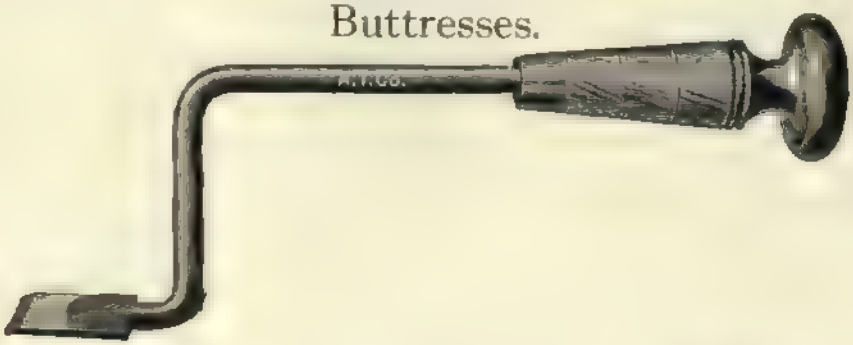
Round Punches—Oil Finish, ⅜, 7/16, ½, ⅝ and ¾ in. . Per Pound $0.40

HEADING TOOLS.



Heading Tools—Oil Finish, Round Hole, ⅜, 7/16, ½, ⅝ and ¾ in. . . . . Per Pound $0.40

Buttresses.



No. 25—Blacksmiths' Buttresses, Cast Steel, Wood Handle . . . . . Per Dozen $9.50

Paint Mills.

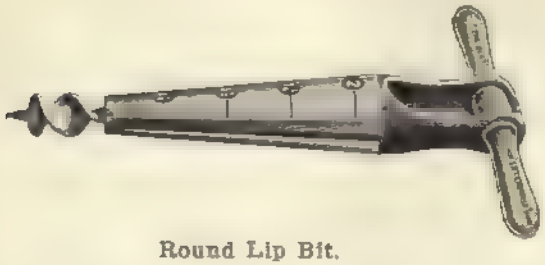
No. 4—Hopper 4 in. High, 5 in. Across Top, Diameter of Nut 4¾ in., Hopper Holds 1 Quart, Weight 15 Lbs. . . . . Each $5.50

No. 8—Hopper 5 in. High, 7 in. Across Top, Diameter of Nut 5¾ in., Hopper Holds ½ Gallon, Weight 21 Lbs. 6.50

No. 2—Hopper 6 in. High 8 in. Across Top, Diameter of Nut 7¼ in., Hopper Holds 1 Gallon, Weight 39 Lbs. . . . . Each $7.50

Bung and Tap Borers.

ENTERPRISE.



Round Lip Bit.

Nos.	1	2	3
Bores Hole, Inches...	⅝ to 1½	1⅛ to 2	1½ to 3
Per Dozen	$18.00	24.00	36.00

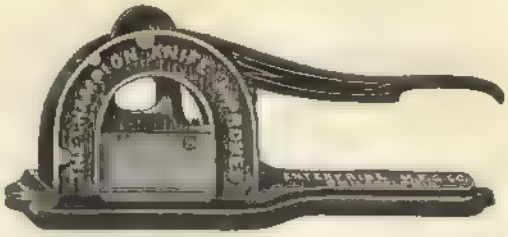
COMMON.

Improved Ring, with Handle.

Nos.	10	11	12
Bores Holes, Inches.....	1½	1¾	2
Per Dozen	$7.00	8.00	10.00

Tobacco Cutters.

ENTERPRISE.



Each

No. 1—Cuts Plug 4¾ in Wide, Japanned Iron Frame, Tempered Steel Blades, Having a Draw Cut Movement which is Very Effective. $1 75

Dried Beef Cutters.

ENTERPRISE.

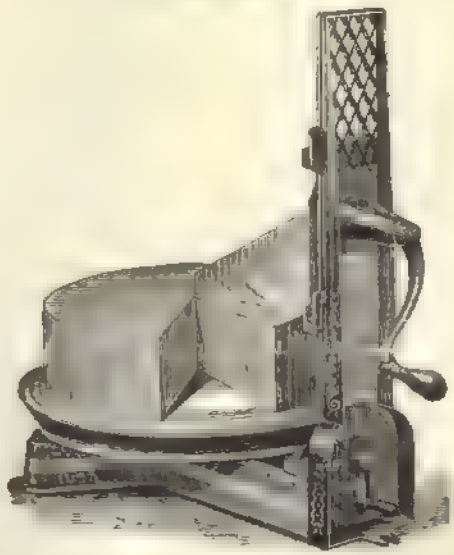
Each

No. 23—Japanned Iron Frame, Steel Knife, Automatic Feed, Self-Sharpening Device $8.00

One in a Crate.

Cheese Knives or Cutters.

ENTERPRISE.



Each

No. 126 Self-Gauging, Tinned Steel Blade, Ornamented Iron Frame, Lift of Knife 10., Diameter of Table 19 in., Complete with Cover.....$16.00

One in a Crate.

Single Bitted Axes.

Wisconsin Pattern. **Michigan Pattern.**

EVERKEEN—Extra Quality Steel, Inserted Tool Steel Bit, Gun Metal Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

		Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs.	3¼ to 3¾ Lbs	$12 50
Group No. 2—Consisting of 3¼ to 4¼ Lbs.	3½ to 4 Lbs., 3½ to 4½ Lbs	13.00
Group No. 3—Consisting of 3¼ to 4¾ Lbs.	4 to 5 Lbs.	13.50

One Dozen in a Box.

Single Bitted Axes.

PRITZLAFF'S DOLLAR AXE.

Wisconsin Pattern. Michigan Pattern.

Pritzlaff's Dollar Axe—Extra Quality Steel, **Inserted and Overcoat Combined Steel Bit**, Natural Black Finish, Wisconsin and Michigan Pattern.

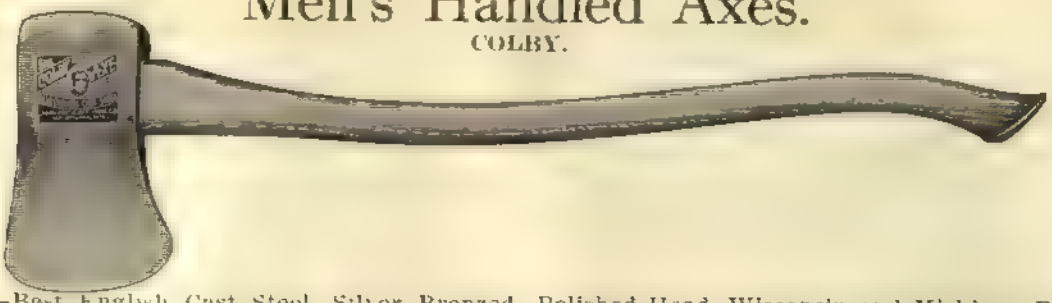
WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$17.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	17.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	18 00

One Dozen in a Box.

Men's Handled Axes.

COLBY.



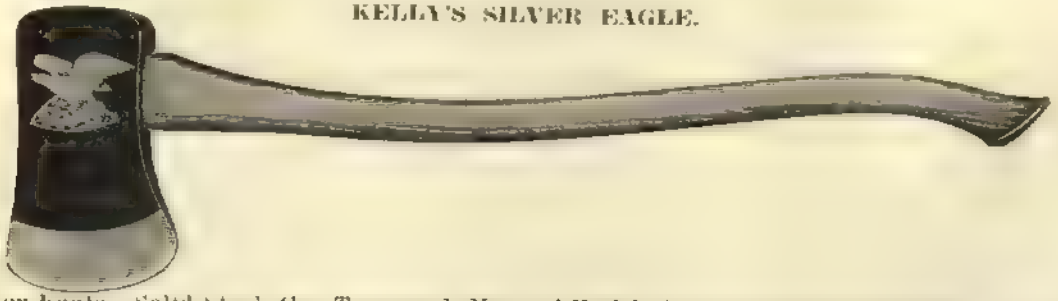
Colby—Best English Cast Steel, Silver Bronzed, Polished Head, Wisconsin and Michigan Pattern.
Handled with 36 in. 4X Hand Shaved Second Growth Hickory Handles.

	WEIGHTS.	Per Dozen
Group No. 1—Consisting of 3 to 4	Lbs., 3¼ to 3¾ Lbs	$17.00
Group No. 2—Consisting of 3¼ to 4¼	Lbs., 3½ to 4 Lbs, 3½ to 4½ Lbs.	17.50
Group No. 3—Consisting of 3¾ to 4¾	Lbs., 4 to 5 Lbs	18.00

Handled with 36 in. 6X Hand Shaved Second Growth Hickory Handles.

	WEIGHTS.	Per Dozen
Group No. 1—Consisting of 3 to 4	Lbs., 3¼ to 3¾ Lbs.	$18.00
Group No. 2—Consisting of 3¼ to 4¼	Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	18.50
Group No. 3—Consisting of 3¾ to 4¾	Lbs., 4 to 5 Lbs.	19.00

KELLY'S SILVER EAGLE.



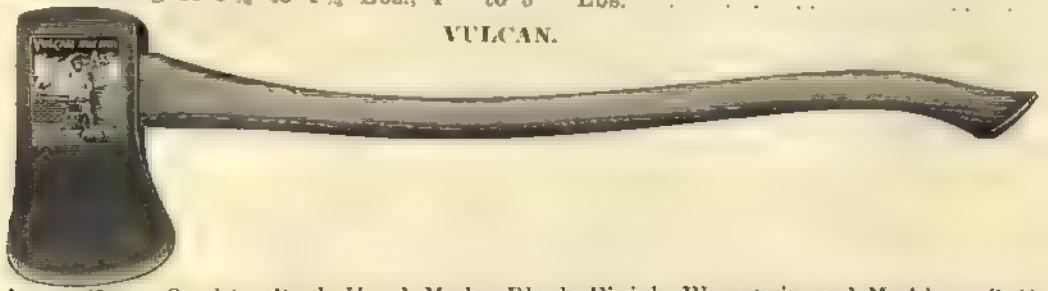
Kelly's Silver Eagle—Solid Steel, Gas Tempered, Natural Finish, Hollow Ground Bit, Wisconsin and Michigan Pattern.
Handled with 36 in. 4X Hand Shaved Second Growth Hickory Handles.

	WEIGHTS.	Per Dozen
Group No. 1—Consisting of 3 to 4	Lbs., 3¼ to 3¾ Lbs	$17.00
Group No. 2—Consisting of 3¼ to 4¼	Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	17.50
Group No. 3—Consisting of 3¾ to 4¾	Lbs., 4 to 5 Lbs.	18.00

Handled with 36 in. 6X Hand Shaved Second Growth Hickory Handles

	WEIGHTS.	Per Dozen
Group No. 1—Consisting of 3 to 4	Lbs., 3¼ to 3¾ Lbs.	$18.00
Group No. 2—Consisting of 3¼ to 4¼	Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	18.50
Group No. 3—Consisting of 3¾ to 4¾	Lbs., 4 to 5 Lbs.	19.00

VULCAN.



Vulcan—Extra Quality Steel, Hand Made, Black Finish, Wisconsin and Michigan Pattern
Handled with 36 in. 4X Hand Shaved Second Growth Hickory Handles.

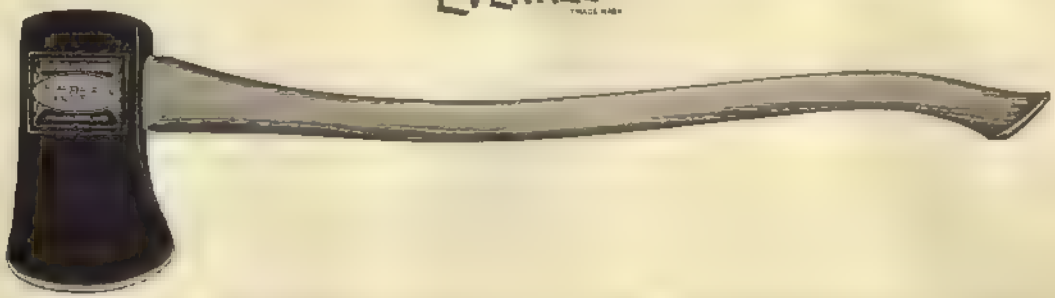
	WEIGHTS.	Per Dozen
Group No. 1—Consisting of 3 to 4	Lbs., 3¼ to 3¾ Lbs	$15.00
Group No. 2—Consisting of 3¼ to 4¼	Lbs., 3½ to 4 Lbs, 3½ to 4½ Lbs.	15.50
Group No. 3—Consisting of 3¾ to 4¾	Lbs., 4 to 5 Lbs.	16.00

Handled with 36 in 6X Hand Shaved Second Growth Hickory Handles.

	WEIGHTS.	Per Dozen
Group No. 1—Consisting of 3 to 4	Lbs., 3¼ to 3¾ Lbs.	$16.00
Group No. 2—Consisting of 3¼ to 4¼	Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	16.50
Group No. 3—Consisting of 3¾ to 4¾	Lbs., 4 to 5 Lbs.	17.00

One Dozen in a Crate.

Men's Handled Axes.



EVERKEEN—Extra Quality Steel, Inserted Tool Steel Bit, Gun Metal Finish, Wisconsin and Michigan Pattern, Handled with 36 in. 4X Hand Shaved Second Growth Hickory Handles.

WEIGHTS.

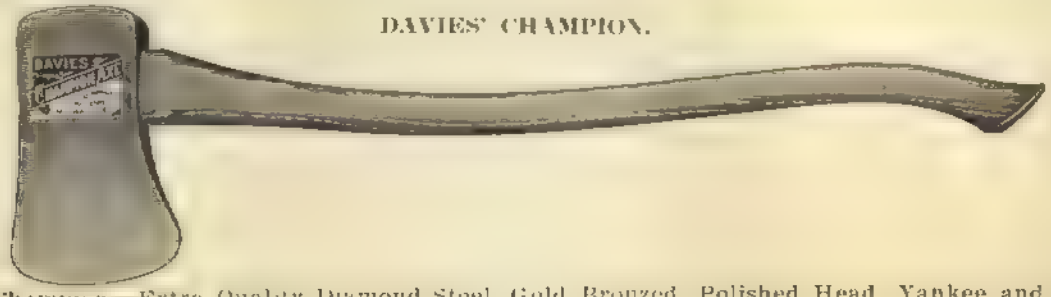
	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$17.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4 Lbs	18 00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	18.50

Handled with 36 in. 6X Hand Shaved Second Growth Hickory Handles.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$18.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	19.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	19.50

DAVIES' CHAMPION.



Davies' Champion—Extra Quality Diamond Steel, Gold Bronzed, Polished Head, Yankee and Michigan Pattern

Handled with 36 in. 4X Hand Shaved Second Growth Hickory Handles.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$16.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	16.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	17.00

Handled with 36 in. 6X Hand Shaved Second Growth Hickory Handles.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$17.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	17 50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	18 00

Handled with Our Special Hickory Handles.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs	$15 00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs 3½ to 4½ Lbs	15 50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	16.00

One Dozen in a Crate.

Single Bitted Axes.

DAVIES' CHAMPION.

Yankee Pattern.

Michigan Pattern.

Davies' Champion Extra Quality Diamond Steel, Gold Bronzed, Polished Head, Yankee and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$11 50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	12 00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs	12.50

One Dozen in a Box.

Single Bitted Axes.

A. A. & T. CO.'S.

Michigan Pattern.

Cut Shows Carton.

A. A. & T. Co.'s—Refined Silver Crucible Steel, Damascus Finish, Mann's Wisconsin and Michigan Pattern.

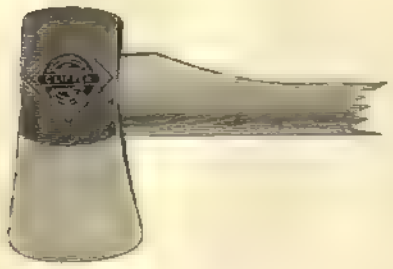
WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$15.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	15 50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs	16 00

One in a Carton., One Dozen Cartons in a Box

Hunters' Hatchets.

CLIPPER.



PEERLESS.

Per Dozen

No. 1—Clipper, Extra Cast Steel, Silver Bronzed, with 16 in. Extra Hickory Handle, Weight Each 1½ Lbs.....$10.00

Per Dozen

No. 11—Peerless, Extra Cast Steel, Gold Bronzed, with 16 in. Extra Hickory Handle, Weight Each 1½ Lbs.....$10 00

No. 10—Peerless, Solid Steel, Full Polished and Etched, with 16 in. Extra Hickory Handle, Weight Each 1½ Lbs..... 12.50

One-half Dozen in a Box.

Ship Axes.

BEATTY'S.

WHITE'S.

Extra Cast Steel, Blue Finish, Polished Head and Bit

Per Dozen

No. 1—Beatty's, Cut 6½ to 7 in., Weight Each 5 to 6 Lbs.....$30.00

One-half Dozen in a Box.

Extra Cast Steel, Gold Bronzed Finish, Polished Head and Bit.

Per Dozen

No. 40—White's, Cut 6½ to 7 in., Weight Each 5 to 6 Lbs. $36.00

One-half Dozen in a Box.

Sportsmen's Hatchets.

Per Dozen

No. ES1—~~EVERKEEN~~, Extra Quality Cast Steel, Gun Metal Finish, 13 in. Extra Hickory Handle, Weight Each 1¼ Lbs. $12.00

CLIPPER.

Per Dozen

No. 01—Clipper, Best Quality Cast Steel, Silver Bronzed, 13 in. Extra Hickory Handle, Weight Each 1¼ Lbs. $10.00

BLACK WARRIOR.

Per Dozen

No. 00—Black Warrior, Cast Steel, Black Finish, 13 in. Hickory Handle, Weight Each 1 Lb... ..$8 00
No. 0—Black Warrior, Cast Steel, Black Finish, 13 in. Hickory Handle, Weight Each 1½ Lbs 9.00

One-half Dozen in a Box.

Hunters' Hatchets.

Per Dozen

No. EH1—~~EVERKEEN~~, Extra Quality Cast Steel, Gun Metal Finish, with 16 in. Extra Hickory Handle, Weight Each 1½ Lbs. $12.00

One-half Dozen in a Box.

Tool Display and Stock Cabinets.

Each

Tool Display and Stock Cabinet Made of Golden Oak, Handsomely Carved and Varnished, Background Lined with Dark Felt. Wooden Pegs Finished to Match Felt. Double Strength Glass Panels in Front and Sides, Etched on Front Panels, Outside Dimensions 5 ft. 1 in. High, 5 ft. 2½ in. Wide, 19 in. Deep, Inside Dimensions 4 ft. 9 in. High, 4 ft. 10 in. Wide, 17 in. Deep $60.00

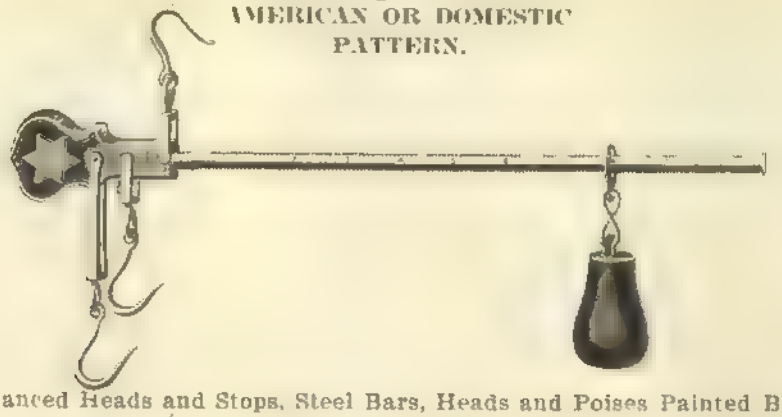
Arranged to Hold the Following Tools

Adzes,
Auger Bits,
Axes,
Braces,
Bread Axes,
Carpenters' Chisels,
Cold Chisels,
Drawing Knives,
Files,
Gouges,
Hammers,
Hatchets,
Planes,
Pliers,
Screw Drivers,
Slicks,
Back Saws,
Compass Saws,
Hand Saws,
Panel Saws,
Rip Saws,

Shipping Weight Each, Boxed, 282 Lbs.

Steelyards.

AMERICAN OR DOMESTIC PATTERN.



Balanced Heads and Stops, Steel Bars, Heads and Poises Painted Black.

Pounds	50	100	150	200	250	300
Weighs by Ounces	1	2	4	4	4	4
Weight Per Dozen, Lbs.	40	50	66	85	100	105
Per Dozen	$6.00	7.00	9.00	10.00	11.00	12.00

One-half Dozen in a Box

EXCELSIOR, FARMERS' PATTERN.

Balanced Heads and Stops Well Notched Steel Bars, Heads and Poises, Painted Red.

Pounds	50	100	150	200	250	300
Weighs by Ounces	1	2	4	4	4	4
Weight Per Dozen Lbs	41	52	68	90	110	115
Per Dozen	$9.00	10.00	12.00	15.00	18.00	21.00

One-half Dozen in a Box

Scale Beams.

Japanned, White Figures and Gold Stripes, Wrought Iron Hooks.

Pounds	200	250	300	360	400	450	500	600	700	800	1000
Wt., Poises, Lbs.	1 & 4	2 & 8	2 & 8	4 & 8	3 & 12	3 & 12	4 & 16	8 & 16	5 & 20	6 & 24	8 & 32
Weight Each, Lbs.	10	16	18	21	25	28	33	38	42	50	65
Each	$1.50	1.90	2.10	2.50	2.90	3.20	3.50	4.00	4.66	5.30	6.66

EXTRA POISES.

Weight, Lbs	1	2	3	4	5	6	8	12	16	20	24	32
Each	$0.25	.30	.40	.50	.60	.70	.85	1.10	1.50	1.70	2.40	2.90

200 to 500 Pounds, One-half Dozen in a Box with Poises, 600 to 800 Pounds, One-half Dozen in a Box, Poises Separate, 1000 Pounds, One-sixth Dozen in a Box, Poises Separate.

Broad Axes.

EVERKEEN, Special Pattern.

Extra Quality Cast Steel, Gold Bronzed, Cut 11 to 13 in.

Weights Assorted, Lbs	6 to 7	7 to 8½
Per Dozen	$44.00	46.00

BEATTY'S.

Beatty's, Canada Pattern.

Refined Cast Steel, Gold Bronzed, Polished Head and Bit, Cut 11 to 13 in.

Weights Assorted, Lbs	5½ to 6½	7 to 8½	9 to 11
Per Dozen	$42.00	46.00	50.00

One-half Dozen in a Box.

Butchers' Axes.

Per Dozen

No. 5—Extra Diamond Cast Steel, Red Finish, Weight Each 4 Lbs. $24.00

One Dozen in a Box

Firemen's Axes.

Per Dozen

No. 25—Extra Quality Tool Steel. Gold Bronzed, Polished Bit and Poll, 36 in. Best Hickory Handle, Painted Red, Weight Each 3½ to 4½ Lbs. $25.00

Ice Axes.

Per Dozen

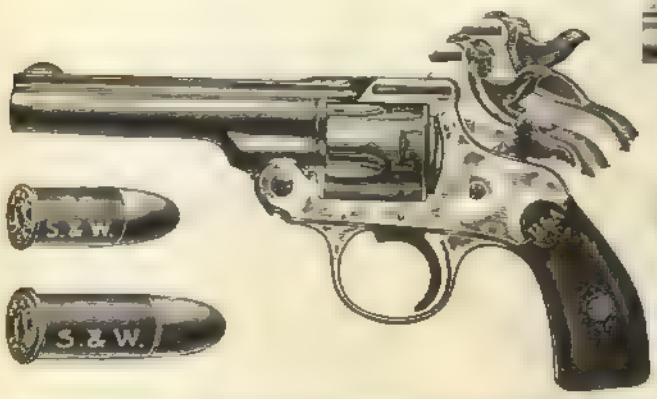
No. 50—Extra Quality Cast Steel, Red Finish. 2½ in. Round Edge Polished Bit, 30 in. Extra Hickory Handle, Weight Each 4 Lbs. $24.00

One Dozen in a Case.

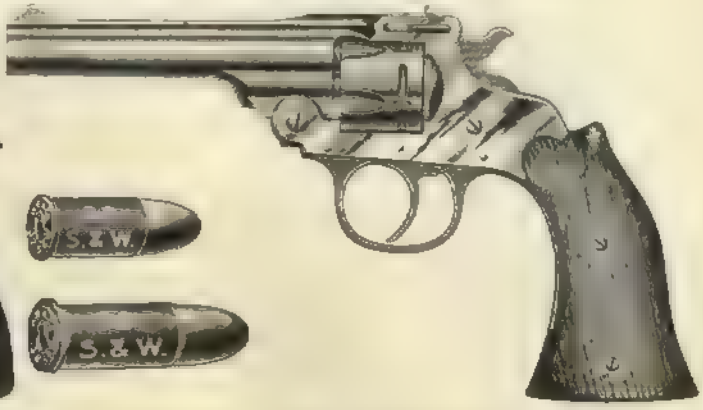
Revolvers.

HOPKINS & ALLEN ARMS CO.'S.

H. & A. SAFETY POLICE, HAMMER.



H. & A. SAFETY POLICE, HAMMER.



Automatic Shell Ejector Latest Improved Safety Hammer and Barrel Catch, Triple Action
Shoots S. & W. Center Fire Cartridges.

Nickel Plated, Wood Stock.

	Each
No. 432—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$5.50
No. 438—38 Caliber, C. F., 3¼ in. Barrel, 5 Shots	5.50

Blued, Wood Stock.

	Each
No. 432B—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$6.00
No. 438B—38 Caliber, C. F., 3¼ in. Barrel, 5 Shots	6.00

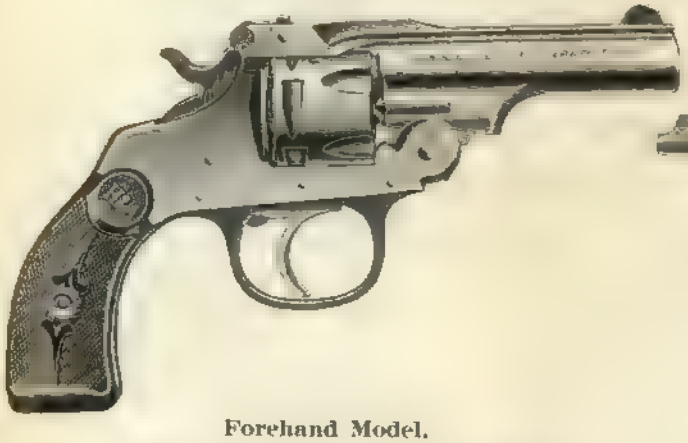
Nickel Plated, Walnut Army Grip.

	Each
No. 432½G—32 Caliber, C. F., 4 in. Barrel, 5 Shots	$9 00
No. 438½G—38 Caliber, C. F., 4 in. Barrel, 5 Shots	9 00

Blued, Walnut Army Grip.

	Each
No. 432½BG—32 Caliber, C. F., 4 in. Barrel, 5 Shots	$9.50
No. 438½BG—38 Caliber, C. F., 4 in. Barrel, 5 Shots	9.50

H. & A. HAMMER.



Forehand Model.

Automatic Shell Ejector, Rebounding Hammer, Rubber Stock.
Shoots S. & W. Center Fire Cartridges.

Nickel Plated.

	Each
No. 462—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$3.50

Blued.

	Each
No. 462B—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$3 75

H. & A. SINGLE SHOT, TARGET PISTOLS.

Single Action, Safety Hammer, Wood Stock.

Shoots 22 Long Rifle Rim Fire Smokeless Cartridges.

	Each
No. 400—22 Caliber, Rim Fire, 10 in. Barrel, Single Shot	$12.00

Revolvers.

HOPKINS & ALLEN ARMS CO.'S.

H. & A. HAMMER.

Double Action, Rebounding Hammer, Nickel Plated, Wood Stock.

Shoots S. & W. Center Fire Cartridges

	Each
No. 452 32 Caliber, Center Fire, 2½ in. Barrel, 5 Shots	$3 00
No. 458—38 Caliber, Center Fire 2½ in. Barrel, 5 Shots	3 00

H. & A., MODEL XL.

	Each
No. 402 22 Caliber, Rim Fire Cartridges 7 Shots, Double Action Nickel Plated, Wood Handle	$3 00
No. 412—32 Caliber, S. & W Center Fire Cartridges, 5 Shots, Double Action, Nickel Plated, Wood Handle	3 00

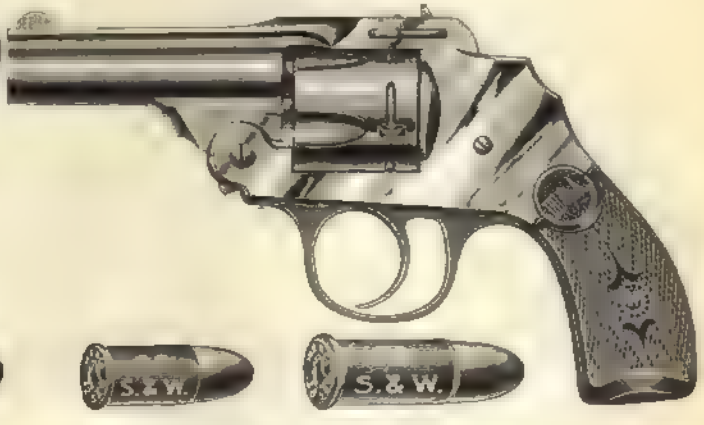
H. & A. SAFETY, HAMMER.

Double Action, Rebounding Hammer, Nickel Plated, Wood Stock.

Shoots S. & W. Center Fire Cartridges.

	Each
No. 482 32 Caliber, C. F., 2½ in Barrel 6 Shots	$3.00
No. 488—38 Caliber, C. F. 2½ in Barrel, 5 Shots	3.00

H. & A. HAMMERLESS.



Automatic Shell Ejector, Double Action, Wood Stock. Shoots S. & W. Center Fire Cartridges.

Nickel Plated.

	Each
No. 442—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$6.50

Blued.

	Each
No. 442B 32 Caliber, C. F., 3 in. Barrel, 5 Shots	$7.00

Revolvers.

HARRINGTON & RICHARDSON ARMS CO.'S.

H. & R. BICYCLE, HAMMER.

H. & R. BICYCLE, HAMMERLESS.

Automatic Shell Ejector, Double Action, Rubber Stock.

Shoots S. & W. Center Fire Cartridges

Nickel Plated.

Each

No. 735—32 Caliber, Center Fire, 2 in. Barrel, 5 Shots.....$5.50

Blued.

Each

No. 735B—32 Caliber Center Fire, 2 in Barrel, 5 Shots.....$6.00

Nickel Plated.

Each

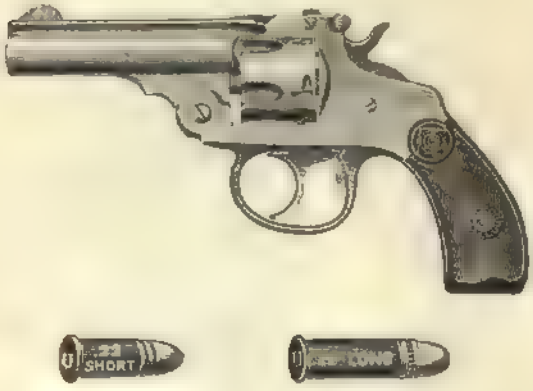
No. 749—32 Caliber, Center Fire, 2 in. Barrel, 5 Shots.....$6.50

Blued.

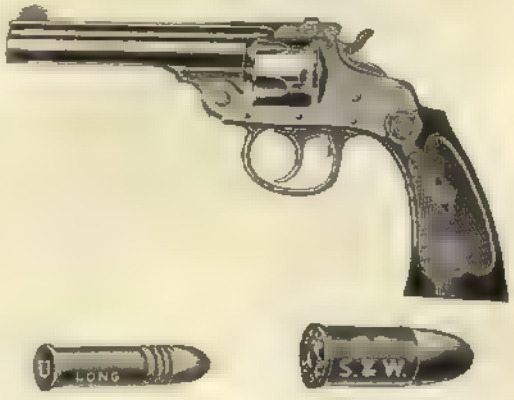
Each

No. 749B 32 Caliber Center Fire, 2 in. Barrel, 5 Shots.....$7.00

H. & R. PREMIER, HAMMER.



H. & R. PREMIER, HAMMER, WITH TARGET GRIP.



Automatic Shell Ejector, Double Action, Rubber Stock.

Nickel Plated.

Each

No. 722—22 Caliber, Rim Fire Short or Long and S. & W. Long Cartridges, 3 in. Barrel, 7 Shots $5.50

No. 732—32 Caliber, S. & W. Center Fire Cartridges, 3 in. Barrel, 5 Shots..... 5.50

Blued.

Each

No. 722BG—22 Caliber, Rim Fire, 6 in. Barrel, 7 Shots.....$7.00

Nickel Plated.

Each

No. 732G—32 Caliber, S. & W. Center Fire Cartridges, 4 in. Barrel, 5 Shots...$6.00

Revolvers.

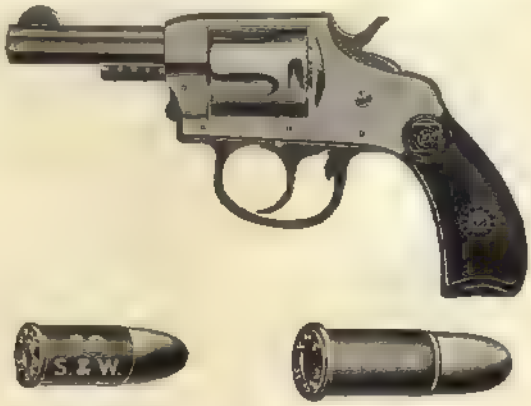
HARRINGTON & RICHARDSON ARMS CO.'S.

H. & R. YOUNG AMERICA, HAMMER.

Double Action, Small Frame, Nickel Plated, Rubber Stock.

		Each
No. 202	22 Caliber, Rim Fire, 2 in. Barrel, 7 Shots.	$3.00
No. 302	32 Caliber, Rim Fire, 2 in. Barrel, 5 Shots.	3 00
No. 212	32 Caliber, Center Fire, 2 in. Barrel, 5 Shots	3.00

H. & R. DOUBLE ACTION, HAMMER.



Double Action, Nickel Plated, Rubber Stock.

		Each
No. 252	32 Caliber, C. F., 2½ in. Barrel, 5 Shots	[illegible]
No. 252½	32 Caliber, C. F., 4½ in. Barrel, 5 Shots	3.25
No. 252¾	32 Caliber, C. F., 6 in. Barrel, 5 Shots.	3 50
No. 258	38 Caliber, C. F., 2½ in. Barrel, 5 Shots	3 00
No. 258½	38 Caliber, C. F., 4½ in. Barrel, 5 Shots.	3.25
No. 258¾	38 Caliber, C. F., 6 in. Barrel, 5 Shots.	3 50

H. & R. YOUNG AMERICA, SAFETY.

Double Action Nickel Plated, Rubber Stock
Shoots S. & W. Center Fire Cartridges.

		Each
No. 222	32 Caliber, C. F., 2 in. Barrel, 5 Shots....	$3 00

H. & R. AMERICAN SAFETY.

Shoots S. & W. Center Fire Cartridges

		Each
No. 282	32 Caliber, C. F., 2½ in. Barrel, 6 Shots	$3 00
No. 282½	32 Caliber, C. F., 4½ in. Barrel, 6 Shots	3 25
No. 288	38 Caliber, C. F., 2½ in. Barrel, 5 Shots	3 00
No. 288½	38 Caliber, C. F., 4½ in. Barrel, 5 Shots	3 25

H. & R. VEST POCKET SAFETY, HAMMER.

Double Action, Rubber Stock

Nickel Plated.

		Each
No. 292	22 Caliber, Rim Fire, 1⅛ in. Barrel, 7 Shots	$3 00

Blued.

		Each
No. 292B	22 Caliber, Rim Fire, 1⅛ in. Barrel, 7 Shots	$3 25

Heddon's Dowagiac Minnows.

The "Dowagiac" Minnows are made of selected cedar, which is chemically treated to prevent absorption of water, coated with special "Dowagiac" porcelain enamel. Every metal fitting, including Treble Hooks is Nickel Plated.

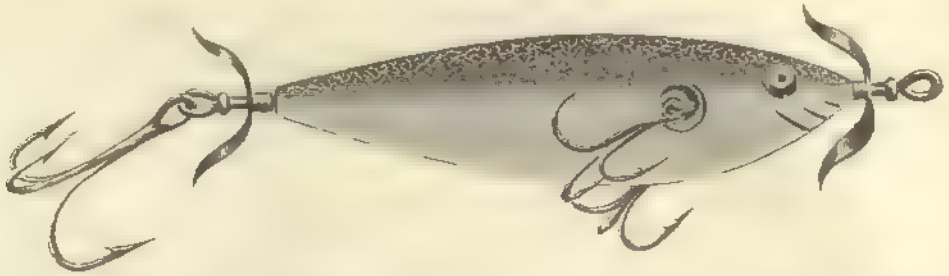
		Per Dozen
No. 100	—2¼ in. Body, Fancy Green Back, Two Nickel Plated Spinners, Three Treble Hooks	$7 80
No. 101	2¼ in. Body, Rainbow Finish, Two Nickel Plated Spinners, Three Treble Hooks	7 80
No. 102	2¼ in. Body, White Finish, Two Nickel Plated Spinners, Three Treble Hooks	7.80
No. 104	2¼ in. Body, Red Finish, Two Nickel Plated Spinners, Three Treble Hooks	7.80
No. 105	—2¼ in. Body, Yellow Finish, Two Nickel Plated Spinners, Three Treble Hooks	7.80
No. 107	—2¼ in. Body, Fancy Sienna Yellow Finish, Two Nickel Plated Spinners, Three Treble Hooks	7 80
No. 109A	2¼ in. Body, Yellow Perch Finish, Two Nickel Plated Spinners, Three Treble Hooks	7.80

One Dozen in a Box.

		Per Dozen
No. 150	3¼ in. Body, Fancy Green Back, Two Nickel Plated Spinners, Five Treble Hooks	$9.00
No. 151	—3¼ in. Body, Rainbow Finish, Two Nickel Plated Spinners, Five Treble Hooks	9.00
No. 152	3¼ in. Body, White Finish, Two Nickel Plated Spinners, Five Treble Hooks	9.00
No. 154	3¼ in. Body, Red Finish, Two Nickel Plated Spinners, Five Treble Hooks	9.00
No. 157	—3¾ in. Body, Fancy Sienna Yellow Finish, Two Nickel Plated Spinners, Five Treble Hooks	9 00
No. 159A	3¾ in. Body, Yellow Perch Finish, Two Nickel Plated Spinners, Five Treble Hooks	9 00
No. 177	—3⅜ in. Body, All White, Two Nickel Plated Spinners, Three Treble Hooks	9.00

One Dozen in a Box

MUSCALLONGE MINNOWS.

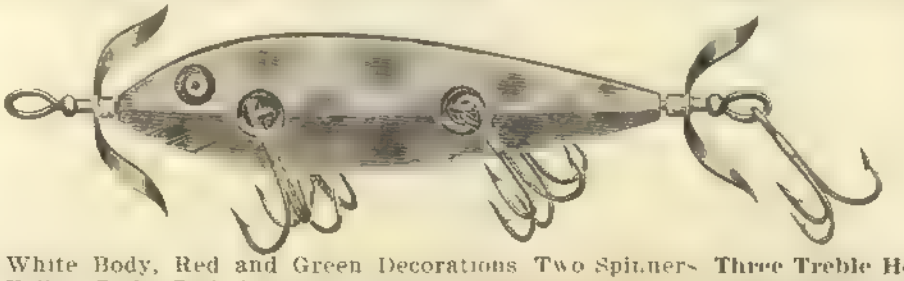


		Per Dozen
No. 700	—5½ in. Body, Fancy Green Back, Two Nickel Plated Spinners, Two No. 1 0 Nickel Plated Hollow Point Treble Side Hooks, One No. 8 0 Nickel Plated Hollow Point Treble Tail Hook	$12.00
No. 707	—5½ in. Body, Fancy Sienna Yellow Finish, Two Nickel Plated Spinners, Two No 1-0 Nickel Plated Hollow Point Treble Side Hooks, One No. 8 0 Nickel Plated Hollow Point Tail Hook	12 00
No. 709A	—5½ in. Body, Yellow Perch Finish, Two Nickel Plated Spinners, Two No 1-0 Nickel Plated Hollow Point Treble Side Hooks, One No 8 0 Nickel Plated Hollow Point Treble Tail Hook	12.00

One-half Dozen in a Box

Heddon's Dowagiac Minnows.

The "Dowagiac" Minnows are made of selected cedar which is chemically treated to prevent absorption of water, coated with special "Dowagiac" porcelain enamel. Every metal fitting, including Treble Hooks, is Nickel Plated.



		Per Dozen
No. 0—3	in White Body, Red and Green Decorations Two Spinners Three Treble Hooks	$7.80
No. 01—3	in. Yellow Body, Red, Green and Black Decorations, Two Spinners, Three Treble Hooks	7 80
No. 00 3½	in. White Body, Red and Green Decorations, Two Spinners, Five Treble Hooks	9.00
No. 001—3½	in Yellow Body, Red and Green Decorations, Two Spinners, Five Treble Hooks	9 00

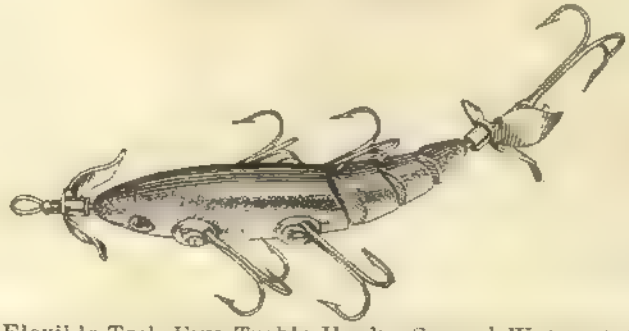
DOWAGIAC EXPERT SURFACE MINNOWS.

	Per Dozen
No. 200—4½ in Body, White Enameled Body, Red Collar and Blue Snout, Three Treble Hooks.	$7.80

One in a Box; One Dozen in a Package.

Wooden Minnows.

"MICHIGAN LIFELIKE."



Jointed Flexible Tail, Five Treble Hooks, Special Waterproof Finish

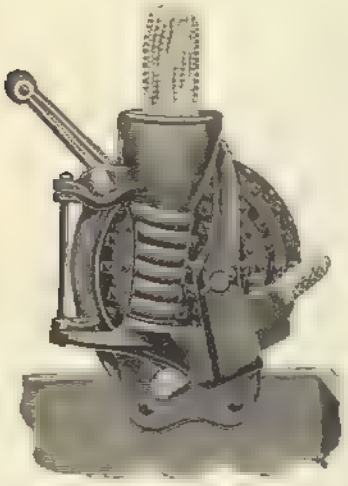
		Per Dozen
No. 1—3¾	in. Body, Light Green, Speckled Back, White Belly	$12.00
No. 7—3¾	in. Body, Brook Trout	12.00
No. 9—3¾	in. Body, Dark Back, Yellow Belly	12.00
No. 14—3¾	in. Body, Perch	12 00

Jointed Flexible Tail, Three Treble Hooks, Special Waterproof Finish.

		Per Dozen
No. 4—2¾	in. Body, Light Green, Speckled Back, White Belly	$9.00
No. 8—2¾	in. Body, Brook Trout	9.00
No. 10 2¾	in. Body, Dark Back, Yellow Belly	9.00
No. 15—2¾	in. Body, Perch	9.00

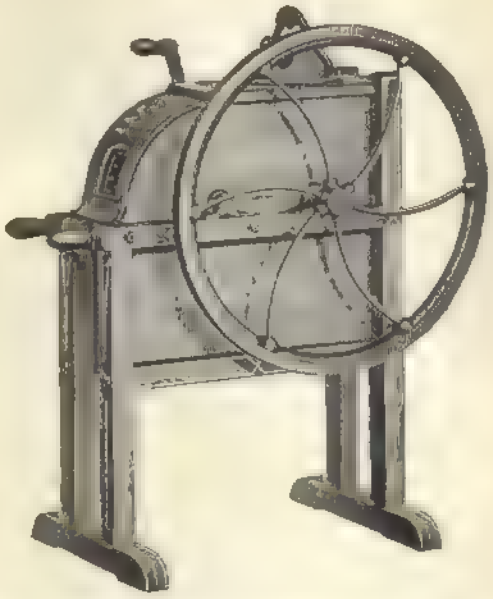
One in a Box, One Dozen in a Package

Corn Shellers.



Per Dozen

No. 15—Corn King Hand Shellers, Japanned Iron, Adjustable to Different Size Ears $15.00



Each

No. 20—Hocking Valley Improved Shellers, One Hole, without Feed Table or Fan, Weight Each 115 Lbs..... $10.00

Fans, for No. 20 Shellers..... .80

Feed Tables, for No. 20 Shellers..... .40

Cranks, for No. 20 Shellers..... 1.00

Balance Wheels, for No. 20 Shellers..... 3.00

Corn Shock Tighteners.

BADGER.

Per Dozen

Badger—Without Rope, for Compressing Corn Shocks, Made Heavy to Stand Abuse $6.00

One Dozen in a Box.

HOLDFAST.

Per Dozen

Holdfast—With 12 ft. Rope, for Drawing Large Shocks up Tightly, Ready for Twine or Other Bands.. $2.40

Seed Carriers.

HANDY.

For Carrying all Kinds of Seeds.

Per Dozen

No. 10—Handy, Extra Heavy White Canvas Ducking, ½ in. Steel Band on Top Edge, Shaped to Fit the Body, with Canvas Shoulder Strap and Buckles .$8.00

Loose.

Grain Seeders.

LIGHTNING.

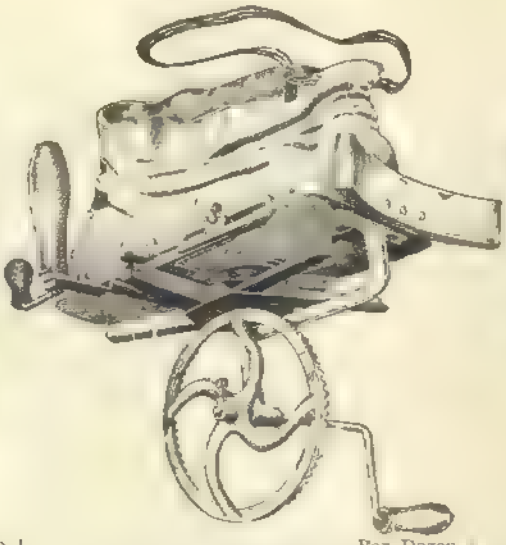
Per Dozen

Lightning—Large Canvas Bag with Strap to Go Over Shoulder, 3 Section Tin Tube, Graduating Diameter, Length 22 in. . $16.00

The larger end of Tube fits into a Stub Joint which is securely fastened to bag. The Stub Joint contains a gauge to regulate the quantity of seed sown to a certain area.

This Seed Sower will sow Clover, Timothy, Millet, etc.

PERFECTION JR.



Per Dozen

Perfection Jr.—Malleable Iron Frame, Steel Base, Malleable Iron Bevel Wheels, Enameled Steel Hopper, Strong Cloth Bag $18.00

Will sow Wheat, Rye, Oats, Rice, Flax, Millet, Turnip Seed, Clover Seed, Grass Seed, etc. Also Plaster, Fertilizer, Salt and Ashes.

One-twelfth Dozen in a Box.

CYCLONE.

Per Dozen

Cyclone—Broadcast Hand Seeder, Diameter of Distributing Wheel 11 in., 8 in. Pressed Tin Dish, Slope Feed Board, Vibrate Feed . $24 00

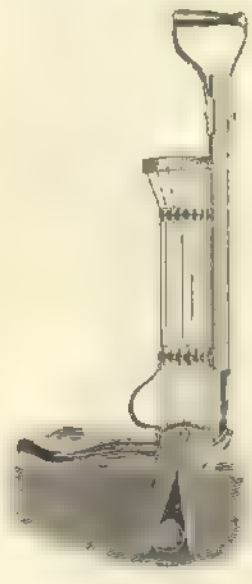
Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Bone Dust, Red Top, Turnip, Millet, Corn, Cotton or any other grain and seeds. Distributes the seed evenly and does the work perfectly.

One-third Dozen in a Crate.

Potato Planters.

ACME.

INVINCIBLE.



SHEFFIELD.

Per Dozen

No. 1—Acme, Height 40 in., Steel Blade, Wood Handle, Weight Per Dozen 40 Lbs. . $11 00

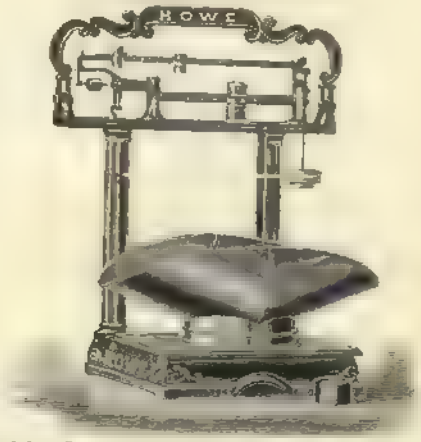
No. 5—Invincible, Wire Tube, Adjustable Handle, Spade Pointed Jaw, Will Not Clog, Weight Per Dozen 70 Lbs. 20 00

No. 10—Sheffield, Galvanized Wire Tube, Adjustable Handle, Will Not Clog, Weight Per Dozen 75 Lbs. 20 00

No. 1 . . Dozen; No. 5 and 10, One-half Dozen in a Crate.

Howe Scales.

VERMONT COUNTER.



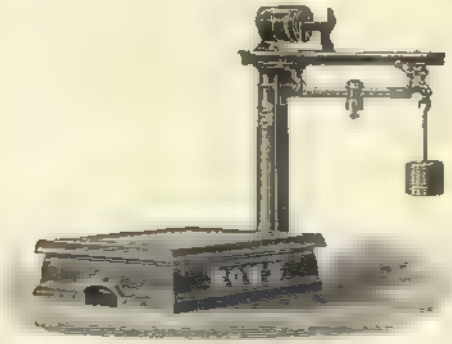
Finished in Vermilion and Gold, Highly Ornamented. Nickel Plated Double Beam and Sliding Poises. Beam Graduated on Both Sides, Upper Bar 1 Ounce to 10 Pounds, Lower Bar 8 Ounces to 40 Pounds, Total Capacity of Scale 200 Pounds.

	Each
No. 593—Extra Large Tin Scoop, Platform 15x12 in., Weighs 1 Oz. to 200 Lbs	$24.00
No. 594—Extra Large Brass Scoop, Platform 15x12 in., Weighs 1 Oz. to 200 Lbs	25.00
No. 597—With Scoop, Platform 15x12 in., Weighs 1 Oz. to 200 Lbs.	22.50
No. 598—Without Scoop, Marble Platform 15x12 in., Weighs 1 Oz. to 200 Lbs.	24.00

The Above Scales can be Furnished with Agate Bearings at an Additional Cost of $5 00 Each.

Can be used with or without scoop, have a large platform in proportion to Counter Room occupied. The Beam being set back, will not interfere with high packages, and being placed above the Platform can be easily read by both merchant and customer.

PLATFORM COUNTER.



Made Entirely of Metal with a Pillar Only of Sufficient Height to be Convenient for Weighing when the Scale Rests on the Counter.

	Each
No. 348—Single Brass Beam, Platform 13x19 in., Weighs 2 Oz. to 300 Lbs.	$19 00
No. 502—Single Brass Beam, Platform 13x19 in., Weighs ½ Oz. to 300 Lbs.	24.00

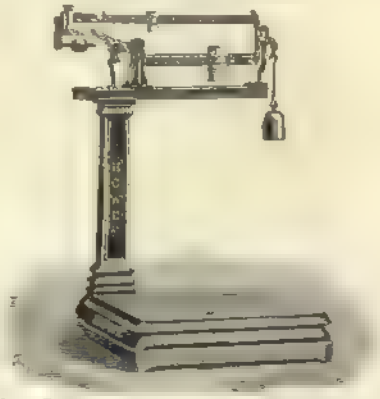
PLATFORM.

Tall Pillar, for Floor Use

	Each
No. 501—Single Brass Beam, Platform 13x19 in., Weighs 2 Oz. to 300 Lbs.	$21.00

One in a Box.

ACME COUNTER.



Finished in Vermilion, with Gold Ornamentation, Nickel Plated Double Beam and Sliding Poises. The Upper Bar of Beam is Graduated by 1 Ounce to 10 Pounds, the Lower Bar, 8 Ounces to 40 Pounds, Total Capacity of Scale, 100 Pounds.

	Each
No. 810—Tin Scoop Platform 12x12 in., Weighs 1 Oz. to 100 Lbs.	$17 50
No. 812—Brass Scoop, Platform 12x12 in., Weighs 1 Oz. to 100 Lbs.	19.00
No. 814—Without Scoop, Platform 12x12 in., Weighs 1 Oz. to 100 Lbs.	16.00
No. 815—Without Scoop, Marble Platform, 12x12 in., Weighs 1 Oz. to 100 Lbs.	17.50
No. 817—Brass Scoop, Marble Platform, 12x12 in., Weighs 1 Oz. to 100 Lbs.	20.50

The above Scales can be furnished with Agate Bearings at an additional cost of $5.00 Each.

Howe Scales.

EVEN BALANCE.

Tin Scoop, Beveled Side Beam, Rubber Tipped Horns

	Each
No. 396—Weighs ⅛ Oz. to 2 Lbs...	$ 5.75
No. 392—Weighs ⅛ Oz. to 6 Lbs	6.75
No. 388—Weighs ¼ Oz. to 10 Lbs	8 00
No. 384—Weighs ¼ Oz. to 16 Lbs.....	10.50

Brass Scoop, Beveled Side Beam, Rubber Tipped Horns.

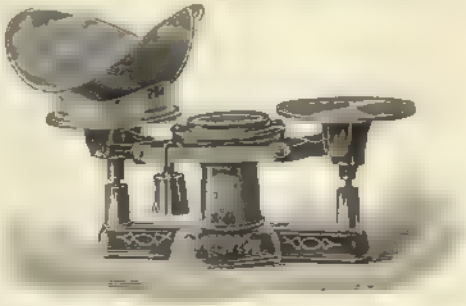
	Each
No. 394—Weighs ⅛ Oz. to 2 Lbs.....	$ 6.25
No. 390—Weighs ¼ Oz to 6 Lbs	7 50
No. 386—Weighs ¼ Oz to 10 Lbs.	9 00
No. 382—Weighs ¼ Oz. to 16 Lbs.	11 50

Tin Funnel Scoop, Beveled Side Beam, Rubber Tipped Horns.

	Each
No. 413—Weighs ⅛ Oz. to 2 Lbs.	$ 6 50
No. 411—Weighs ⅛ Oz. to 6 Lbs	7 50
No. 409—Weighs ¼ Oz. to 10 Lbs	9 00
No. 407—Weighs ¼ Oz to 16 Lbs	11.50

Brass Funnel Scoop, Beveled Side Beam, Rubber Tipped Horns.

	Each
No. 412—Weighs ⅛ Oz to 2 Lbs	$ 7 25
No. 410—Weighs ⅛ Oz to 6 Lbs	8 50
No. 408—Weighs ¼ Oz. to 10 Lbs.	10 50
No. 406—Weighs ¼ Oz. to 16 Lbs.	13 00



Tin Scoop, Beveled Side Beam, with Two Iron Plates.

	Each
No. 460—Weighs ⅛ Oz. to 2 Lbs.....	$ 7.00
No. 454—Weighs ¼ Oz to 6 Lbs	7 75
No. 448—Weighs ¼ Oz to 10 Lbs	9 50
No. 442—Weighs ¼ Oz to 16 Lbs	12 00

Brass Scoop Beveled Side Beam, with Two Iron Plates.

	Each
No. 462—Weighs ⅛ Oz to 2 Lbs	$ 7 75
No. 456—Weighs ¼ Oz to 6 Lbs	8 50
No. 450—Weighs ¼ Oz to 10 Lbs	10 50
No. 444—Weighs ¼ Oz. to 16 Lbs.....	13.00

BUTTER.

Even Balance, Side Beam, One Porcelain and One Iron Plate.

	Each
No. 478—Weighs ⅛ Oz. to 6 Lbs.....	$ 8 25
No. 476—Weighs ¼ Oz. to 10 Lbs.	10.50
No. 474—Weighs ¼ Oz. to 16 Lbs.....	13 00

Double Beam, Graduated by ½ Oz. to 3 Lbs. on Each Bar, Square Porcelain Plate.

	Weighs	Each
No. 596—Without Scoop, ½ Oz. to 25 Lbs..		$11.00
No. 465—With Tin Scoop,	½ Oz. to 36 Lbs..	14.50
No. 467—Without Scoop,	½ Oz. to 36 Lbs..	13.00
No. 466—With Tin Scoop,	½ Oz. to 62 Lbs..	16.50
No. 464—Without Scoop,	½ Oz. to 62 Lbs..	15.00

One in a Box.

Howe Scales.

EVEN BALANCE.

Tin Scoop, Beveled Side Beam, Rubber Tipped Horns

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No. 384—Weighs ¼ Oz. to 16 Lbs.....	10.50

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Tin Funnel Scoop, Beveled Side Beam, Rubber Tipped Horns.

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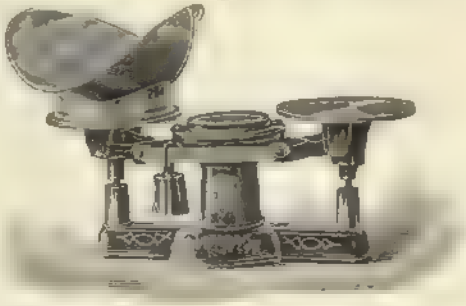

Tin Scoop, Beveled Side Beam, with Two Iron Plates.

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No. 474—Weighs ¼ Oz. to 16 Lbs.....	13 00

Double Beam, Graduated by ½ Oz. to 3 Lbs. on Each Bar, Square Porcelain Plate.

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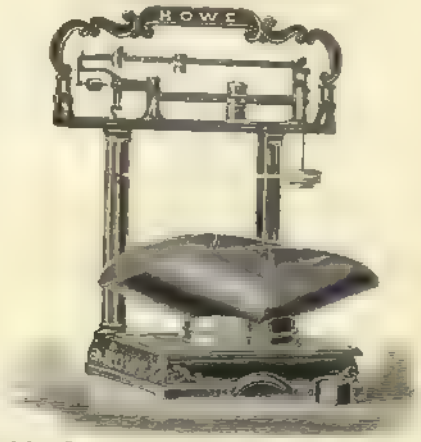
One in a Box.

Howe Scales.

VERMONT COUNTER.



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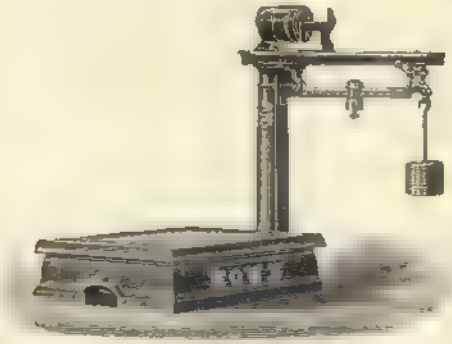

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Tall Pillar, for Floor Use

	Each
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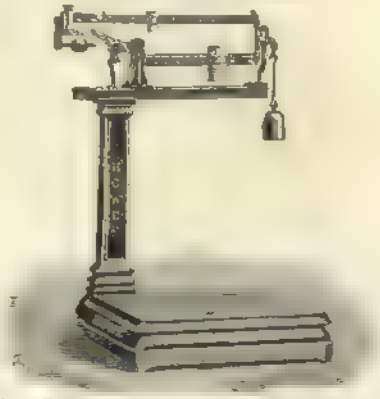
ACME COUNTER.



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No. 817—Brass Scoop, Marble Platform, 12x12 in., Weighs 1 Oz. to 100 Lbs.	20.50

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Revolvers.

IVER JOHNSON ARMS AND CYCLE WORKS.

I. J. HAMMER.

Nor-Ejector, Double Action, Rubber Stock.

Nickel Plated.

	Each
No. 602—22 Caliber, Rim Fire, 2½ in. Barrel, 7 Shot.	$3.00
No. 603—32 Caliber, Rim Fire, 2½ in. Barrel, 5 Shot.	3.00

I. J. SAFETY HAMMER.

Automatic Ejector, Double Action, Rubber Stock

Nickel Plated.

	Each
No. 622—22 Caliber, Rim Fire, 3 in. Barrel, 7 Shot.	$5.50

Blued.

	Each
No. 622B—22 Caliber, Rim Fire, 3 in. Barrel, 7 Shot.	$6 00

I. J. SAFETY HAMMER.

Automatic Shell Ejector, Double Action, Rubber Stock, Shoots S. & W. Center Fire Cartridges

Nickel Plated.

	Each
No. 632—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$5 50
No. 632½—32 Caliber, C. F., 4 in. Barrel, 5 Shots	6 00
No. 632¾—32 Caliber, C. F., 6 in. Barrel, 5 Shots	7.00
No. 638—38 Caliber, C. F., 3¼ in. Barrel, 5 Shots	5 50

Blued.

	Each
No. 632B—32 Cal., C. F., 3 in. Barrel, 5 Shots.	$6.00
No. 632½B—32 Cal., C. F., 4 in. Barrel, 5 Shots.	6.50
No. 632¾B—32 Cal., C. F., 6 in. Barrel, 5 Shots	7 50
No. 638B—38 Cal., C. F., 3¼ in. Barrel, 5 Shots	6 00

Revolvers.

IVER JOHNSON ARMS & CYCLE WORKS.

I. J., HAMMERLESS.

Automatic Shell Ejector, Double Action, Rubber Stock, Shoots S. & W. Center Fire Cartridges

Nickel Plated.	Each	Blued.	Each
No. 642—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$6.50	**No. 642B**—32 Caliber, C. F., 3 in. Barrel, 5 Shots	$7.00
No. 648—38 Caliber, C. F., 3¼ in. Barrel, 5 Shots	6.50	**No. 648B**—38 Caliber, C. F., 3¼ in. Barrel, 5 Shots	7.00

I. J., SAFETY HAMMER, WESTERN WALNUT GRIP.

Automatic Shell Ejector, Double Action, **Western Walnut Grip.**

Nickel Plated.	Each	Blued.	Each
No. 652G—32 Caliber S. & W. Long or 32 Colt New Police, 4 in. Barrel, 6 Shot	$8.00	**No. 622BG**—22 Cal. Rim Fire, 6 in. Barrel, 7 Shot	$10.00
Shoots 32 Caliber S. & W. Long or 32 Colt New Police C. F. Cartridges.		Shoots 22 Caliber Short, Long and S. & W. Long Rim Fire Cartridges.	
No. 638G—38 Caliber, 4 in. Barrel, 5 Shot	8.00	**No. 652BG**—32 Caliber, S. & W. Long or 32 Colt New Police, 4 in. Barrel, 6 Shot	8.50
Shoots 38 Caliber S. & W. C. F. Cartridges.		Shoots 32 Caliber S. & W. Long or 32 Colt New Police, C. F. Cartridges	
		No. 638BG—38 Caliber, 4 in. Barrel, 5 Shots	8.50
		Shoots 38 Caliber S. & W. C. F. Cartridges	

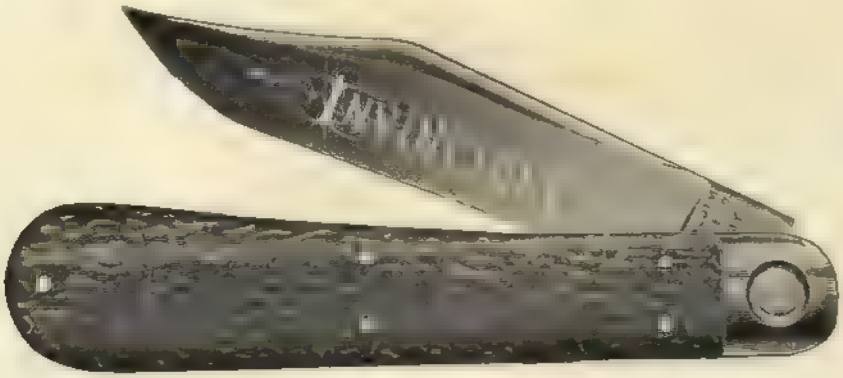
Pocket Knives.

JOHN ENGSTROM'S SWEDISH.

Finest Quality Razor Steel, Full Crocus Finish Blade.

		Per Dozen
No. 0—5	in. Blade, 5⅛ in. when Closed, 8⅝ in. Full Length, Heavy Pattern, Oval Wood Handle	$17 00
No. 01—4	in. Blade, 5¼ in. when Closed, 8⅛ in. Full Length, Light Pattern, Oval Handle	14 00
No. 1—3¼	in. Blade, 4⅝ in. when Closed, 7¼ in. Full Length, Oval Wood Handle	13.00

PUSH BUTTON HUNTING.



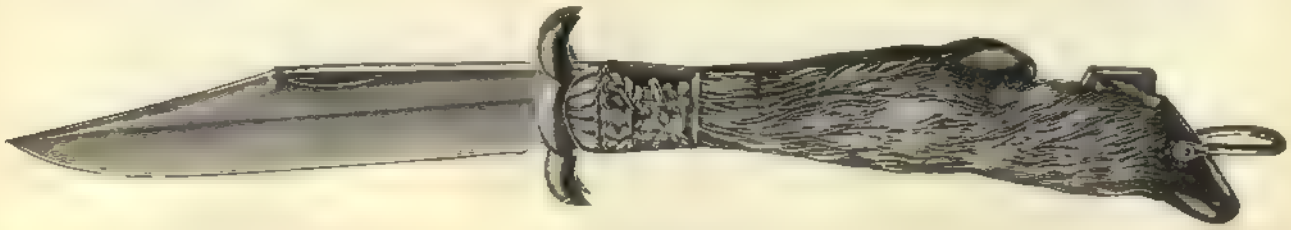
Per Dozen

No. 1000 4 in. Blade, Stag Handle, Steel Lined, German Silver Bolster, Push Button Lock, Crocus Finish $14.00

Per Dozen

No. 1005—4 in. Blade Stag Handle, Steel Lined German Silver Bolster, Push Button Lock, With Guard, Crocus Finish $16.00

WESTERN DEER FOOT HUNTING.



Per Dozen.

No. C1100 3¼ in. Blade Deer Foot Handle, Brass Lined German Silver Guard, Bolster and Cap .$18.00

One-half Dozen in a Box.

Show Cases.

CUTLERY.

No. 55—Antique Oak 4 ft 6 in Long 15 in. High, 27½ in Deep, Double Thick French Glass ..... Each $30 00

This Case has a Plush Lined Tray, divided into spaces to show 56 Patterns of Pocket Knives, 4 Patterns of Shears, 9 Patterns of Scissors, and 3 Patterns of Razors. Also two Drawers under Tray, for Stock, with divisions to correspond with Tray

Show Case Stands.

No. 2—2 Legs, Cast Iron, Japanned, Height 29 in..... Each $5.75

No. 3—3 Legs, Cast Iron, Japanned, Height 29 in... Each $8.50

When Ordering Specify Length of Case for which Stand is Wanted

Single Bitted Axes.

KELLY'S SILVER EAGLE.

Wisconsin Pattern.

Michigan Pattern.

Kelly's Silver Eagle—Solid Steel, Gas Tempered, Natural Finish, Hollow Ground Bit, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$12.50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	13.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	13.50

One Dozen in a Box.

Single Bitted Axes.

VULCAN.

Wisconsin Pattern. **Michigan Pattern.**

Vulcan Extra Quality Steel, Hand Made, Black Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$11.00
Group No. 2—Consisting of 3½ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	11.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs	12.00

One Dozen in a Box

Double Bitted Axes.

BLACK GIANT.

Wisconsin Pattern.

Michigan Pattern.

Black Giant—English Refined Cast Steel, Hand Hammered, Black Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$19.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs	19.25
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	19.50

One Dozen in a Box.

Double Bitted Axes.

KELLY'S SILVER EAGLE.

Wisconsin Pattern.

Michigan Pattern.

Kelly's Silver Eagle—Solid Steel, Gas Tempered, Natural Finish, Hollow Ground Bit, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$18.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	18.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	19.00

One Dozen in a Box.

Liquid Glue.

LE PAGE'S.

No. 9.

Nos. 10 and 11.

Nos. 12 and 13.

Nos. 14 and 16

Family Size.

	Per Gross
No. 9—In 1 Oz. Collapsible Tubes	$12.75
No. 10—In 1 Oz. Bottles	12.75
No. 11—In 2 Oz. Bottles	19.80
No. 12—In ½ Gill Cans	19.80
No. 13—In 1 Gill Cans	26.40

One Dozen in a Box.

Mechanics'.

	Per Dozen
No. 14—In ½ Pint Cans	$ 3 25
No. 15—In 1 Pint Cans	5 40
No. 16—In 1 Quart Cans	9 50
No. 17—In ½ Gallon Cans	18 50
No. 18—In 1 Gallon Cans	36.00

No. 14, Two Dozen; Nos. 15 and 16, One Doz... Nos. 17 and 18, One-half Dozen in a Case

	Per Gallon
No. 19—In 5 Gallon Cans	$2.80

One Can in a Box

Sheet Glue.

	Per Pound
No. 1—Cabinet Makers'	$0.21
No. 2—Cabinet Makers'	.23
No. 3—Ribbon	.30
No. 4—Extra White	.32

Liquid Glue Assortments.

	Per Case
No. 20—Assortment, Containing 2 Dozen No. 10 and 1 Dozen No. 12 Family Size, with Display Stand	$3.75

One Assortment in a Case.

Glue Kettles.

Cast Iron, Japanned
White Enameled Inside.

Nos.	00	0	1	2	3
Per Dozen	$5.50	6.00	6.75	8.40	10.20

Tinned Inside.

Nos.	00	0	1	2	3
Per Dozen	$5.50	6.00	6.75	8.40	10.20

Fix-All Cement.

	Per Dozen
Fix-All Cement In Tin Boxes	$1.20

For Mending Enameled Ware, Tin Ware, China, Furniture, etc.

Double Barrel Shot Guns.

BAKER HAMMERLESS.

Batavia Special.

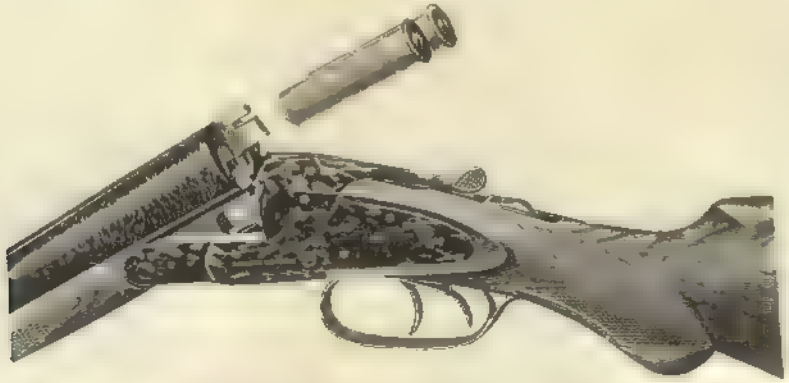
Top Lever Action, Rebounding Locks, Drop Forged Tool Steel Frame and Parts, Matted Extended Rib, Checkered Full Pistol Grip, Patent Fore End, Plain Grained Imported Walnut Stock and Fore End, Rubber Butt Plate, Both Barrels Choke Bored.

	Each
No. BS —12 Gauge, 30 in. Blued Steel Barrels, Weight 7¼ to 8 Lbs.	$30.00
No. BS-6—16 Gauge, 28 in. Blued Steel Barrels, Weight 5¾ to 6½ Lbs.	30.00

Batavia Leader.

Top Lever Action, Rebounding Locks, Drop Forged Tool Steel Frame and Parts, Highly Polished and Carefully Hand Fitted, Matted Extended Rib, Half Pistol Grip, Checkered and Polished, Oil Finish, Plain Grained Imported Walnut Stock and Fore-End, Ebony Tipped, Rubber Butt Plate, Both Barrels Choke Bored.

	Each
No. BL—12 Gauge, 30 in. London Twist Steel Barrels, Weight 7¼ to 8 Lbs.	$33.00



Batavia Leader, Automatic Ejector.

Top Lever Action, Rebounding Locks, Drop Forged Tool Steel Frame and Parts, Highly Polished and Carefully Hand Fitted, Matted Extended Rib, Half Pistol Grip, Checkered and Polished, Oil Finish, Plain Grained Imported Walnut Stock and Fore-End, Ebony Tipped, Rubber Butt Plate, Both Barrels Choke Bored.

	Each
No. BLA—12 Gauge, 30 in. London Twist Steel Barrels, Weight 7¼ to 8 Lbs.	$48.00

Double Barrel Shot Guns.

LEFEVER HAMMERLESS.

No 23

"E" Grade, Automatic Ejector.

Top Lever Action, Rebounding Locks, Automatic Safety, Matted Extended Rib, Richly Checkered and Engraved, Full Pistol Grip and Patent Fore-End, Rubber Cap, English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

	Each
No. 23E—12 Gauge, 30 in. Krupp Steel Barrels, Weight 7¼ to 8 Lbs.	$115.00

Ideal "G" Grade, Plain Ejector.

Top Lever Action, Rebounding Locks, Automatic Safety, Matted Extended Rib Checkered Full Pistol Grip and Patent Fore-End, Rubber Cap Line Engraving, English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

	Each
No. 25—12 Gauge, 30 and 32 in Damascus Steel Barrels Weight 7¼ to 8 Lbs	$57 00

Ideal "G" Grade, Automatic Ejector.

	Each
No. 25E—12 Gauge, 30 and 32 in Fine Blued Steel Barrels, Weight 7¼ to 8 Lbs	$72.00

No 28

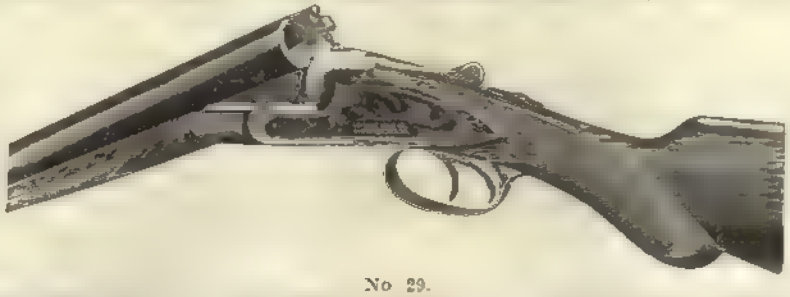
Top Lever Action Rebounding Locks Automatic Safety, Matted Extended Rib, Checkered Full Pistol Grip, Engraved Patent Fore-End, Rubber Cap, English Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored.

"H" Grade, Plain Ejector.

	Each
No. 28—12 Gauge, 30 in. London Twist Steel Barrels, Weight 7¼ to 8¼ Lbs	$44 00

"H" Grade, Automatic Ejector.

	Each
No. 28E 12 Gauge, 30 and 32 in London Twist Steel Barrels Weight 7¼ to 8¼ Lbs	$59 00



No 29.

Top Lever Action, Rebounding Locks, Automatic Safety, Matted Extended Rib, Checkered Half Pistol Grip Patent Fore-End, Rubber Cap Imported Walnut Stock, Rubber Butt Plate, Both Barrels Choke Bored

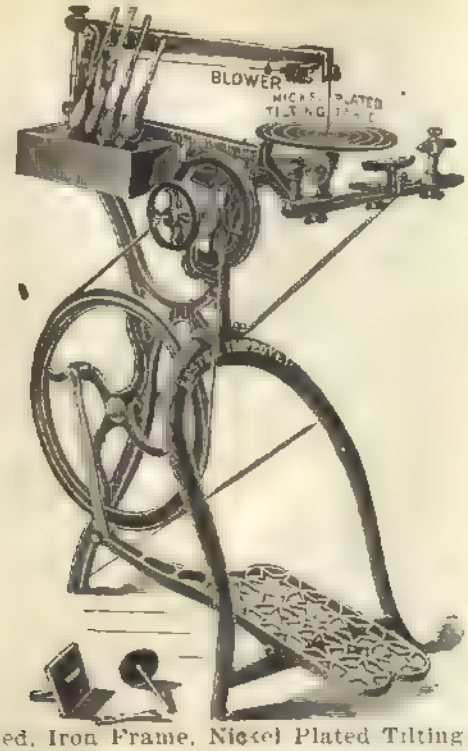
Durston Special "I" Grade, Plain Ejector.

	Each
No. 29—12 Gauge, 30 and 32 in. Black Dura Nitro Steel Barrels, Weight 7¼ to 8¼ Lbs	$37 00
No. 2916—16 Gauge, 28 in. Black Dura Nitro Steel Barrels, Weight 6½ to 7 Lbs.	37.00
No. 2920—20 Gauge, 28 in. Black Dura Nitro Steel Barrels, Weight 5½ to 6 Lbs.	37.00

Durston Special "I" Grade, Automatic Ejector.

	Each
No. 29E 12 Gauge 30 and 32 in Black Dura Nitro Steel Barrels, Weight 7¼ to 8¼ Lbs	$52 00

Scroll Saws.



Each

No. 3—Lester's Improved, Japanned, Iron Frame, Nickel Plated Tilting Table, with Lathe, 3 in. Circular Saw and Emery Wheel.....$10.00

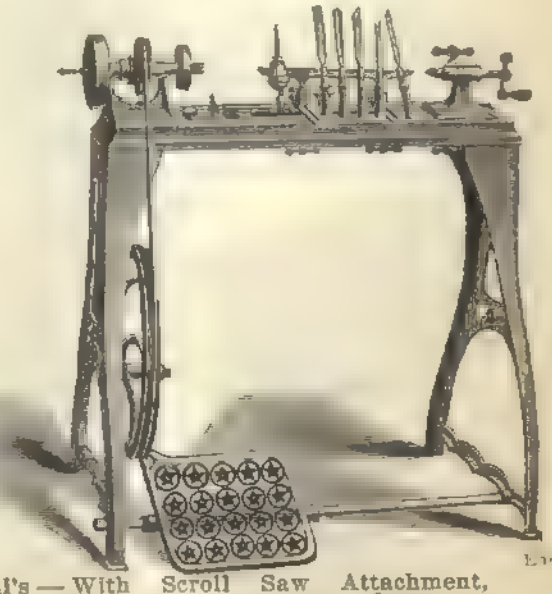
Weight Each, Boxed, 55 Lbs.

Lathes and Scroll Saws.

Each

Companion—With Scroll Saw Attachment, Length of Lathe Bed 24 in., Swing of Lathe 5 in. Distance Between Centers 15 in $8.50

Weight Each, Boxed 78 Lbs



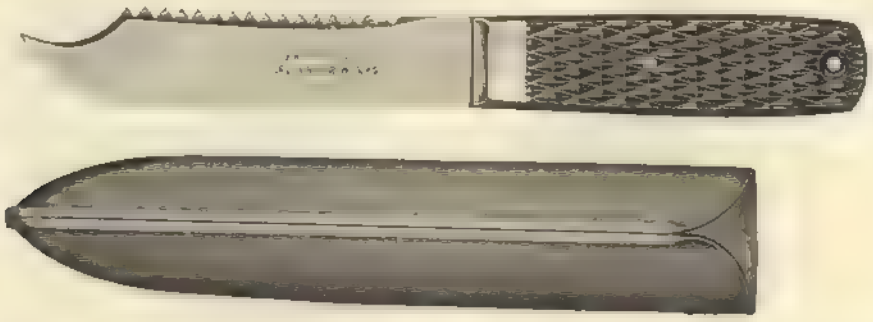
Each

Goodell's — With Scroll Saw Attachment, Length of Lathe Bed 24 in., Swing of Lathe 5 in. Distance Between Centers 13½ in. $11.50

Weight Each, Boxed, 78 Lbs.

Each Lathe is supplied with a [illegible] Emery Wheel and other Tools made for [illegible] with the Machine.

Fishermen's Knives.



	Per Dozen
No. 1540—Russell's, 4¾ in. Blade, Scored Cocobolo Handle, Lap Bolster, **with Leather Sheath**	$7.50
No. 1541—Russell's, 4¾ in. Blade, Scored Cocobolo Handle, Lap Bolster, **without Leather Sheath**	6.00

One-half Dozen in a Box.

Canoe Knives.

Per Dozen

No. 51—Marble's, Blade 4½ in. Long, [illegible] in. Thick, Full Hollow Ground, Laminated Leather Handle, 3¾ in. Long, with Leather Sheath $27.00

One-half Dozen in a Box.

Fish Knives.

Per Dozen

No. 2—Marble's, Best Hand Tempered Steel Blade, 2½ in. Long, Cocobolo Handle, German Silver Shield, with Thumb Rest and Leather Sheath $10.25

No. 200—Cast Steel Blade, Beechwood Handle.

Length of Blade, Inches.	3½	4	4½	5
Per Dozen	$3.00	3.00	3.00	3.00

One-half Dozen in a Box

Fish Balances.

Per Dozen

No. 10—Brass, Nickel Plated, Weighs 10 Pounds by ¼ Pound $6.00
No. 20—Brass, Nickel Plated, Weighs 20 Pounds by ¼ Pound 8.00

No. 10, One Dozen, No. 20, One-half Dozen in a Box

Per Dozen

No. 15—Utility, Nickel Plated, Weighs 15 Pounds by ¼ Pound $5.00

This Scale can be made to register the net weight of goods weighed in a container by means of an inner adjustable tube.

One-half Dozen in a Box.

Marble's Game Getter Gun.

TARGET RIFLE OR PISTOL.

	Each
No. A—22 Caliber Rim Fire and 44 Caliber Center Fire Cartridges, 12 in. Round Blued Barrels Drop Forged Blued Frame, Single Trigger Rubber Grips, Nickeled Steel Tubing Stock, Weight 2¼ Lbs Equipped with Marble's Flexible Rear Sight, Lock Leaf Sight and Ivory Bead Sight, Finest Case Leather Holster	$18 00
No. B—As Above, without Flexible Rear Sight, but with Blank	15.00

CONSTRUCTION AND USES.

Marble's Game Getter gun can be opened as quick as a wink, but never accidentally

Either barrel is used without any change of sight or adjustment.

The Striker on Hammer is quickly set with the thumb for either barrel or at **Safe.** The Folding Stock locks automatically at any drop for which it is set. Is easily removed

With the Holster hung over shoulder and under coat the **Game Getter** is invisible, but can be speedily drawn and very handily used in one hand with stock hanging down or thrown to position In either place the stock only aids in the balance of the gun.

Marble's Game Getter is the ideal arm for Fisherman, Motorist and Vacationist, and all classes of people whose business or pleasure calls them to the woods, fields or waters.

The Big Game Hunter with a **Game Getter** for a side arm secures with little noise and no mutilation the small game he runs across and enjoys target practice without the jar and expense of firing his heavy ammunition

The **Game Getters** utility, simplicity of construction, careful design, perfect safety, absolute reliability and superior accuracy are the qualities which are making it famous the world over.

The **Game Getter** can be safely used with smokeless powder.

Repeating Rifles.

STEVENS', VISIBLE LOADING.

Showing "Visible Loading" Feature

Visible Loading, One Piece Magazine Tube and Breech Block, Case Hardened Frame, Varnished Stock and Slide Handle, Rubber Butt Plate, Bead Front and Sporting Rear Sight.

	Each
No. 70—22 Caliber Short, Long and Long Rifle Rim Fire Cartridges 20 in. Round Barrel... Magazine holds 15 .22 Short, 12 .22 Long and 9 .22 Caliber Long Rifle Cartridges.	$9 00

Repeating Rifles.

REMINGTON, STANDARD.

Take Down, Hammerless.

Solid Breech, Side Ejector, Straight Grip, Walnut Stock, Rubber Butt Plate.

Each

No. 1 .22 Caliber Short, Long and Long Rifle Rim Fire Cartridges, 22 in. Round Barrel, Weight About 4½ Lbs $12.65

Magazine holds 14 .22 Short 11, 22 Long or 10 Long Rifle Cartridges

REMINGTON, GALLERY SPECIAL.

Take Down, Hammerless.

Solid Breech, Side Ejector, Pistol Grip, Walnut Stock, Steel Rifle Butt Plate.

Each

No. 2—22 Caliber Short Rim Fire Cartridge, 24 in. Octagon Steel Barrel, Weight 5½ Lbs $16 00

Magazine holds 15, .22 Short Cartridges Only.

REMINGTON, TARGET.

Take Down, Hammerless.

Solid Breech, Side Ejector, Straight Grip, Walnut Stock, Steel Rifle Butt Plate.

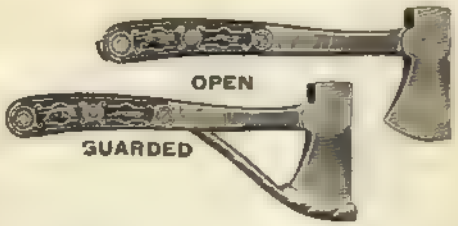
Each

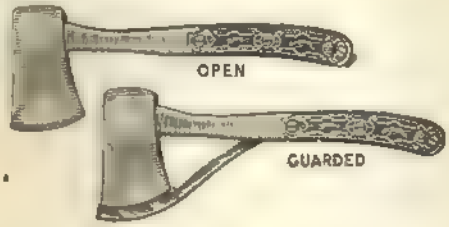
No. 3 .22 Caliber Short, Long and Long Rifle Rim Fire Cartridges, 24 in. Octagon Steel Barrel, Weight 5½ Lbs . . . . .

Magazine holds 15, .22 Short; 12, .22 Long or 11, .22 Long Rifle Cartridges.

Hunting Axes.

MARBLE'S SAFETY.





Per Dozen

No. 1—Tool Steel Blade, 10 in. Nickel Plated Metal Handle, Engraved Hard Rubber Side Plates, Nickel Plated Guard, Weight 16 Oz $30 00

No. 3—Tool Steel Blade, 12 in. Nickel Plated Metal Handle, Engraved Hard Rubber Side Plates, Nickel Plated Guard, Weight 27 Oz..... 36.00

Per Dozen

No. 2—Tool Steel Blade, 11 in. Nickel Plated Metal Handle, Engraved Hard Rubber Side Plates, Axe Shaped Head, Nickel Plated Guard, Weight 20 Oz..... $30.00

Per Dozen

No. 2½—Tool Steel Blade, 11 in. Nickel Plated Metal Handle, Engraved Hard Rubber Side Plates, Nickel Plated Guard, **with Folding Nail Claw,** Weight 20 Oz..... $33.00

Nos. 4 and 5, Open.

Nos. 4 and 5, Guarded.

No. 6, Guarded.

Per Dozen

No. 4—Tool Steel Blade, 12 in. Hickory Handle, Nickel Plated Guard, Weight 24 Oz $21.00

No. 5—Tool Steel Blade, 11 in. Hickory Handle, Nickel Plated Guard, Weight 16 Oz..... 18.00

Per Dozen

No. 6—Welded Steel Bit, 12 in. Hickory Handle, Nickel Plated Guard, Weight 20 Oz..... $18.00

Marble's Hunting Axes are made from finest Tool Steel, sharpened to a fine cutting edge and protected by a patented metal guard, which folds back into a groove in the under side of the handle when the Axe is in use At other times it fits close over the edge of blade, protecting it and user from injury The metal guard is lined with lead so that the cutting edge of Axe cannot be dulled

Axe Sheaths.

MARBLE'S.

For Marble's Hunting Axes.

Per Dozen

No. 19—Full Sheath, Black or Orange Leather, with Button Clasp $12 00

No. 20—Half Sheath, Black or Orange Leather with Button Clasp 9.00

State Number of Axe for which Sheath is wanted.

The full length Sheaths are made open at the Bottom so that the Axe can be pushed up by the end of the Handle

Hunting Knives.

MARBLE'S SAFETY.

No. 85—Safety Knife, Open.

No. 85—Safety Knife, Closed.

Per Dozen

No. 83—Folding, 4¼ in. Blade, Engraved Hard Rubber Side Plates, Weight 4 Oz., with Sheath.....$36.00
No. 85—Folding, 5 in Blade, Heavy Hollow Ground Engraved Hard Rubber Side Plates, Weight 6 Oz., with Sheath 48 00

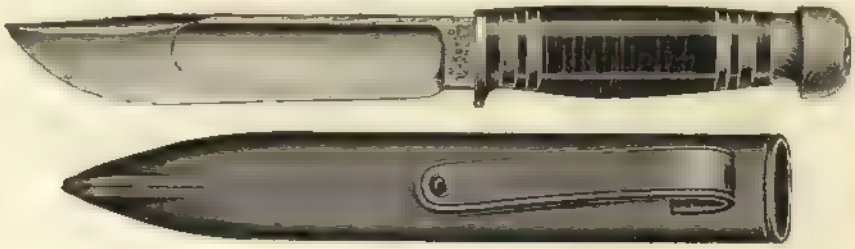
These Folding Knives are intended either to be carried in the Pocket or at the Belt.

MARBLE'S CANOE.

Per Dozen

No. 51—4½ in. Razor Steel Blade, Full Hollow Ground 3¾ in Laminated Leather Handle Buckhorn Butt, Weight with Sheath 5 Oz.....$27.00

MARBLE'S IDEAL.



Per Dozen

No. 40 5 in Razor Steel Blade, Hollow Ground, Laminated Leather Handle, Lignumvitae Butt, with Finely Finished Leather Sheath.....$27.00
No. 41—6 in. Razor Steel Blade, Hollow Ground, Laminated Leather Handle, Lignumvitae Butt, with Finely Finished Leather Sheath..... 30 00

Safety Carvers.

MARBLE'S.

Open

Folded

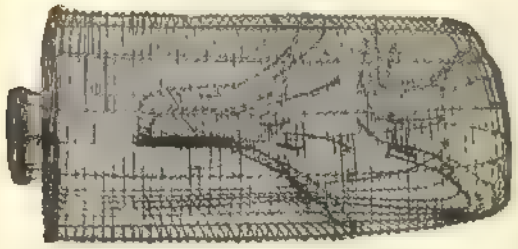
Per Dozen

No. 76—Folding 8 in Razor Steel Blade, German Silver U Shaped Handle Sections, Heavily Reinforced at End Where Blade Bears on Them, Weight 4 Oz.....$15.00

The Knife may be quickly and easily closed by pressing back the clasp, grasping the sides of the blade with one hand and with the other pulling the outer handle down and back; then the blade is folded and the clasp pushed over it.

Rat Traps.

GENUINE MARTY.

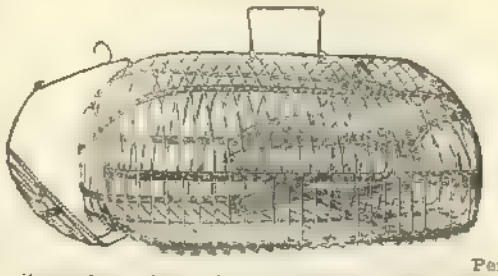


Per Dozen

No. 3½—**Genuine Marty,** 16 in. Long, 9½ in Wide, 8 in. High, Coppered Iron Wire $11.50

One-half Dozen in a Crate.

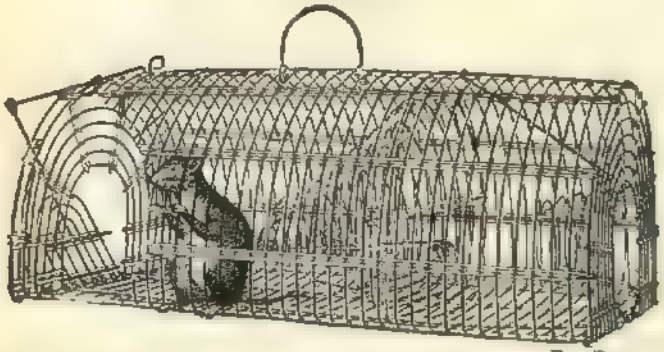
SURPRISE.



Per Dozen

No. 3—**Surprise,** 15 in. Long, 8½ in. Wide, 6½ in. High, Coppered Iron Wire, Coppered Flat Steel Ribs.....$6.00

HOLDFAST.

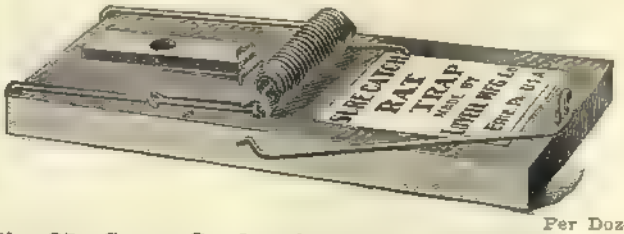


Per Dozen

No. 4—**Holdfast,** 19 in. Long, 10½ in. Wide, 8 in High, Coppered Steel Wire, Coppered Sheet Steel Ribs.....$8.50

One-half Dozen in a Crate.

SURE CATCH.



Per Dozen

No. 25—**Sure Catch,** Coppered Steel Wire Spring, 3½x7 in Wood Base $1.20

One Dozen in a Box

Mole Traps.

STAR.

Per Dozen

No. 10—**Star,** Tinned Steel Wire Spring Wood Frame $2.00

One Dozen in a Crate.

LITTLE GIANT.

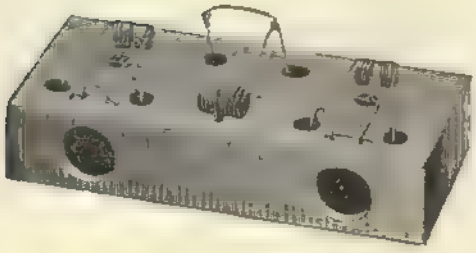
Per Dozen

No. 10—**Little Giant,** 24 in Long, Tinned Steel Frame, Steel Wire Spring.....$11.00

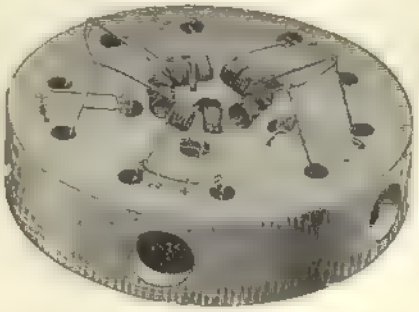
One-half Dozen in a Crate.

Mouse Traps.

WOOD CHOKER.



2 and 3 Hole



No. 20—Stained Wood, Wire Springs.

Number of Holes.	1	2	3	4	5	6
Per Dozen	$0 20	40	60	80	1 00	1.20

One Dozen in a Bundle

TIN CHOKER.

Per Dozen

No. 35—Tin Choker, 5 Hole, Stamped Tin, Wire Springs $1.20

One Dozen in a Bundle

SURE CATCH.

Per Dozen

No. 15—Sure Catch, Steel Wire Spring, 2x4 in Wood Base $0.30

One Dozen in a Box

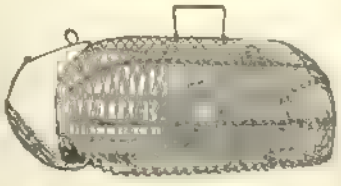
MASCOTTE.

Per Dozen

No. 40—Mascotte, 5¼x4 in., Stained Red Wood Box, Tin Bottom, Lacquered Metal Front, Self-Setting $1.70

In Bulk.

FRENCH PATTERN.



Per Dozen

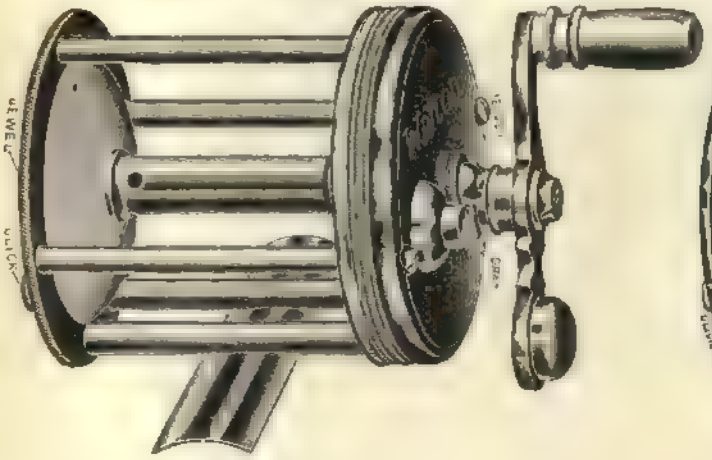
No. 5—French Pattern, Coppered Wire, 7½ in Long, 4 in. Wide, 4 in. High $4.50

One Dozen in a Package.

Fishing Reels.

QUADRUPLE MULTIPLYING.

"WALTON" TOURNAMENT CASTING.

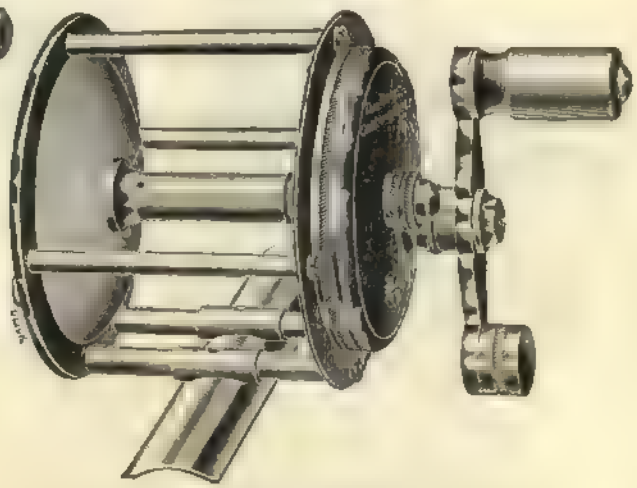


No 605J

Finest Quality, Nickel Plated, Satin Finish, Steel Pivots, Axle, Ratchet and Spring, Plain Bearings, Metal Caps, 1⅞ in. Long Spool, Fancy White Celluloid Balance Handle, Adjustable Click and Drag.

	Plain Caps	Jeweled Caps
Nos.	505	605J
Capacity, Yards	80	80
Diam. of Disk, Inches	2	2
Each	$4.00	5.00

ROYAL CASTING.

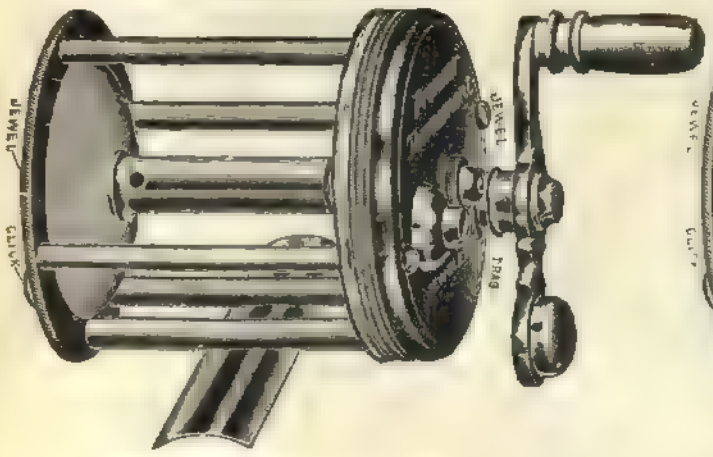


Extra Fine Quality.

Fine Nickel Plated, Steel Axle, Pivots and Pinion, Steel Spring, 1⅝ in. Long Spool, Fancy White Celluloid Balance Handle, Combined Adjustable Click and Drag on Back Plate.

	Plain Caps, Nickel Plated.	Jeweled Caps, Satin Finish
Nos.	616	616J
Capacity, Yards	60	60
Diam. of Disk, Inches	2 7/8	2 3/8
Each	$3.50	5 00

PREMIER CASTING.

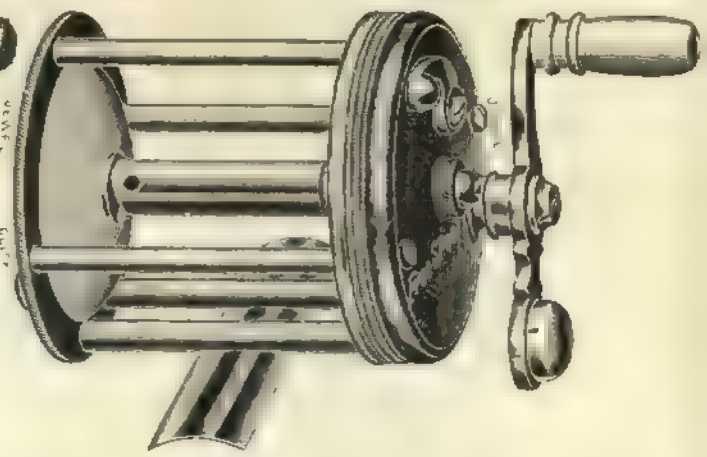


Extra Fine Quality, Jeweled Caps.

Finely Nickel Plated, Steel Pivots and Pinion, Steel Ratchet and Spring, 1⅞ in. Long Spool, Fancy White Celluloid Balance Handle, Metal Pinion Cover, Front Sliding Drag, Back Sliding Click.

No.	518J
Capacity, Yards	80
Diameter of Disk, Inches	2
Each	$5.00

CLUB FREE SPOOL CASTING.



Fine Quality, Nickel Plated, Satin Finish, Steel Axle, Steel Pivots and Pinion, Jeweled Bearings, 1⅞ in. Long Spool, Fancy White Celluloid Balance Handle, Adjustable Click. The Spool can be Made Free Running by Moving Lever **Down**; to Wind up Line, Move Lever **Up**.

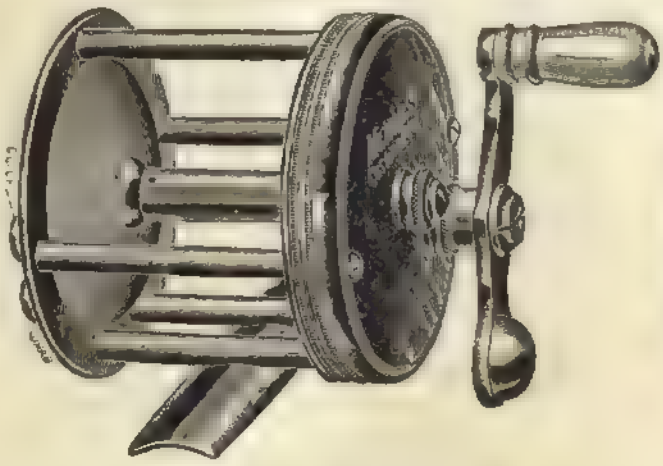
No.	15J
Capacity, Yards	80
Diameter of Disk, Inches	2
Each	$7.00

One in a Box.

Fishing Reels.

QUADRUPLE MULTIPLYING.

MATCHLESS.

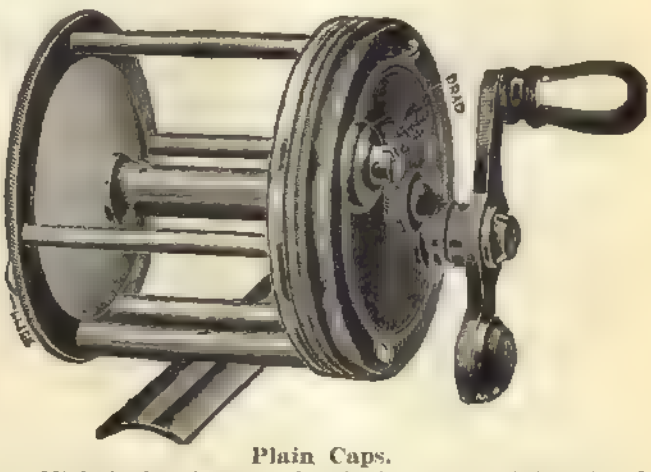


Plain Caps.

Nickel Plated Brass, Screwed, Balance Handle, Steel Pivots and Pinion, Inserted Hard Metal Bushing, 1⅝ in. Long Spool, Steel Adjustable Click and Drag.

Nos.	84	86	88
Capacity, Yards	40	60	80
Diam. of Disk, Inches	2	2¼	2½
Per Dozen	$33.50	36.50	39.00

EXPERT.

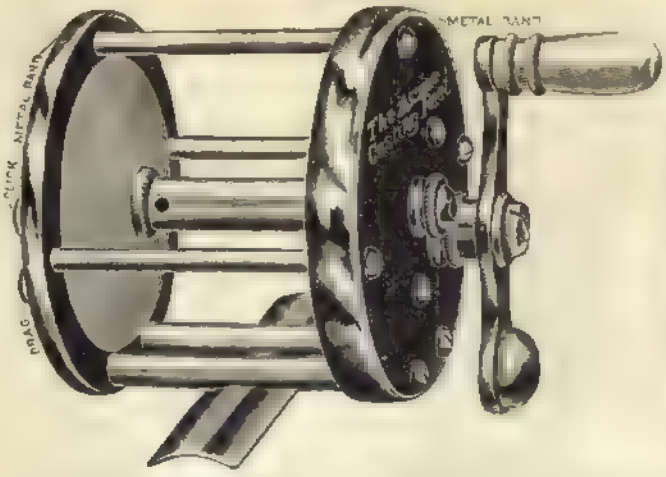


Plain Caps.

Nickel Plated Brass, Steel Pivots and Pinion, Steel Ratchet and Spring, 1⅝ in. Long Spool, Fancy White Celluloid Balance Handle, Adjustable Back Sliding Click, Front Sliding Drag.

Nos.	1752	1753	1754
Capacity, Yards	60	80	100
Diam. of Disk, Inches	2	2¼	2⅜
Per Dozen	$40.00	42.00	45.00

ACME.



Nickel Plated Brass and Rubber Plate, Metal Safety Bands on Edges, Steel Axle Pivots and Pinion, Metal Bridge for Cog Post, 1⅝ in. Long Spool, Fancy White Celluloid Balance Handle, Adjustable Click and Drag.

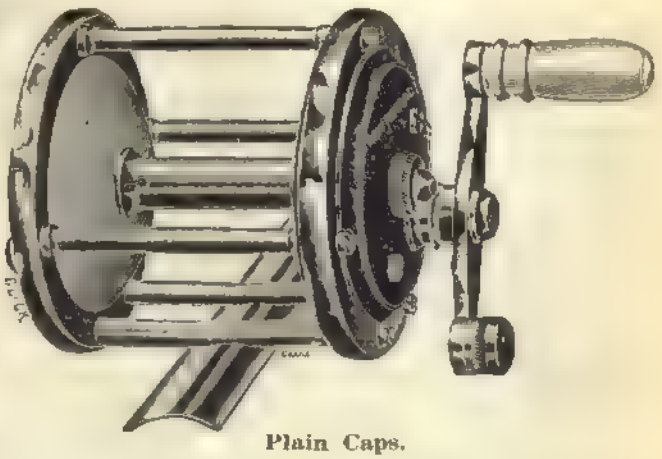
Plain Caps.

No.	408
Capacity, Yards	80
Diameter of Disk, Inches	2¼
Per Dozen	$34.00

Jeweled Caps.

No.	408J
Capacity, Yards	80
Diameter of Disk, Inches	2¼
Per Dozen	$48.00

NEW RECORD.



Plain Caps.

Extra Fine Quality.

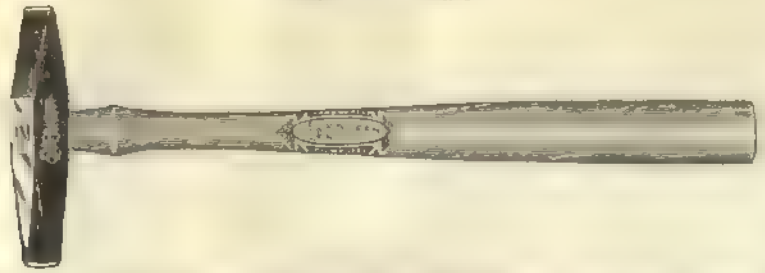
Nickel Plated Brass and Rubber with Metal Bound Edges, Steel Axle, Pivots and Pinion, Metal Bridge for Steel Cog Post, Steel Ratchet, Steel Spring, 1⅝ in. Long Spool, Fancy White Celluloid Balance Handle, Adjustable Click and Drag.

No.	428
Capacity, Yards	80
Diameter of Disk, Inches	2⅛
Per Dozen	$60.00

One-twelfth Dozen in a Box.

Riveting Hammers.

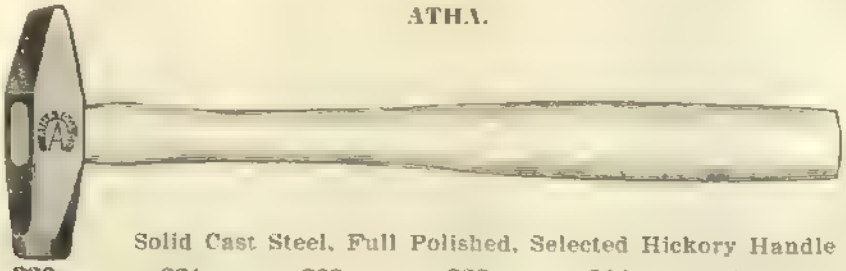
EVERKEEN



Solid Cast Steel, Black Finish, Polished Face and Pein, Selected Hickory Handle.

Nos.	E0	E1	E2	E3	E4	E5	E6	E7
Weight Each	4 oz.	7 oz.	9 oz.	12 oz.	15 oz.	1 lb. 2 oz.	1 lb. 6 oz.	1 lb. 10 oz.
Per Dozen	$6.00	6.25	6.50	6.75	7.00	7.50	8.00	8.50

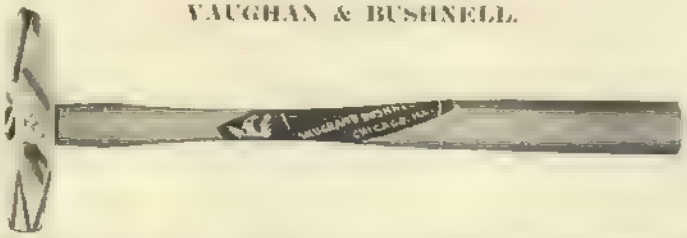
ATHA.



Solid Cast Steel, Full Polished, Selected Hickory Handle

Nos.	230	231	232	233	234	235	236	237
Weight Each	4 oz.	7 oz.	9 oz.	12 oz.	15 oz.	1 lb. 2 oz.	1 lb. 6 oz.	1 lb. 10 oz.
Per Dozen	$5.50	5.75	6.00	6.25	6.50	7.00	7.50	8.00

VAUGHAN & BUSHNELL.



Drop Forged Crucible Cast Steel, Polished and Temper Blued, Selected Hickory Handle

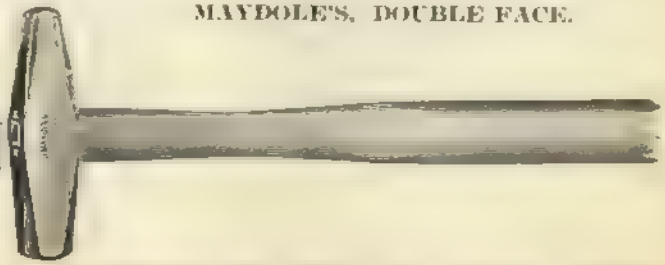
Nos.	0	1	2	3	4	5	6	7
Weight Each	4 oz.	7 oz.	9 oz.	12 oz.	15 oz.	1 lb. 2 oz.	1 lb. 6 oz.	1 lb. 10 oz
Per Dozen	$5.50	5.75	6.00	6.25	6.50	7.00	7.50	8.00

MAYDOLE'S.

Solid Crucible Cast Steel, Full Polished, Selected Hickory Handle.

Nos.	40	41	42	43	44
Weight Each	1 lb 8 oz.	1 lb 2 oz	13 oz.	7 oz	4 oz
Per Dozen	$8.50	7.25	6.00	5.25	5.00

MAYDOLE'S, DOUBLE FACE.



Solid Crucible Cast Steel, Full Polished, Selected Hickory Handle.

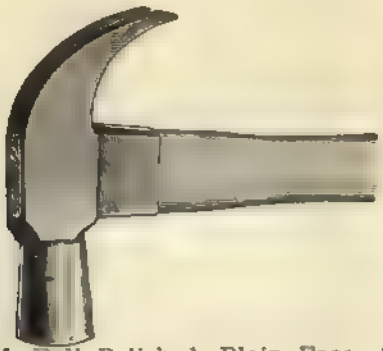
Nos.	240	241	242	243	244
Weight Each	1 lb. 10 oz.	1 lb 3 oz	12 oz	8 oz	5 oz
Per Dozen	$11.00	9.25	7.75	6.75	5.25

One-half Dozen in a Box

Weights Each Do Not Include Handles.

Nail Hammers.

STANDARD.



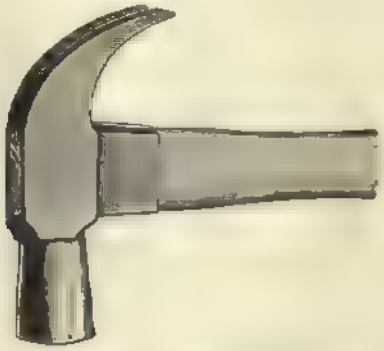
Solid Steel, Full Polished, Plain Face, Adze Eye, Hickory Handle.

Nos.	1	1½	2	3
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per Dozen	$7.00	6.50	6.00	5.50

Solid Steel, Polished, Bell Face, Adze Eye, Hickory Handle.

Nos.	11	11½	12	13
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per Dozen	$7.00	6.50	6.00	5.50

BANNER.



Solid Steel Fire Blue Finish, Plain Face, Adze Eye Hickory Handle.

No. 50 Size 1 Weight Each 1 Lb Per Dozen $7 00

Solid Steel, Fire Blue Finish, Bell Face, Adze Eye, Hickory Handle

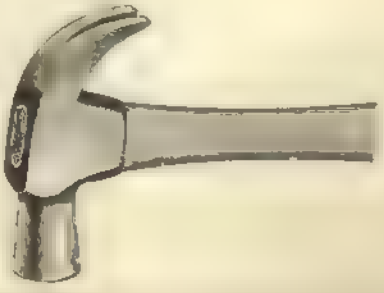
No. 55 Size 1 Weight Each 1 Lb Per Dozen $7 00

BADGER STATE.

Cast Steel, Polished Bell Face, Adze Eye, Hickory Handle.

No. 7—Size 1½, Weight Each 1 Lb . . . Per Dozen $4 00

CAST IRON.



Cast Iron, Extra Finish, Plain Face, Adze Eye, Hickory Handle.

No. 20 Size 1½, Weight Each 1 Lb. . . . Per Dozen $2 25

Cast Iron, Nickel Plated, Plain Face, Adze Eye, Ebonized Handle.

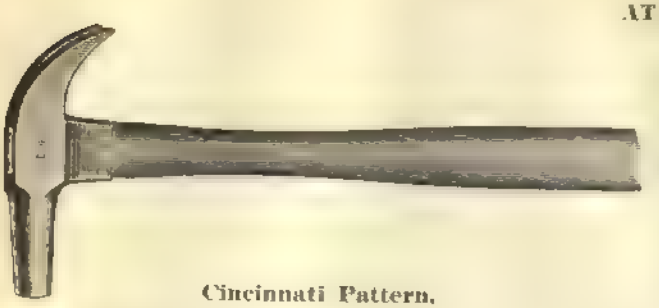
No. 30—Size 1½, Weight Each 1 Lb. . . . . Per Dozen $3.00

One-half Dozen in a Box.

Weights Each Do Not Include Handles.

Farriers' Hammers.

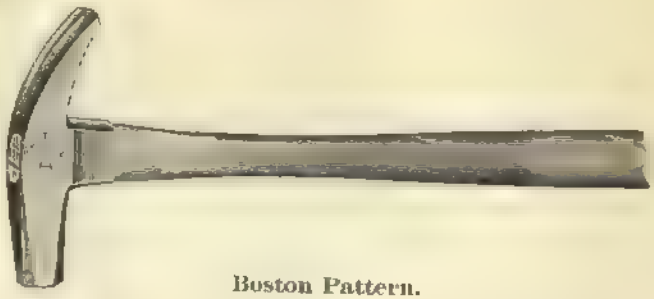
ATHA.



Cincinnati Pattern.

Solid Cast Steel, Round Poll, Polished, Adze Eye, Hickory Handle.

	Per Dozen
No. 210—Weight Each 10 Oz	$7.75

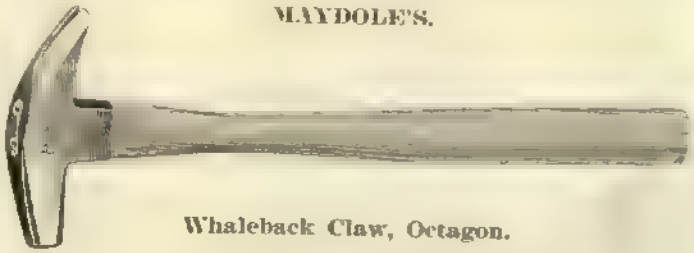


Boston Pattern.

Solid Cast Steel, Octagon Poll, Polished, Adze Eye, Hickory Handle.

	Per Dozen
No. 220—Weight Each 12 Oz	$9 00

MAYDOLE'S.



Whaleback Claw, Octagon.

Solid Crucible Cast Steel, Octagon Poll, Polished, Adze Eye, Hickory Handle.

	Per Dozen
No. 652—Weight Each 10 Oz	$8.50
No. 653—Weight Each 8 Oz	8 00

MAYDOLE'S.

Boston Pattern.

Solid Crucible Cast Steel, Octagon Poll Polished Adze Eye, Hickory Handle.

	Per Dozen
No. 152—Weight Each 10 Oz	$8 00
No. 153—Weight Each 8 Oz	7 50

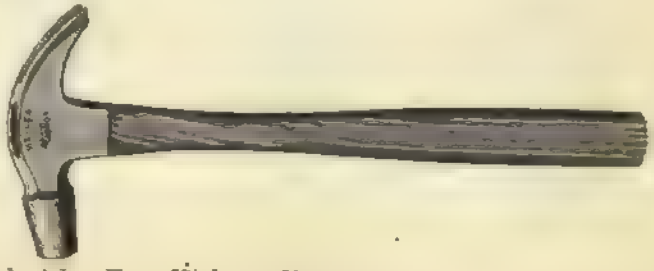
One-half Dozen in a Box.
Weights Each Do Not Include Handles.

Round Pattern.

Solid Crucible Cast Steel, Round Poll Polished, Adze Eye, Hickory Handle

	Per Dozen
No. 252—Weight Each 10 Oz	$7.50
No. 253—Weight Each 8 Oz.	7.00

HELLER'S.



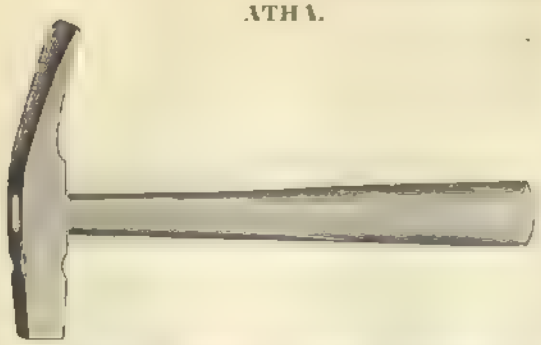
Solid Crucible Cast Steel, Polished, Adze Eye, Hickory Handle.

	Per Dozen		Per Dozen
No. 1—Wt Each 11 to 20 Oz., with Handle	$12 00	**No. 2**—Wt Each 16 to 20 Oz., with Handle	$15 00

One-half Dozen in a Box

Bricklayers' Hammers.

ATHA.

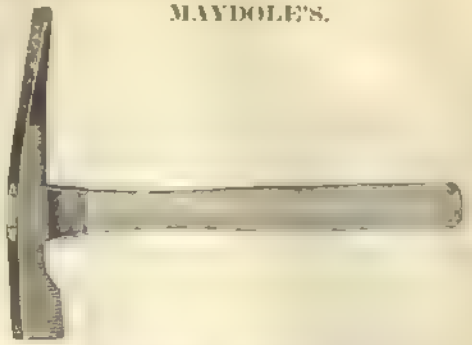


Solid Cast Steel, Polished, Selected Hickory Handle

Nos.	441	442	443
Weight Each	1 lb 2 oz.	1 lb. 8 oz.	2 lbs.
Per Dozen	$11.00	12 00	13.00

One-half Dozen in a Box.

MAYDOLE'S.

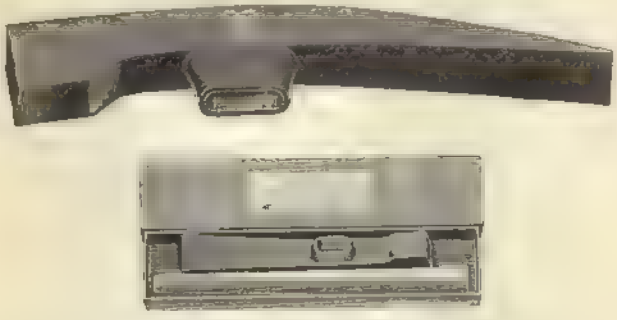


Solid Crucible Cast Steel, Oil Finish, Selected Hickory Handle.

Nos.	561	562	563	564
Wt. Each	2 lbs. 4 oz.	1 lb. 14 oz.	1 lb. 6 oz.	1 lb.
Per Dozen	$13.00	12.00	11 00	10.00

One-third Dozen in a Box.

VLCHEK.



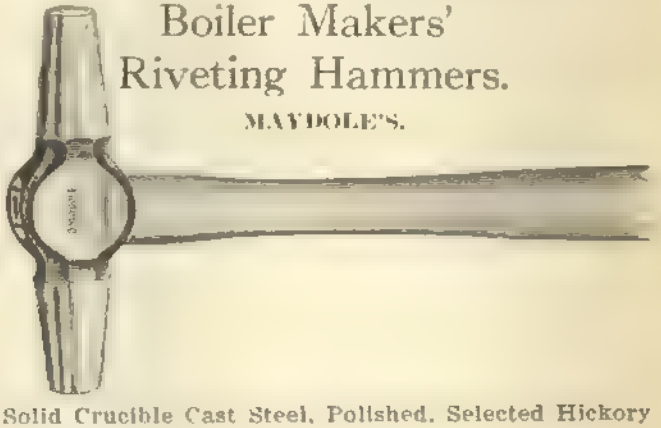
High Grade Crucible Tool Steel, Drop Forged, Natural Finish, Adze Eye, Handle Will Hold without Wedges.

Nos.	1	2	3
Weight Each	1	2	2
Per Dozen	$14.00	14.40	14.80

One-twelfth Dozen in a Box

Boiler Makers' Riveting Hammers.

MAYDOLE'S.



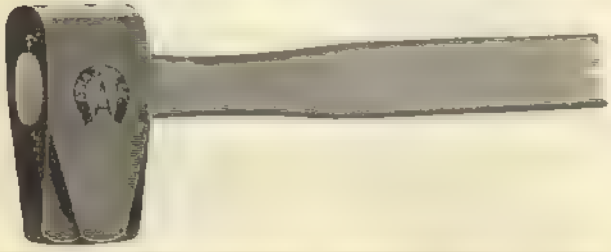
Solid Crucible Cast Steel, Polished, Selected Hickory Handle.

Nos.	0441	0442	0443	0444
Wt. Each	3 lbs.	2 lbs. 10 oz.	2 lbs. 6 oz.	2 lbs.
Per Dozen	$24 50	23 00	21.50	20.00

One-quarter Dozen in a Box.

Prospecting Hammers.

ATHA.

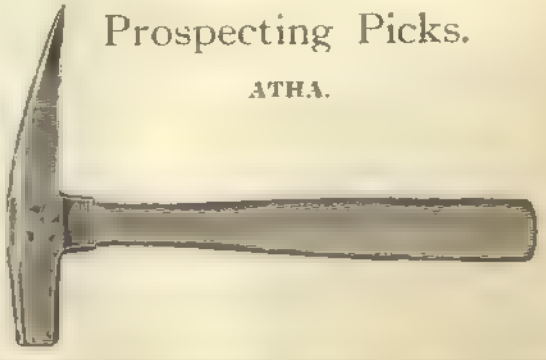


Solid Cast Steel, Polished, Selected Hickory Handle

Nos.	262	263
Weight Each	1 lb. 12 oz.	2 lbs.
Per Dozen	$15.00	16.00

Prospecting Picks.

ATHA.



Solid Cast Steel, Polished, Selected Hickory Handle

Nos.	252	253
Weight Each	1 lb. 8 oz.	2 lbs.
Per Dozen	$16.00	17.00

One-half Dozen in a Box.

Weights Each Do Not Include Handles.

Machinists' Hammers.

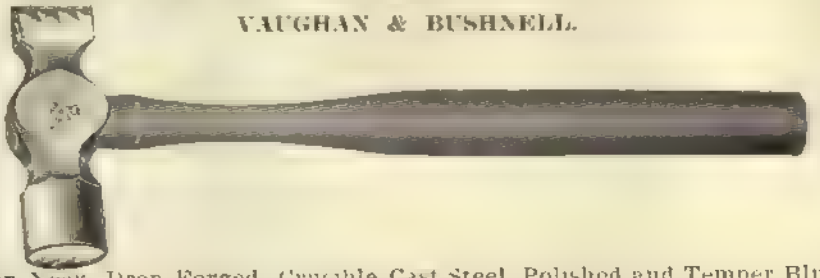
VAUGHAN & BUSHNELL.

Ball Pein, Octagon Neck, Drop Forged, Crucible Cast Steel, Polished and Temper Blued, Selected Hickory Handle.

Nos.	5–0B	4–0B	3–0B	2–0B	0B	1B	2B	3B	4B	5B	6B	7B	8B
Wt. Each	4 oz.	6 oz	8 oz	12 oz.	1 lb	1 lb 4 oz	1 lb 8 oz	1 lb 12 oz	2 lb	2 lb. 4 oz	2 lb. 8 oz.	2 lb 12 oz	3 lb
Per Dozen	$12 00	12 00	12 00	12 00	12 50	13 50	14 50	15 50	16 50	17 50	19 00	20 50	22 00

Nos. 5–0B to 3B, One-half Dozen. Nos. 2B to 8B, One-third Dozen in a Box

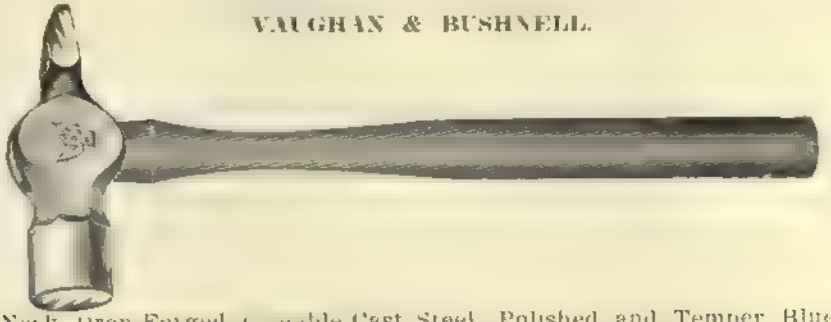
VAUGHAN & BUSHNELL.



Straight Pein, Octagon Neck, Drop Forged, Crucible Cast Steel Polished and Temper Blued, Selected Hickory Handle.

Nos.	0S	1S	2S	3S	4S
Weight Each	1 lb.	1 lb. 4 oz.	1 lb. 8 oz.	1 lb. 12 oz.	2 lbs.
Per Dozen	$12.50	13.50	14.50	15.50	16.50

VAUGHAN & BUSHNELL.



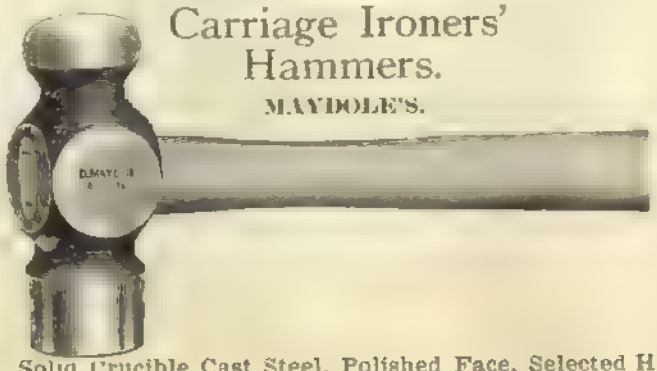
Cross Pein, Octagon Neck, Drop Forged, Crucible Cast Steel, Polished and Temper Blued, Selected Hickory Handle.

Nos.	0C	1C	2C	3C	4C
Weight Each	1 lb.	1 lb. 4 oz.	1 lb. 8 oz.	1 lb. 12 oz.	2 lbs.
Per Dozen	$12.50	13.50	14.50	15.50	16.50

One-half Dozen in a Box

Carriage Ironers' Hammers.

MAYDOLE'S.



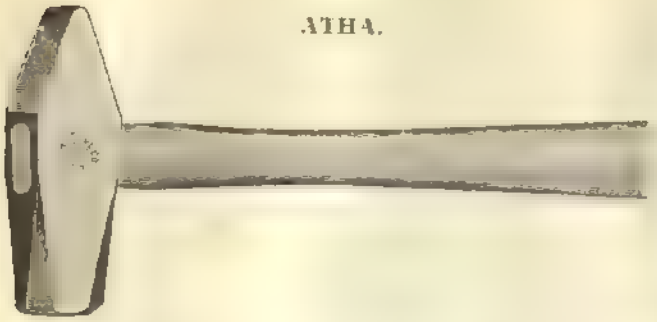
Round Neck, Solid Crucible Cast Steel, Polished Face, Selected Hickory Handle.

Nos.	111	112	113
Weight Each	2 lbs. 12 oz.	2 lbs. 6 oz.	2 lbs.
Per Dozen	$16.00	15.00	14.00

One-third Dozen in a Box
Weights Each Do Not Include Handles

Blacksmiths' Hand Hammers.

ATHA.

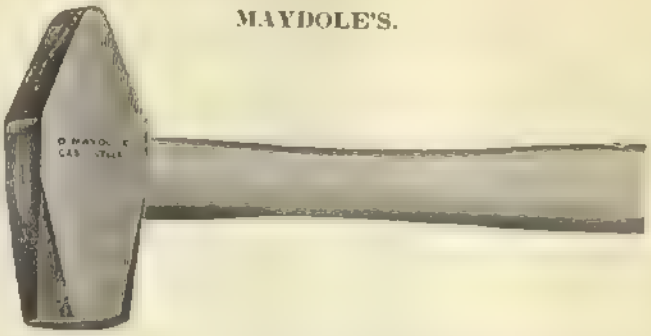


Solid Cast Steel, Polished, Selected Hickory Handle

Nos.	400	401	402	403	404
Wt. Each	1 lb. 10 oz.	2 lbs.	2 lbs. 10 oz.	3 lbs.	3 lbs. 8 oz
Per Dozen	$13.00	14.00	15.00	16 00	17.00

One-half Dozen in a Box

MAYDOLE'S.



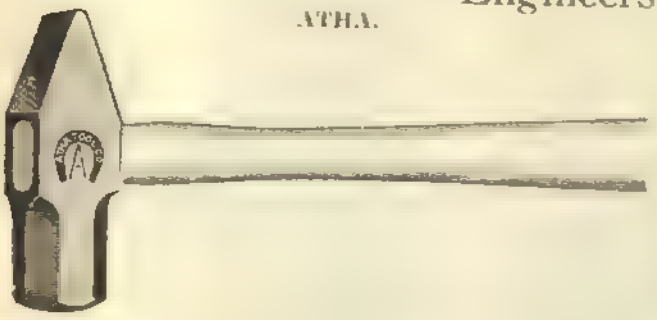
Solid Crucible Cast Steel, Polished, Selected Hickory Handle.

Nos.	60	60½	61	62
Weight Each	4 lbs.	3 lbs. 8 oz.	3 lbs.	2 lbs. 10 oz.
Per Dozen	$18.00	16.50	15.00	14.00

One-third Dozen in a Box.

Engineers' Hammers.

ATHA.

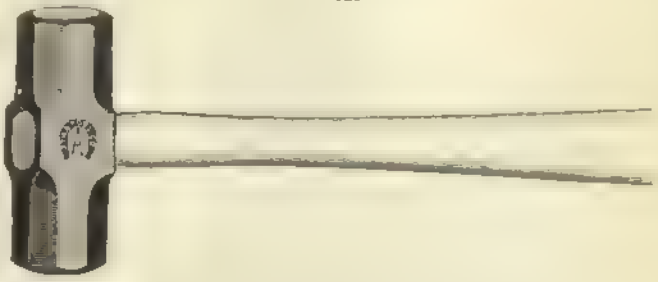


Single Face, Solid Cast Steel, Polished, Selected Hickory Handle.

Nos.	380	381	382	383
Wt. Each	1 lb. 2 oz.	1 lb. 10 oz.	2 lbs.	2 lbs. 8 oz.
Per Dozen	$12.00	13.00	14.00	15.00
Nos.		384	385	386
Wt. Each		3 lbs.	3 lbs. 8 oz	4 lbs. 8 oz
Per Dozen		$16.00	17.00	19.00

One-half Dozen in a Box

ATHA.



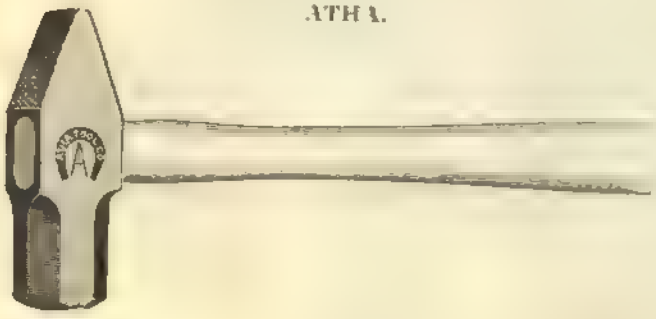
Double Face, Solid Cast Steel, Polished, Selected Hickory Handle.

Nos.	391	392	393	394
Wt. Each	1 lb. 8 oz.	2 lbs. 6 oz.	3 lbs.	3 lbs. 10 oz.
Per Dozen	$14.50	16.50	18.00	19.50

One-half Dozen in a Box.

Plow Hammers.

ATHA.



Solid Cast Steel, Oil Finish, Selected Hickory Handle.

Nos.	410	411	412
Weight Each	1 lb. 2 oz.	1 lb. 10 oz.	2 lbs.
Per Dozen	$12.00	13.00	14.00

One-half Dozen in a Box.

Coopers' Hammers.

ATHA.

Solid Cast Steel, Polished, Selected Hickory Handle.

Nos.	422½	423	424	424½	425
Wt. Each	2 lbs. 8 oz.	3 lbs.	4 lbs.	4 lbs. 8 oz.	5 lbs.
Per Dozen	$17.00	18.00	20.00	21.00	22.00

One-half Dozen in a Box.

Weights Each Do Not Include Handles.

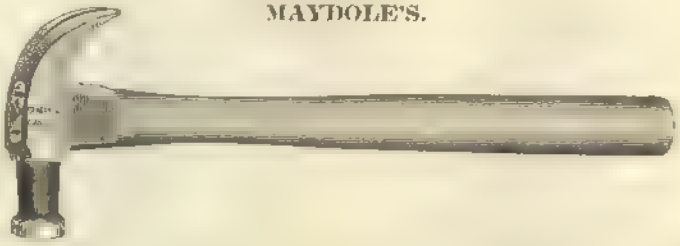
Nail Hammers.

MAYDOLE'S.

Solid Crucible Cast Steel, Full Polished, Plain Face, Adze Eye, Selected Hickory Handle.

Nos.	M1	M1½	M2	M3
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb.	13 oz.	7½ oz
Per Dozen	$8.75	8.00	7.50	6 75

MAYDOLE'S.



Solid Crucible Cast Steel, Polished, Bell Face, Adze Eye, Selected Hickory Handle.

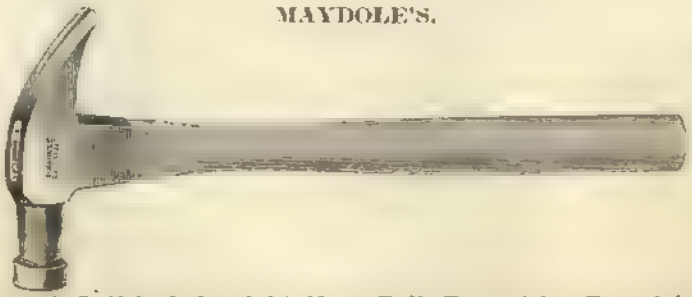
Nos.	M11	M11½	M12	M12½	M13
Size	1	1½	2	2½	3
Weight Each	1 lb. 3 oz.	1 lb..	12 oz.	10 oz.	7 oz
Per Dozen	$8.75	8.00	7.50	7.20	6 75

MAYDOLE'S.

Solid Crucible Cast Steel, Full Polished, Straight Claw, Plain Face, Adze Eye, Selected Hickory Handle.

Nos.	701	701½
Size	1	1½
Weight Each	1 lb. 4 oz.	1 lb.
Per Dozen	$8.75	8 00

MAYDOLE'S.



Solid Crucible Cast Steel, Polished, Straight Claw, Bell Face, Adze Eye Selected Hickory Handle.

Nos.	711	711½
Size	1	1½
Weight Each	1 lb. 3 oz.	1 lb
Per Dozen	$8.75	8 00

One-half Dozen in a Box.

Weights Each Do Not Include Handles.

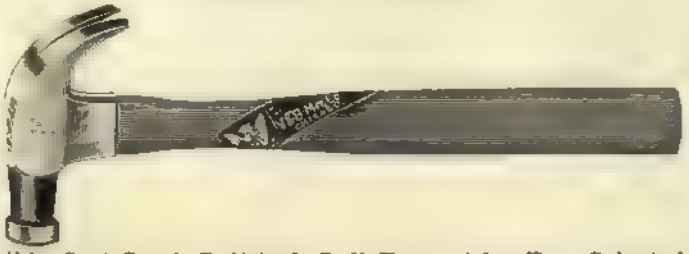
Nail Hammers.

VAUGHAN & BUSHNELL.

Drop Forged, Crucible Cast Steel, Full Polished, Plain Face, Adze Eye, Selected Hickory Handle.

Nos.	V1	V1½	V2	V3
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per Dozen	$9.00	8.50	8.00	7 50

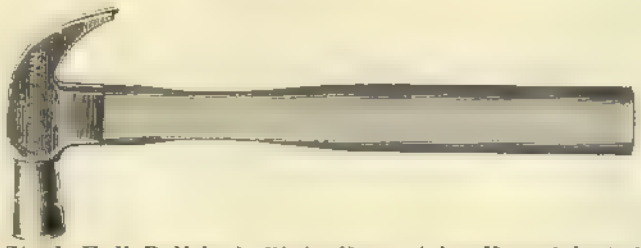
VAUGHAN & BUSHNELL.



Drop Forged, Crucible Cast Steel, Polished, Bell Face, Adze Eye, Selected Hickory Handle.

Nos.	V11	V11½	V12	V13
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per Dozen	$9.00	8.50	8.00	7.50

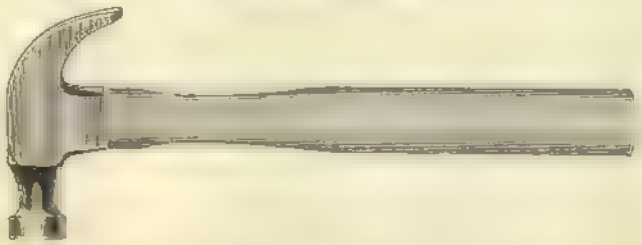
GERMANTOWN.



Forged, Solid Cast Steel, Full Polished, Plain Face, Adze Eye, Selected Hickory Handle.

Nos.	G23	G22	G21	G20
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb. 2 oz.	15 oz.	9 oz.
Per Dozen	$9.00	8.50	8.00	7 50

GERMANTOWN.



Forged, Solid Cast Steel, Full Polished, Bell Face, Adze Eye, Selected Hickory Handle.

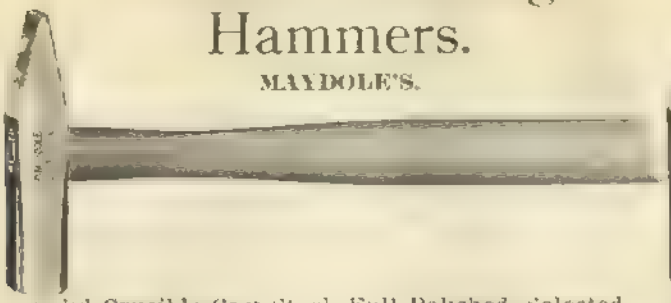
Nos.	G33	G32	G31	G30
Size	1	1½	2	3
Weight Each	1 lb. 4 oz.	1 lb. 1 oz.	14 oz.	8 oz.
Per Dozen	$9.00	8.50	8.00	7 50

One-half Dozen in a Box

Weights Each Do Not Include Handles.

Tinners' Riveting Hammers.

MAYDOLE'S.

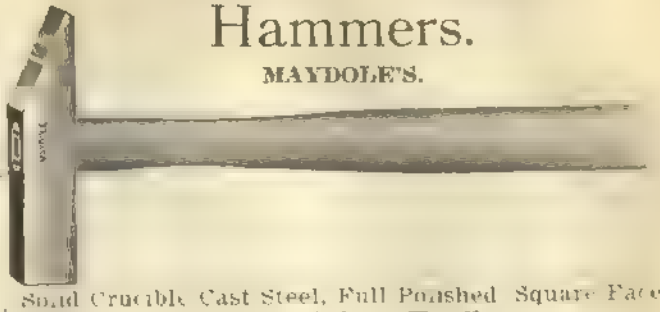


Solid Crucible Cast Steel Full Polished, Selected Hickory Handle.

Nos.	201	202	203	204	205
Weight Each..	1 lb. 8 oz.	1 lb. 4 oz.	1 lb	12 oz.	8 oz.
Per Dozen....	$8.50	7.75	7.00	6.50	6.00

Tinners' Setting Hammers.

MAYDOLE'S.



Solid Crucible Cast Steel, Full Polished Square Face, Selected Hickory Handle.

Nos.	301	302	303	304	305
Weight Each..	1 lb. 8 oz.	1 lb. 4 oz.	1 lb.	12 oz.	8 oz.
Face, Inches..	1⅛	1	⅞	⅞	¾
Per Dozen....	$8.50	7.75	7.00	6.50	6.00

Machinists' Hammers.

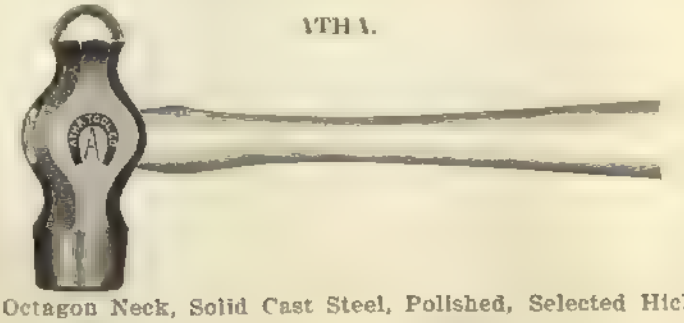
EVERDUR

Ball Pein, Octagon Neck, Drop Forged, Crucible Cast Steel Black Finish, Polished Face Pein and Sides, Selected Hickory Handle.

Nos.	E5–0	E4–0	E3–0	E2–0	E0	E1	E2
Weight Each	4 oz.	6 oz.	8 oz.	12 oz.	1 lb.	1 lb. 4 oz.	1 lb. 8 oz.
Per Dozen	$12.50	12.50	12.50	12.50	13.00	14.00	15.00

Nos.		E3	E4	E5	E6	E7	E8
Weight Each		1 lb. 12 oz.	2 lb.	2 lb. 4 oz.	2 lb. 8 oz.	2 lb. 12 oz.	3 lb.
Per Dozen		$16.00	17.00	18.00	19.50	21.00	22.50

VTH A.



Ball Pein, Octagon Neck, Solid Cast Steel, Polished, Selected Hickory Handle.

Nos.	306	307	308	309	310	311
Weight Each	4 oz.	6 oz.	8 oz.	12 oz.	1 lb.	1 lb. 4 oz.
Per Dozen	$12.00	12.00	12.00	12.00	12.50	13.50.

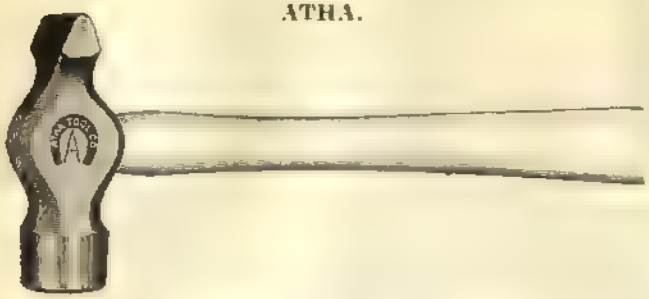
Nos.	312	313	314	315	316	317
Weight Each	1 lb. 8 oz.	1 lb. 12 oz.	2 lbs.	2 lbs. 4 oz.	2 lbs. 8 oz.	2 lbs. 12 oz.
Per Dozen	$14.50	15.50	16.50	17.50	19.00	20.50

One-half Dozen in a Box.

Weights Each Do Not Include Handles.

Machinists' Hammers.

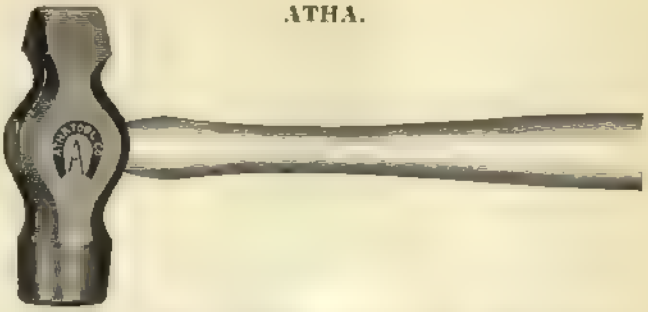
ATHA.



Cross Pein, Octagon Neck Solid Cast Steel, Polished, Selected Hickory Handle.

Nos.	350	351	352	353	354
Wt. Each.	1 lb.	1 lb 4 oz.	1 lb 8 oz	1 lb 12 oz	2 lbs.
Per Dozen.	$12.50	13.50	14.50	15.50	16.50

ATHA.

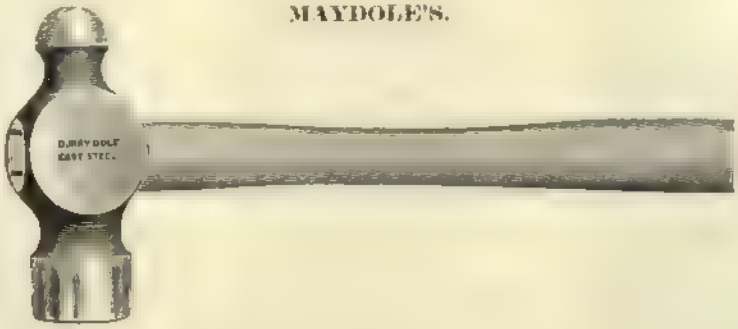


Straight Pein, Octagon Neck, Solid Cast Steel, Polished, Selected Hickory Handle.

Nos.	330	331	332	333	334
Wt. Each	1 lb	1 lb 4 oz	1 lb. 8 oz.	1 lb. 12 oz.	2 lbs.
Per Dozen.	$12.50	13.50	14.50	15.50	16.50

One-half Dozen in a Box.

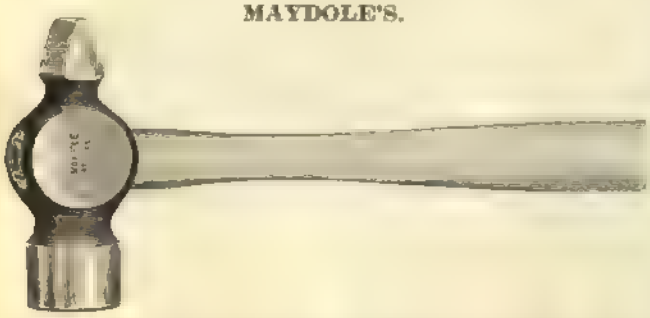
MAYDOLE'S.



Ball Pein, Round Neck, Solid Crucible Cast Steel, Polished, Selected Hickory Handle.

Nos.	70	70½	71	72	73	74	75	76	77	78
Wt. Each..	3 lbs.	2 lb. 4 oz.	1 lb. 14 oz.	1 lb 8 oz.	1 lb. 4 oz.	1 lb.	13 oz.	10 oz.	7 oz.	5 oz.
Per Dozen.	$20.00	17.00	15.00	13.50	12.25	11.25	10.50	10.00	9.50	9.25

MAYDOLE'S.

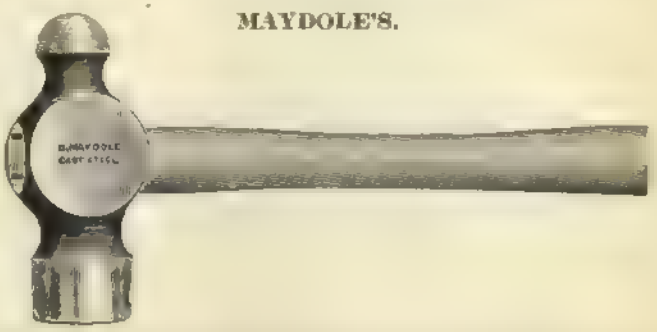


Cross Pein, Round Neck, Solid Crucible Cast Steel, Polished, Selected Hickory Handle.

Nos.	170	170½	171	172	173
Wt. Each	3 lbs	2 lbs 4 oz	1 lb 14 oz	1 lb. 8 oz	1 lb 4 oz
Per Doz..	$20.00	17.00	15.00	13.50	12.25

Nos.	174	175	176	177	178
Wt. Each.	1 lb.	13 oz.	10 oz.	7 oz.	5 oz.
Per Doz..	$11.25	10.50	10.00	9.50	9.25

MAYDOLE'S.



Ball Pein, Round Neck, Solid Crucible Cast Steel, Oil Finished, Selected Hickory Handle.

Nos.	770	770½	771	772	773
Wt. Each	3 lbs	2 lbs 4 oz	1 lb 14 oz	1 lb. 8 oz	1 lb 4 oz.
Per Doz..	$17.50	14.75	13.00	11.50	10.50

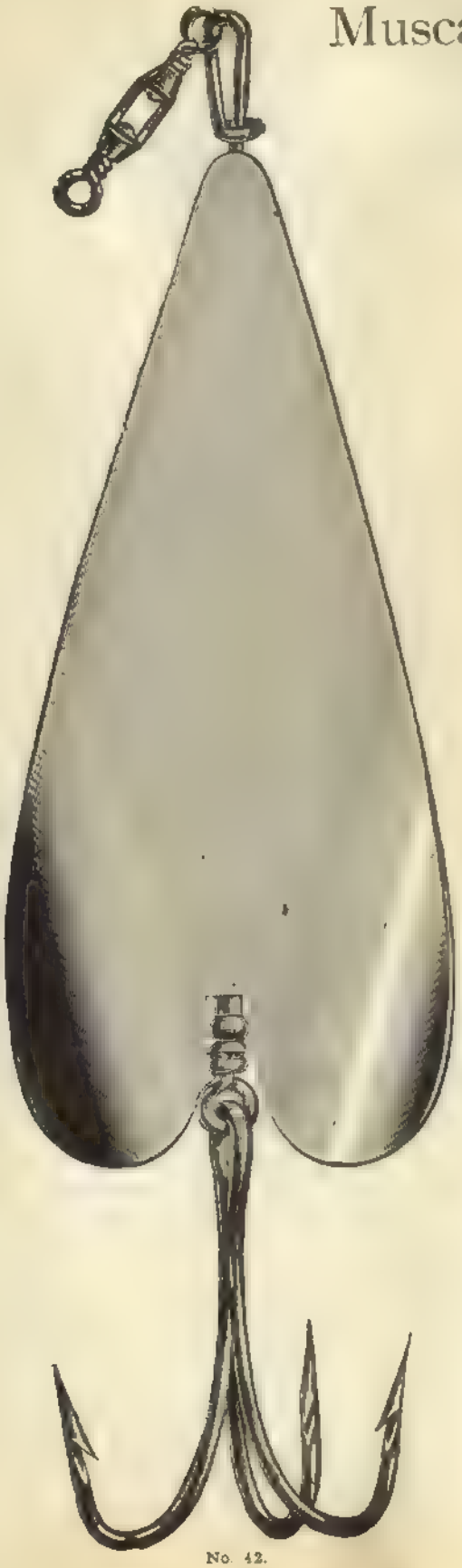
Nos.	774	775	776	777	778
Wt. Each.	1 lb.	13 oz.	10 oz.	7 oz.	5 oz.
Per Doz..	$9.50	9.00	8.50	8.00	7.75

One-third Dozen in a Box.

Weights Each Do Not Include Handles.

Muscallonge Baits.

Cuts Full Size



No. 42.

No. 819

Per Dozen

No. 42—McMurray's Muscallonge Spinners, Extra Strong, Nickel Plated Blade, Hollow Point Treble Hooks.....$12.00

No. 819—Muscallonge or Tarpon Killers, Pure Soft Rubber, Extra Strong, Non-Luminous, Hollow Point Feathered Treble Hooks 16.00

Fish Baits.

BURDETT'S WEEDLESS BAITS.

No. 13.

Nickel Plated Brass Body, Patent Tied Hollow Point, Feathered Treble Weedless Hook, Brass Box Swivel.

Nos.	13	14
Length of Body, Inches	3	4
Per Dozen	$8.00	9 50

A Never Failing Bait for Black Bass and Pickerel. The No. 13 weighs ½ oz. and is just right for Bait Casting

One-twelfth Dozen in a Box

Decoy Minnows.

FOR FISH SPEARING.

The scene represents a Fisherman in his movable "Dark House" in the act of spearing through the ice, using a Decoy Minnow.

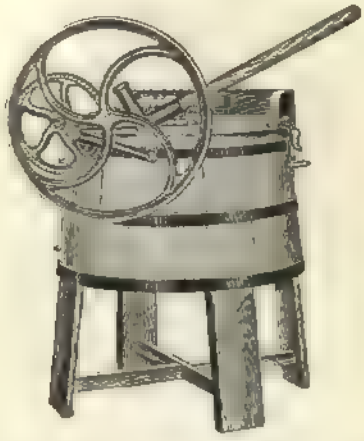
No. 10—Pure Soft Rubber, Green and Silver Finish, 7 in. Long..... Per Dozen $14 00

Weighted and Balanced with a Lead Core, dancing merrily by simply pulling the line.

One-twelfth Dozen in a Box.

Washing Machines.

SWIFT.



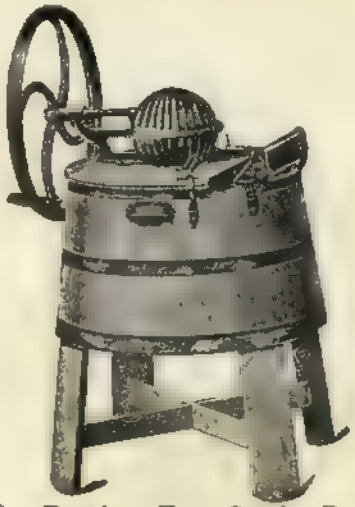
Each

Swift—Round, Family Size, Corrugated Inside, Large Tub, Made of Cypress, Natural Finish and Varnished, Improved Wringer Board, Malleable Iron Castings, Hardened Steel Wearing Parts, Galvanized Iron Inside Parts, Large Balance Wheel $10.00

The motion is transmitted by a long casting, which has half circle cogs at each end underneath. Can be worked either sitting down or standing up. The Handle can be taken out of one and put in the other while the machine is in motion. The Lever is connected by a gearing with a Large Fly Wheel, which attains a high rate of speed when the machine is in motion

Weight Each About 75 Pounds.

GUARANTEE.



Roller Bearing, Four Stroke Rotary.

Each

Guarantee—Round, Family Size, Corrugated Inside, Large Tub, Natural Finish and Varnished, Improved Wringer Board, Galvanized Castings, Covered Gear, Large Balance Wheel..... $9.50

The Guarantee is the only machine on the market that by turning the Balance Wheel in either direction you give four separate and distinct motions on the Pin Wheel, viz. Forward and Back, Up and Down

Weight Each About 75 Pounds.

HORTON'S STAVE LEG ROTARY.

Easy High Speed Gear, Rotary.

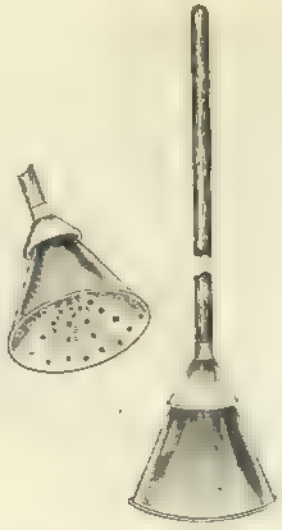
Each

No. 12—Round, Family Size, Large Tub, Best Grade Louisiana Cypress, Natural Wood Finish and Varnished, Heavy Braced Continued Stave Legs, Improved Wringer Board, Gold Bronzed Castings, Galvanized Interior Castings and Bolts, Heavy Balance Wheel....$9.50

Weight Each 75 Pounds.

One in a Crate

NEW ERA POUNDER WASHER.



Per Dozen

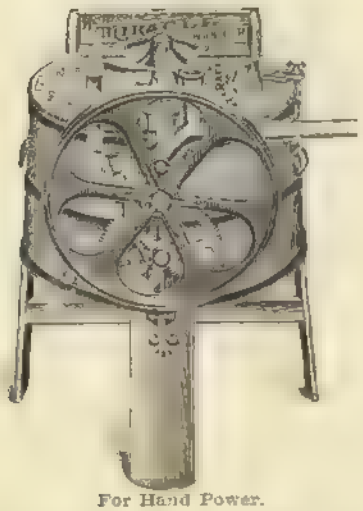
New Era—Heavy Polished Tin, 30 in. Wood Handle $7.00

The principle involved in this Washer is a pounding and stamping process creating a suc[illegible] thus forcing and drawing the dirt from the clothes

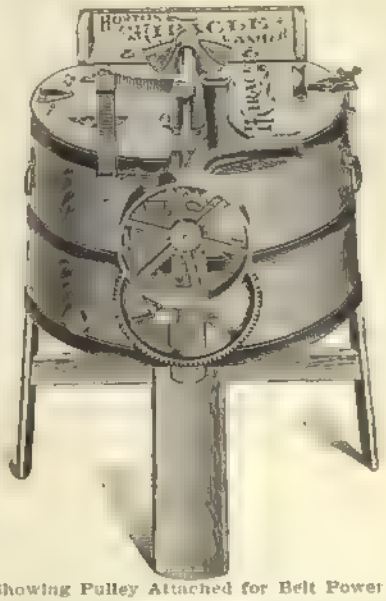
Loose.

Washing Machines.

MIRACLE.



For Hand Power.



Showing Pulley Attached for Belt Power

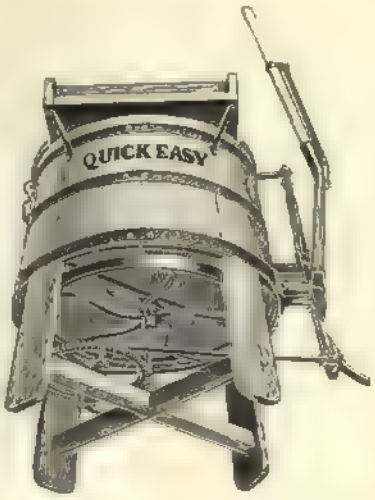
Each

No. 22—**Miracle**, Round, Family Size, Best Grade Louisiana Red Cypress Stave Leg Tub, Natural Wood Finish and Varnished Improved Wringer Board, Galvanized Iron Inside Parts, Green Enameled Fly Wheel and Hoops, Gold Bronzed Castings, Operating Lever can be Placed Either in a Horizontal or Perpendicular Position to Suit Convenience of Operator, **without Belt Pulley** $10 00

Extra Pulley Wheel—For Belt Power 1 75

Weight Each About 100 Pounds

QUICK EASY.



Each

Quick Easy Round, Family Size, Large Stave Leg Cypress Tub, Natural Finish and Varnished, Improved Wringer Board, Malleable Castings Fly Wheel and Gearing Under Tub $15 00

To secure the High Speed attained by the agitation on the "Quick Easy" Washer, power must be furnished (as other washers the operator must furnish the power, but with a "Quick Easy" the operator must furnish only **one-fourth** (25%) of the power. The other **three-fourths** (75%) is produced by the powerful action of the **Compound** Levers on the self gathering momentum mechanism under the tub.

This great saving in labor and wonderful power developed is due to two things

First—The large, heavy, accurately balanced fly wheel under the tub is forced to revolve at a high rate of speed by large gear working against a small one

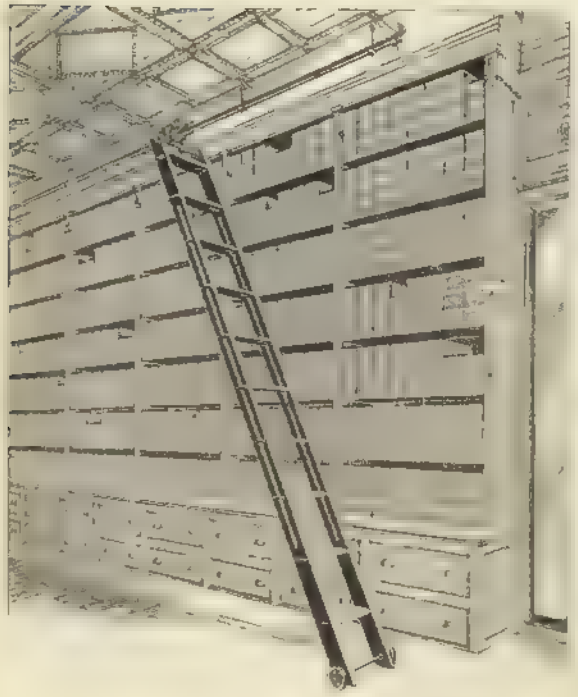
Second—The **Compound** Levers make it possible to use a higher geared mechanism and get wonderful power without hard work on the operator. The power developed does the work in place of the operator.

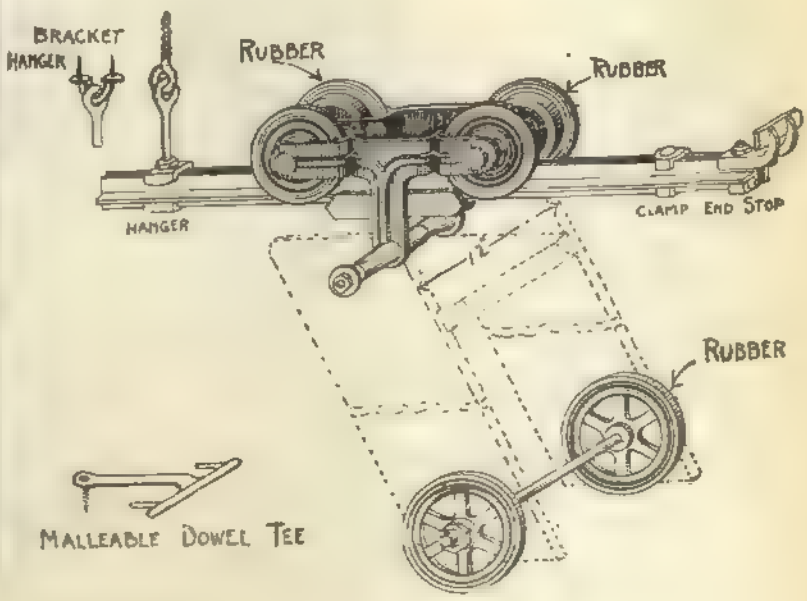
Weight Each About 80 Pounds.

One in a Crate.

Rolling Shelf Ladders.

MYERS' TROLLEY.





Cushion Tire.

	Each
No. 100—Myers' Ladder and Trolley, Complete, Ready to Put Up. Average Weight Crated, 60 Lbs...	$20 00

TRACK FOR ABOVE LADDERS.

	Per Foot
Track—For Myers' Ladders, Complete with Hangers	$0 30

Description.

The Ladder is constructed of the best clear Georgia Pine, nicely finished, filed and varnished; has open panel sides, 5 inches wide with 5 inch steps. Each step is supported at each end with spun malleable dowel tee which makes the strongest construction possible. The width of the ladder is 12 inches.

The Trolley is constructed of round rods of malleable iron fitted with turned steel bearings and 3 inch anti-rattler wheels turned and bored on lathe and fitted with rubber tires.

The Track is double angle steel rail, which is very neat and strong and is suspended from ceiling by means of lag screws, either jointed or rigid by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble and without any blocking or bridging, as is the case in many other tracks.

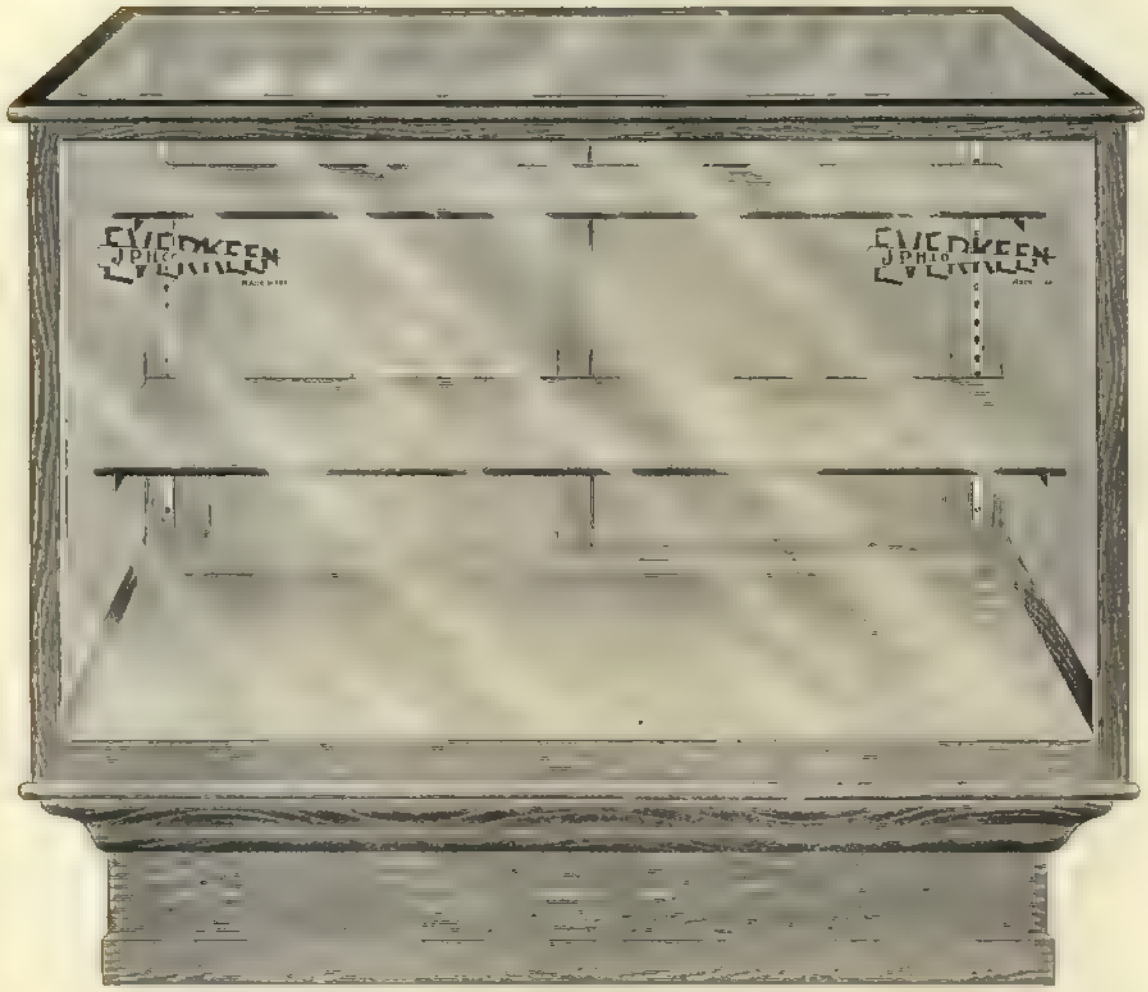
The Floor Travelers are 6 inches in diameter composed of steel rims with rubber cushion tires clamped in such a position as to be impossible to get off or come loose. These wheels are placed on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor. With this style trolley which is noiseless, a great objection is overcome in other ladders.

When the ladder is not the proper length for ceiling, cut off at the bottom and replace the lower traveler shaft by boring new holes at the proper point so as to have the steps of the ladder level.

Directions for Ordering Store Ladders.

Give the exact Height of Ceiling and the Length of Each Track, and the Fitting will be done at the Factory. If the Height of the Ceiling varies give the Height of Ceiling at Each End and Center of Each Run of Track.

Show Cases.



No. E463—Narrow Frame Display Case.

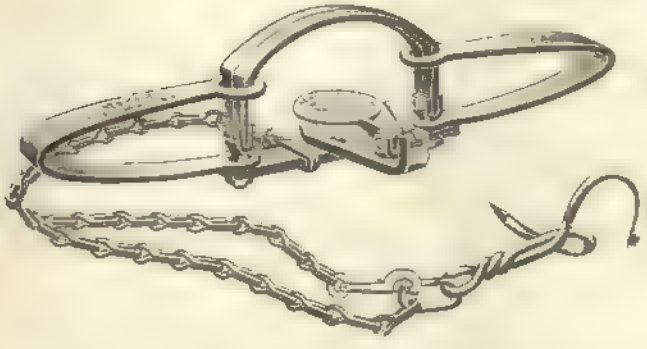
42 in. High, 25 in. Wide, Top Frame 1 in. Wide at the Front and Ends, Kiln Dried White Oak Frame, Light Golden Oak Finish, Varnished, Hand Rubbed and Highly Polished, Hardwood Base Double Strength Glass Front, Sides and Doors, ½ in. Bevel Plate Glass Top, One 10 in. and One 14 in. Hardwood Shelf on Nickel Plated Adjustable Shelf Brackets, Ball Bearing Sliding Doors, Running on Steel Track.

Length, Feet	4	5	6	7	8	9	10
Weight Each, Lbs.	200	250	300	350	400	450	500
Each	$46.00	50.00	60.00	70.00	80.00	90.00	100.00

The 4 and 5 ft. Cases have One Light Top and Front; 6 to 10 ft. Cases have Two Light Top and Front.

Steel Game Traps.

GENUINE NEWHOUSE.

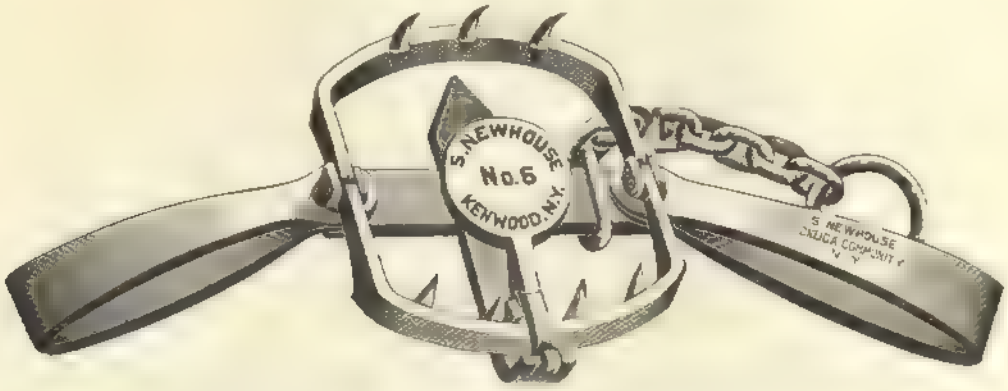


Double Spring, Extra Heavy Steel Swivel and Chain, Heavy Snap, Pronged Drag.

	Per Dozen
No. 4½—Wolf Trap. Spread of Jaws 8 in. Weight Per Dozen 98 Lbs.	$40.00

Double Spring, Heavy Chain and Ring

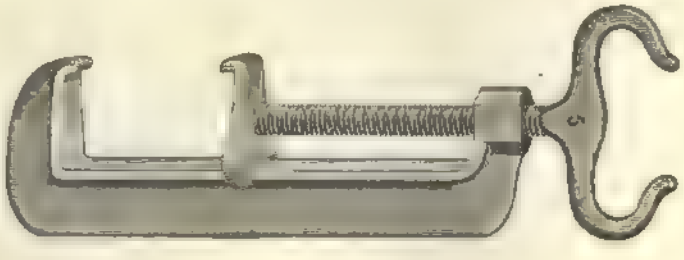
	Per Dozen
No. 5—Bear Trap. Spread of Jaws 11¾ in., Weight Per Dozen 228 Lbs.	$120.00



Double Spring, Heavy Chain, Swivel and Ring.

	Per Dozen
No. 6—Grizzly Bear Trap. Spread of Jaws 16 in. Weight Per Dozen 504 Lbs.	$280 00

Setting Clamps.



	Per Dozen
No. 4—For Traps No. 14 and Smaller	$2.50
No. 5—For Traps Nos. 4½ to 6	6.00

One of these Clamps applied to each Spring will, by a few turns of the Thumb Screw, bend the Springs to the proper places so that the Pan may be adjusted without difficulty. They dispense with the inconvenient and dangerous use of Levers.

Bracket Saws.

MILLERS FALLS.

Per Dozen Sets

No. 2—Nickel Plated Steel Frame, 5x12 in., with Rosewood Handle, 3 Sheets of Designs 12 Saw Blades, 1 Awl, 1 Sheet of Impression Paper, and Full Directions for Using $15.00

One-twelfth Dozen Sets in a Box

Scroll Saws.

CRICKET.

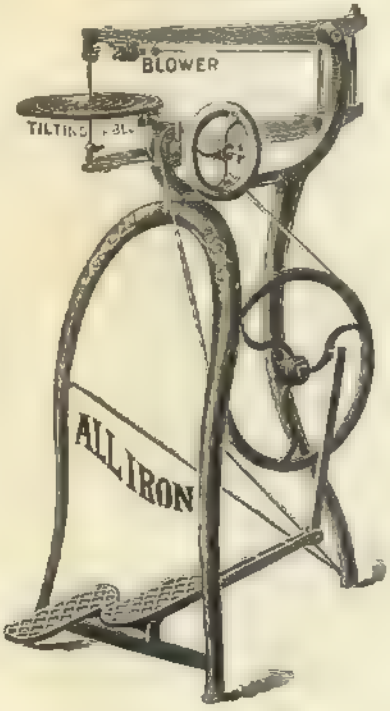
Each

No. 5—Foot Power, Japanned Iron Frame, Japanned Tilting Table, Second Growth Ash Arms, 18 in. Long, Improved Clamps $2.50

Weight Each, Boxed, 35 Lbs.

One in a Box.

NEW ROGERS.



Each

No. 1—Japanned Iron Frame, Iron Balance Wheel, Steel Arbors, Japanned Iron Tilting Table $3.50

No. 2—Same as No. 1, but with Emery Balance Wheel and Nickel Plated Tilting Table.. 4.00

Weight Each, Boxed, 42 Lbs.

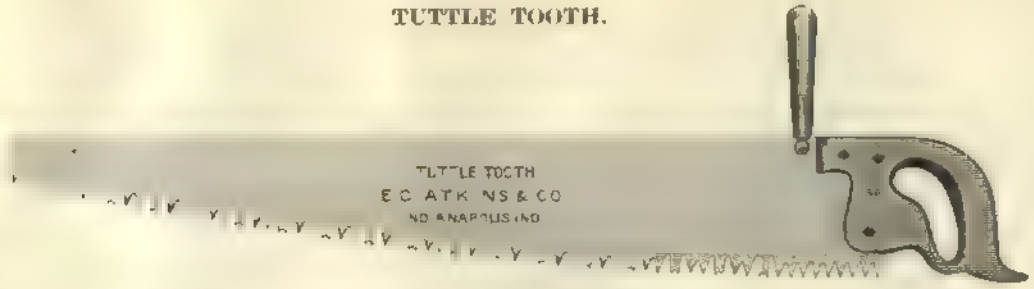
With each Saw we give 12 Saw Blades, 3 Drill Points and Sheet of Designs.

One in a Box.

One Man Cross Cut Saws.

E. C. ATKINS & CO.'S.

TUTTLE TOOTH.



Special Steel.

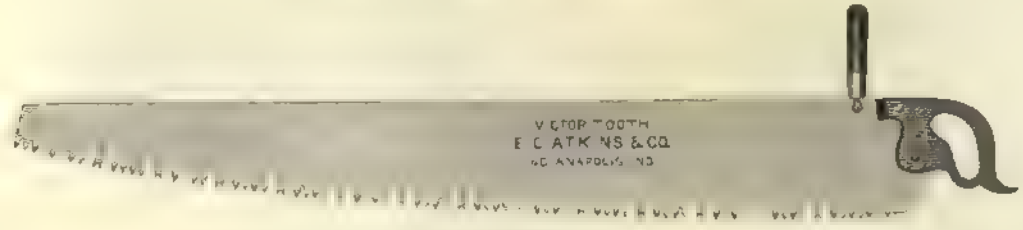
Length, Feet	3½	4	4½	5
Each, With Handles	$1.96	2 24	2.52	2.80

CEDAR KING.

Special Steel, Skew Back Carved Handle, Improved Pattern, Rex Pattern Tooth, Swaged Raker Teeth

Length, Feet	3½	4	4½
Each, With Handles	$2.45	2.80	3.15

PERFORATED, VICTOR TOOTH.



Special Steel

Length, Feet	4
Each, With Handles	$2 56

CANADIAN MONARCH, LANCE TOOTH.

Length, Feet	4
Each, With Handles	$3 50

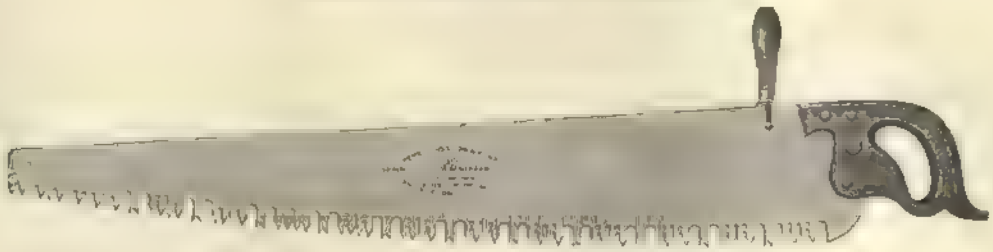
One Man Cross Cut Saws.

HENRY DISSTON & SONS'.

CHAMPION TOOTH.

Length, Feet	3½	4	4½	5
Each, With Handles	$2.60	3.00	3.35	3.70

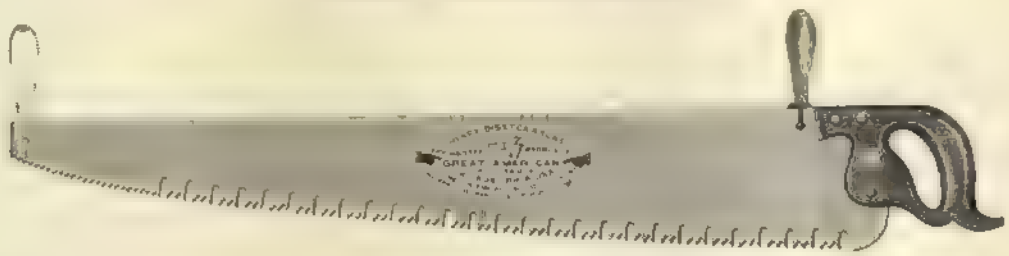
PERFORATED, LANCE TOOTH.



Extra Wide Blade, Nickel Plated Screws.

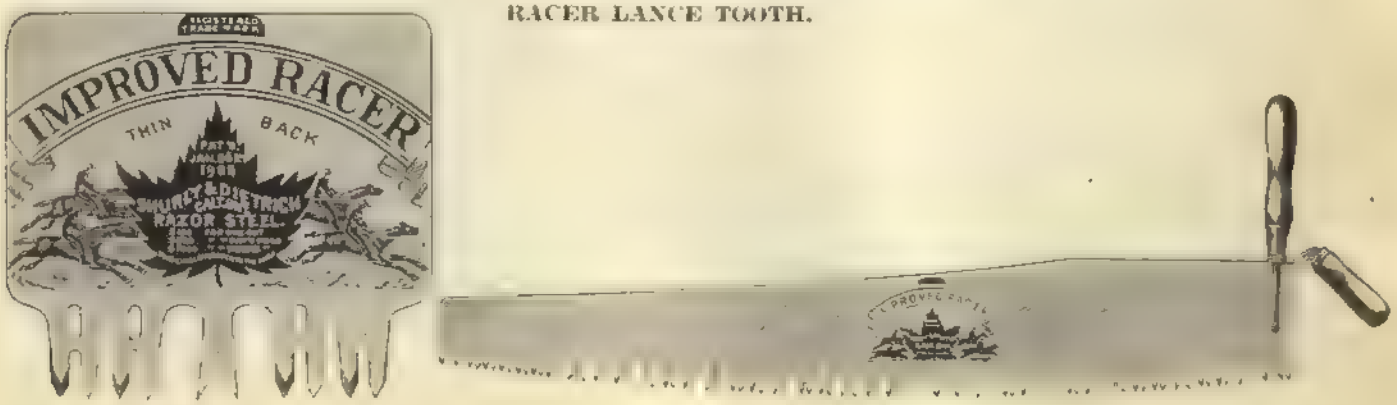
Length, Feet	4
Each, With Handles	$3.75

GREAT AMERICAN TOOTH.



Length, Feet	3½	4	4½	5
Each, With Handles	$2.85	3.25	3.65	4.10

RACER LANCE TOOTH.



Length, Feet	3½	4	4½	5
Each, With Handles	$4 50	5 00	5 50	6.00

DEPARTMENT NO. 9

GUNS, RIFLES, REVOLVERS, AMMUNITION

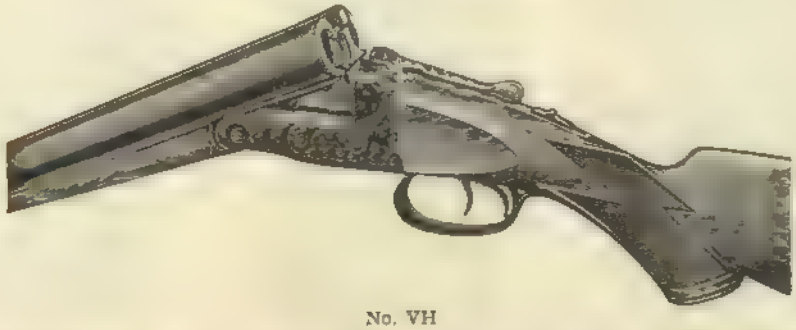
POWDER, CANVAS
CLOTHING, ETC.

JOHN PRITZLAFF HARDWARE CO.

MILWAUKEE, WIS.

Double Barrel Shot Guns.

PARKER HAMMERLESS.



No. VH

Top Lever Action, Rebounding Locks, Automatic Safety, Matted Extended Rib, Checkered and Engraved Full Pistol Grip, Patent Fore-End, Rubber Cap, Walnut Stock, Hard Rubber Butt Plate, Both Barrels Choke Bored.

Plain Ejector.

	Each
No. VH—12 Gauge, 30 and 32 in. Vulcan (Black) Steel Barrels, Weight 7½ to 8¼ Lbs	$50 00
No. VH6—16 Gauge, 28 and 30 in. Vulcan (Black) Steel Barrels, Weight 6¾ to 7¼ Lbs	50 00

Automatic Ejector.

	Each
No. VHE—12 Gauge, 30 in. Vulcan (Black) Steel Barrels, Weight 7½ to 8¼ Lbs	$75 00

No. GH

Top Lever Action, Rebounding Locks, Automatic Safety, Matted Extended Rib, Checkered and Engraved Full Pistol Grip, Patent Fore-End, Rubber Cap, Walnut Stock, Hard Rubber Butt Plate.

Plain Ejector.

Both Barrels Choke Bored.

	Each
No. PH—12 Gauge, 30 and 32 in. Fine English Stub Twist Barrels, Weight 7½ to 8½ Lbs	$65.00
No. GH—12 Gauge, 30 and 32 in. Fine Damascus Steel Barrels, Weight 7½ to 8½ Lbs	80.00
No. GH6—16 Gauge, 30 in. Fine Damascus Steel Barrels, Weight 6¾ to 7¼ Lbs	80.00

Automatic Ejector.

	Each
No. GHE—12 Gauge, 30 in. Fine Damascus Steel Barrels, Weight 7½ to 8½ Lbs	$105.00

No. DH

Top Lever Action, Rebounding Locks, Automatic Safety, Matted Extended Rib, Checkered and Engraved Full Pistol Grip, Patent Fore End, Rubber Cap, English Walnut Stock, Silver Shield, Skeleton Butt Plate, Both Barrels Choke Bored.

Plain Ejector.

	Each
No. DH—12 Gauge, 30 and 32 in. Fine Damascus Steel Barrels, Weight 7½ to 8½ Lbs	$100 00
No. DH6—16 Gauge, 30 in. Fine Damascus Steel Barrels, Weight 6¾ to 7½ Lbs	100 00

Automatic Ejector.

	Each
No. DHE—12 Gauge, 30 and 32 in. Titanic Steel Barrels, Weight 7½ to 8½ Lbs	$125.00

Washing Machines.

IRWIN SPRINGLESS MOTOR.

The Motor That Never Fails.

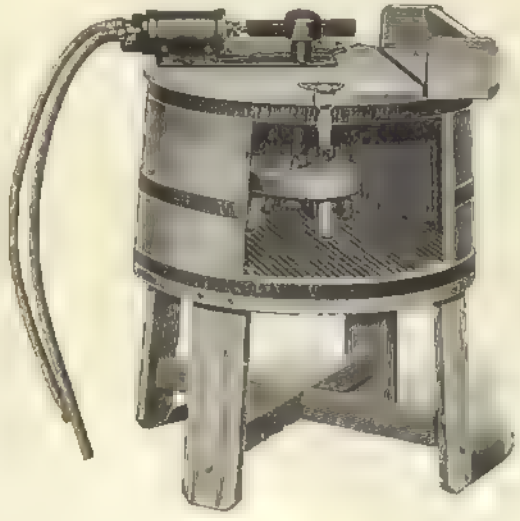
Each

Irwin Springless Motor Washer -Round, Family Size, Large Stave Leg Tub Corrugated Inside, Natural Finish, Improved Wringer Board, Galvanized Iron Inside Parts, Motor Made Entirely of Brass, Special Design Piston Equipped with Irwin Water Valves. Complete with Motor. $20 00

This Motor Washer depends solely on 30 Pounds or more Water Pressure for Shooting the Valves. The Valves cannot be rammed or injured, they have no dead center. There is nothing to break or replace and the motor will operate indefinitely just as long as you feed it water.

Weight Each About 75 Pounds.

PEERLESS MOTOR.



Each

Peerless Motor Washer -Round, Family Size, Large Cypress Tub, Corrugated Inside Green Finish, Improved Wringer Board, Galvanized Iron Inside Parts, Motor is Made of a Solid Brass Casting, Double Hydraulic Leather Cup Piston, Complete with Motor.....$19.00

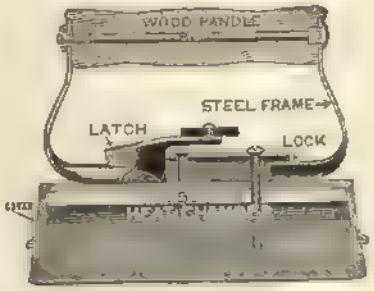
The Peerless Motor Washer is adapted for service where the Water Pressure is 20 Lbs. or over

Weight Each About 70 Pounds.

One in a Crate

Sad Irons.

HARPER ASBESTOS.



Nickel Plated, Asbestos Lined, Enameled Wood Handle.

		Per Set:
No. 35	Set Consists of One 4½ Lb. and One 5½ Lb. Double Pointed Iron and One 3½ Lb. Sleeve Iron, Complete with Handle and Stand	$2.40

Six Sets in a Box.

PELOUZE UNIVERSAL ELECTRIC.

Control of Temperature. Current On.

When Not in Use.

Showing Simplicity in Construction.

Full Nickel Plated, Asbestos Filled Iron Body, Enameled Wood Handle.

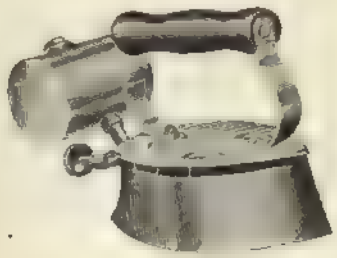
		Each
No. 1	-Weight 4 Lbs., 250 Watts, 105 to 115 Voltage, for Either Direct or Alternating Current	$7 20
No. 2	—Weight 6½ Lbs., 400 Watts, 105 to 115 Voltage, for Either Direct or Alternating Current	7 20

This Iron can be attached to any Electric Lamp Socket. **When Ordering Specify for what Voltage Irons are to be Used.**

One in a Carton.

		Each
Heating Elements—For No. 2 Pelouze Universal Electric Sad Irons		$3.00
Extra Cords—For Nos. 1 and 2 Pelouze Universal Electric Sad Irons		2 20

GASOLINE OR ALCOHOL.



	Each
Modern Interchangeable Gasoline or Alcohol Iron—Double Pointed, Cast Iron, Heavy Drawn Copper Tank, Enameled Wood Handle, Weight Each 4½ and 6 Lbs.	$6.00

One in a Carton.

SAD IRON HEATER.

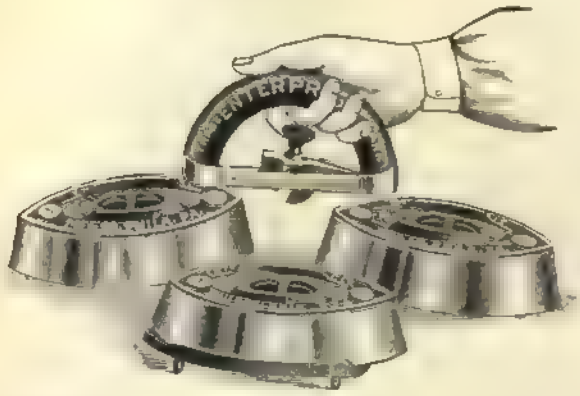
Harper.

	Each
No. 1—Harper, Cast Iron, White Nickel Finish	$2 00

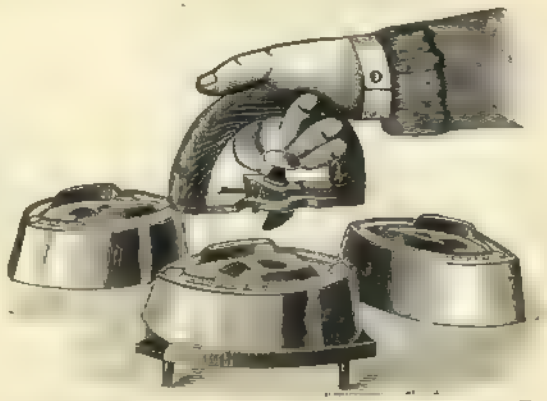
Loose.

Sad Irons.

ENTERPRISE.



MRS. POTTS' PATTERN.



Per Set

No. 50—Mrs. Potts', Nickel Plated, Tinned Caps, Double Pointed, "Best" Handle with Tinned Forged Iron Stretcher. Japanned Iron Stand $1.75
Weight Per Set 16 Pounds.

Per Set

No. 50W—Mrs. Potts' Pattern, Nickel Plated, Tinned Caps, Double Pointed, Wood Handle with Tinned Iron Stretcher, Japanned Iron Stand $1.60

No. 50A—Mrs. Potts' Pattern, Nickel Plated, Aluminum Plated Caps, Double Pointed, Wood Handle with Tinned Iron Stretcher, Japanned Iron Stand 1.50
Weight Per Set 15½ Pounds.

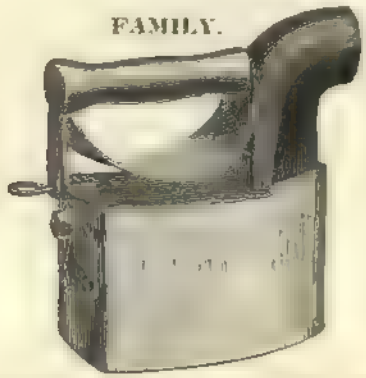
Six Sets in a Box.

FAMILY OUTFIT.

Per Set

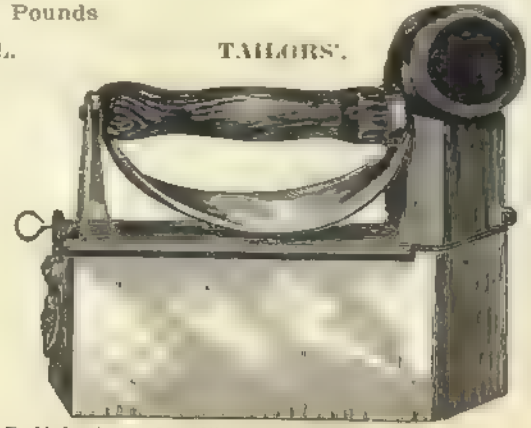
No. 330—Enterprise, Consists of One No. 82 Polishing Iron, One No. 90 Girls' Sad Iron and One Set No. 50 Double Pointed Sad Irons. All Nickel Plated, Tinned Caps, with Three Handles and Two Japanned Iron Stands, in a Neat Hardwood Box $7.00
Weight Per Set 26 Pounds

FAMILY.



CHARCOAL.

TAILORS'.



Polished Body, Wood Handle, with Shield

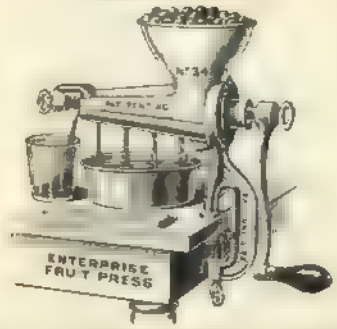
Nos.	3	4
Weight Each, Lbs	6½	7
Per Dozen	$18.00	18.00

Polished Body, Wood Handle, with Shield.

Nos.	16	18
Weight Each, Lbs.	16	18
Per Dozen	$45 00	45 00

Fruit, Wine and Jelly Presses.

ENTERPRISE.



Per Dozen

No. 34—Tinned, Length 12½ in., Height 13½ in., Capacity of Hopper 1 Quart, Weight Each 12½ Lbs., with Table Clamp.. . ...$42 00

One-half Dozen in a Case

Fruit and Vegetable Presses.

SILVER'S.

Per Dozen

No. 2—Retinned Strainer and Bowl, Japanned Handles $3.50
Extra Cups, for Silver's Presses, Fine 2 00
Extra Cups, for Silver's Presses, Coarse 2.00

HENIS'.

Per Dozen

No. 4—Retinned Strainer and Bowl, Tinned Handles $3.80

Fruit and Vegetable Eyers.

Per Dozen

Peerless—Cold Rolled Steel, Wood Handles...$1.20

For Removing the Eyes and Cores from Pineapples, Cores from Apples and Pears and Eyes from Potatoes, etc.

One Dozen in a Display box

Strawberry Hullers.

NIP-IT.

Per Dozen

Nip-It—Spring Steel, Nickel Plated, for Removing Hulls from Strawberries. $0 60

By its use one avoids Stained Fingers, Seeds under Finger Nails, Crushed Fruit, keeps Berries Whole for Table Use, takes out Soft Spots, etc.

One Dozen in a Box.

Corers.

Per Dozen

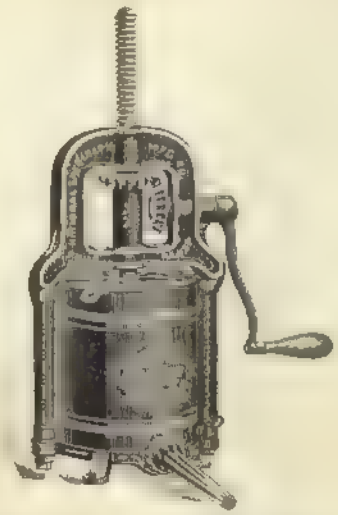
No. 25—Spengler Corer, Heavy Tin, Wood Handle, Saw Edge $1.60

Indispensable in preparing vegetables such as Potatoes, Carrots, Beets, Onions, etc. Coring permits a double process of cooking from the center outward as well as the usual method inward.

One Dozen in a Box

Lard and Fruit Presses.

NATIONAL.



Japanned, Corrugated Spout, Swinging Arch, Perforated Cylinder and Bottom Plate, Removable Plunger Plate.

Nos.	24	26	28
Capacity, Quarts	4	6	8
Weight Each, Lbs.	39	48	56
Each	$5.50	6.25	7.00

One in a Crate

INDEPENDENT QUICK ACTION.

Japanned, Cast Iron Parts, Heavy Tin Colander and Outside Cylinder.

No.	240
Capacity, Quarts	4
Weight Each, Lbs.	18
Each	$3.00

Sausage Stuffers.

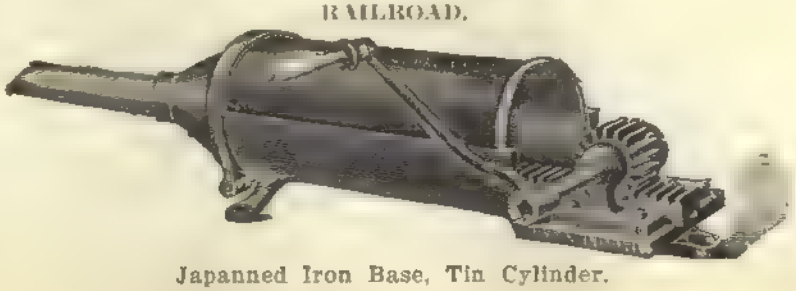
PERRY'S.

Japanned Iron

	Per Dozen
No. 1—Family Size, 3½ in. Cylinder, 22 in. Lever Handle, Weight Each 9 Lbs.	$15 00
No. 0—Butchers' Size, 4½ in. Cylinder, 25 in. Lever Handle, Weight Each 13 Lbs	21.00

One-half Dozen in a Box

RAILROAD.



Japanned Iron Base, Tin Cylinder.

	Per Dozen
No. 10—Family Size, Capacity 3½ Lbs., Weight Each 8 Lbs.	$20 00

One-half Dozen in a Box.

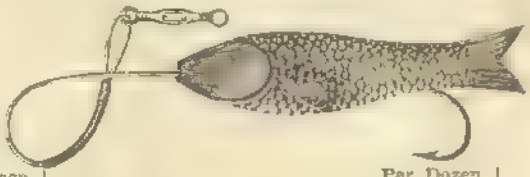
Trout and Bass Baits.

NON-LUMINOUS, PAINTED TRUE TO NATURE.

Per Dozen
No. 0—1¾ in. Body, Phantom Minnow.....$4.00
One-twelfth Dozen in a Box, One-half Dozen in a Carton.

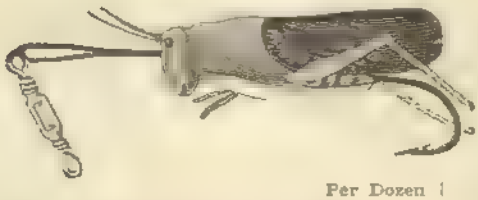
Per Dozen
No. 1½—2¼ in. Body, Phantom Minnow.....$4.00

Per Dozen
No. 010—1¼ in. Long, Soft Rubber Casting Minnow $3.00
One Dozen on a Card.



Per Dozen
No. 2½—2 in. Long, Soft Rubber Casting Minnow $4.25
One-half Dozen in a Box.

Per Dozen
No. 020—1¼ in. Long, Soft Rubber Grass Hopper $2.00
One Dozen on a Card

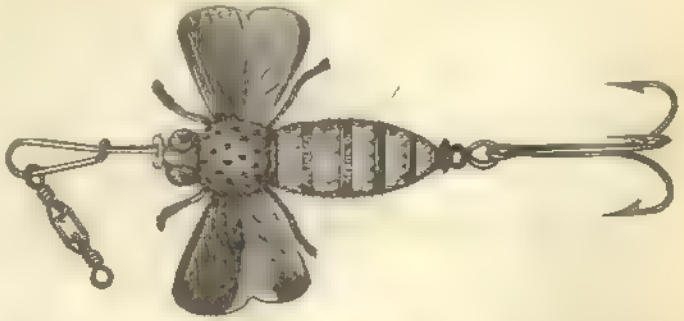


Per Dozen
No. 3½—1¾ in. Long, Soft Rubber Grass Hopper. $3.00
One Dozen in a Box.

Per Dozen
No. 040—2¼ in. Long, Soft Rubber Craw Fish, with Swivel..... .$4.00
Three on a Card; One Dozen in a Box.

Per Dozen
No. 030—1 in. Long, Soft Rubber Froggie.....$3.00
One Dozen on a Card.

Per Dozen
No. 4½—2 in. Long, Soft Rubber Froggie $3.75
One Dozen in a Box.



Per Dozen
No. 025—3 in. Long, All Metal, "May Bug Spinner" $4.00
The body being separated from the Wings gives life-like action to this Bait when drawn through the water.
Three on a Card; One Dozen in a Box.

Per Dozen
No. 050—2½ in. Long, Soft Rubber Angle Worm, with Swivel.....$3.50
One Dozen in a Box.

Per Dozen
No. 5½—2½ in. Long, Soft Rubber Dobson $3.50
Three on a Card; One Dozen in a Box.

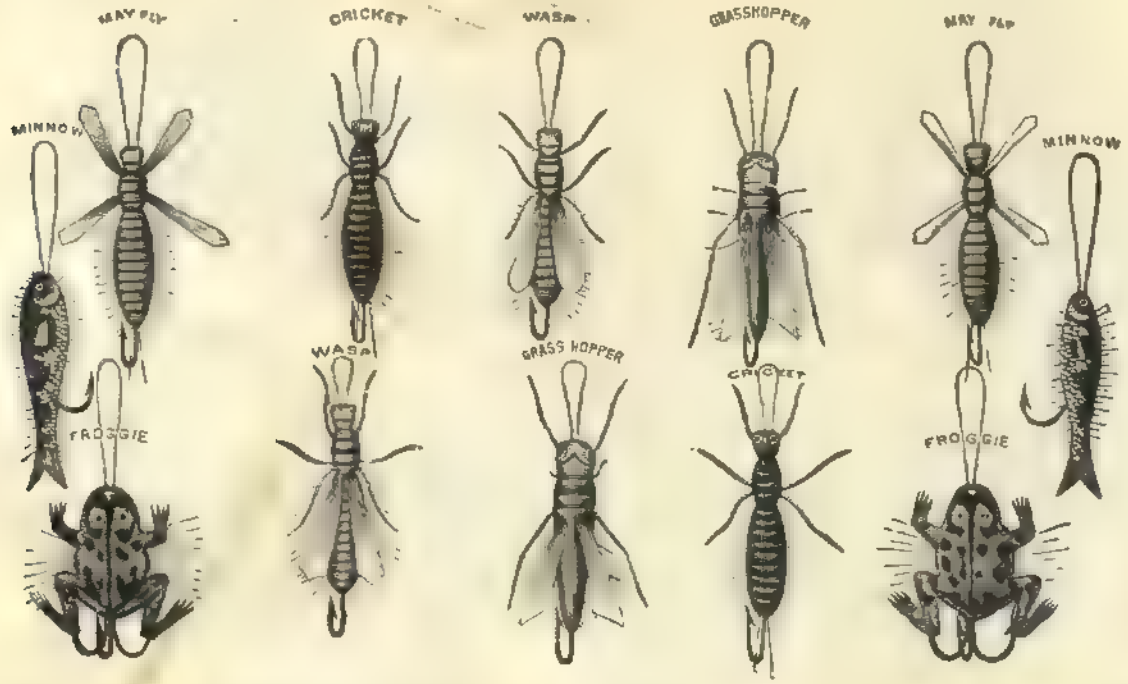
Artificial Insects.

Cuts Full Size.

PURE SOFT RUBBER.

Per Card

No. 1 Assortment—Small Size, Non-Luminous, Painted True to Nature, Assorted, One Dozen on a Card . $1.50



Per Card

No. 2 Assortment Large Size, Luminous, Painted True to Nature $3.00
No. 02 Assortment Large Size Non-Luminous, Painted True to Nature 2.50

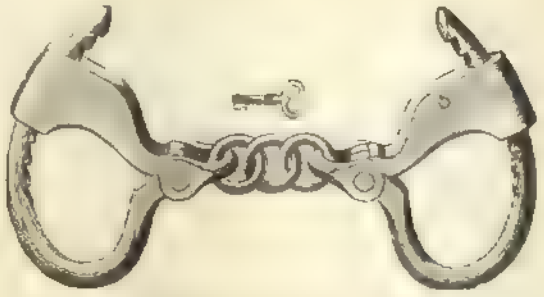
Assorted One Dozen on a Card, One Card in a Box

Hand Cuffs.

Bean's, Improved Pattern.

	Per Pair
No. 1—Polished	$4.00

One Pair in a Box

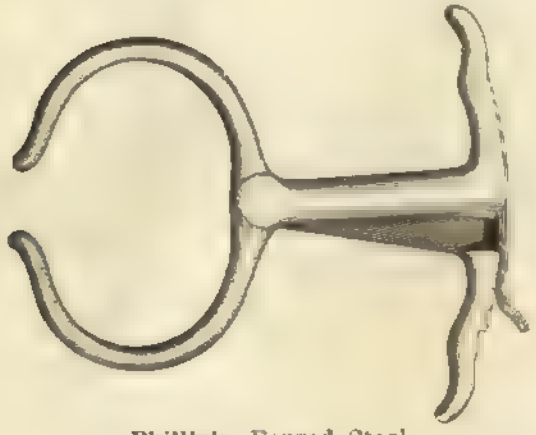


Tower's, Adjustable, Steel Bows, Double Lock.

	Per Pair
No. 10—Polished	$4.00
No. 12—Nickel Plated	4 75

One Pair in a Box

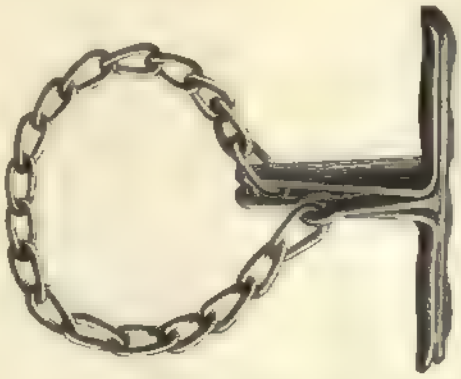
Police Nippers.



Phillip's, Forged Steel.

	Per Dozen
No. 19 Improved Pattern, Nickel Plated	$12 00

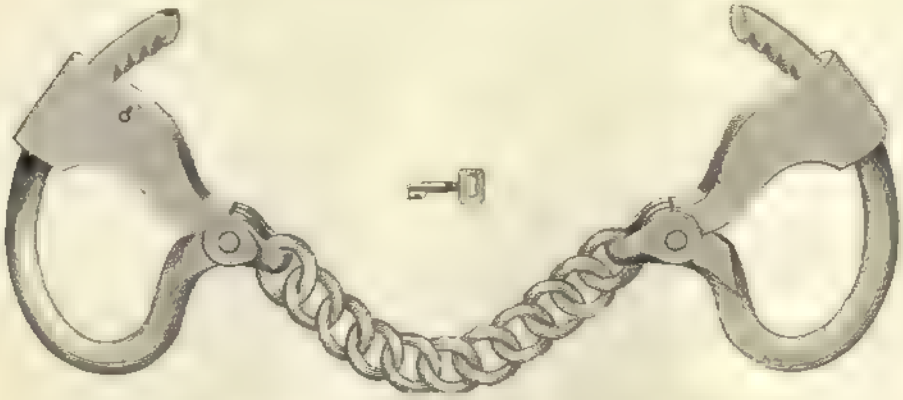
One-half Dozen in a Box



Tower's Perfect, Welded Chain.

	Per Dozen
No. 21 Nickel Plated Interlocking Handles	$12 00

Leg Irons.



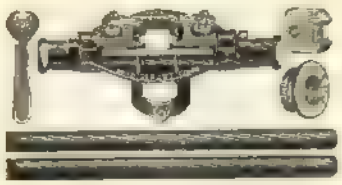
Tower's Adjustable, Forged Steel Shackles, Double Locking.

	Per Pair
No. 16—Polished	$6.00
No. 18—Nickel Plated	7.00

The Double Lock is not a mere name, but in fact two secure Tumbler Locks, one self locking, the second locked with the key; the same key unlocking both when double-locked, by turning twice around in the same direction.

One Pair in a Box

Pipe Stocks and Dies.



Armstrong's Adjustable, with Right Hand Thread Dies

		Each
No. A1	—4 Single End Dies, Threads ⅛ to ½ in. Pipe	$ 9.00
No. A2	—5 Single End Dies, Threads ¼ to 1 in. Pipe	12.00
No. A2½	—4 Double End Dies, Threads ½ to 1¼ in. Pipe	12.00
No. A3	-3 Single End Dies, Threads 1¼ to 2 in. Pipe	20.00
No. A6	—2 Double End Dies, Threads 2½ to 3 in. Pipe	40.00
No. A7	8 Double End Dies, Threads 2½ to 4 in. Pipe	60.00

Nos. A6 and A7 Stock and Dies have Four Arms, Balance only Two Arms

One Set in a Box

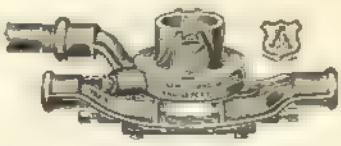
EXTRA DIES FOR ABOVE.

Either Right or Left Hand Threads.

For Stock Nos.	A1	A2	A2½	A3	A6	A7
Per Set	$1.25	1.50	3.25	4.00	15.00	16.00

Set of Dies consists of 2 Pieces, except the No. 7 which has 4 Pieces

Ratchet Attachments.



For Stock Nos.	A2	A2½	A3
Each	$2 50	3 00	3.50

Bard Adjustable Bushings.

Nos.	1	2	2½	3
For Stocks Threading. Inches, and Smaller..	½	1	1¼	2
Each	$4.50	5.00	6 00	8 00

Farriers' Knives.

POPE'S.

Per Dozen

No. 1—Pope's, Iron Handle, Cast Steel Blade, Assorted, ⅝ or ¾ in. **$4.50**

Extra Blades, ⅝ and ¾ in. **3.50**

One-half Dozen in a Box

WOSTENHOLM'S IXL.

Per Dozen

No. 7834—Wostenholm's IXL, Bone Handle, Cast Steel Blade **$6.00**

One-half Dozen in a Package

Pocket Knives.

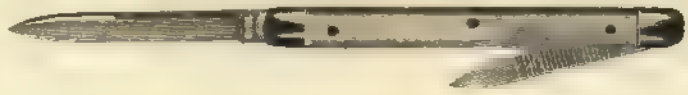
Cuts Full Size

Per Dozen

No. 307P Two Blades, Pearl Handle Brass Lined, German Silver Bolsters $4 00

Per Dozen

No. C207—Two Blades, Full Pearl Handle, Brass Lined, Full Crocus Finish.....$8.00



Per Dozen

No. 11285—Two Blades, Pearl Handle German Silver Lined, German Silver Bolsters, Full Crocus Finish $8.00

Per Dozen

No. 11289—Two Blades Full Pearl Handle, German Silver Lined, Full Crocus Finish $8.00

Per Dozen

No. C317—Three Blades, Full Pearl Handle, Brass Lined, Full Crocus Finish.....$8.00

Per Dozen

No. C247—Two Blades, Pearl Handle Brass Lined, German Silver Tips, Full Crocus Finish $8.00

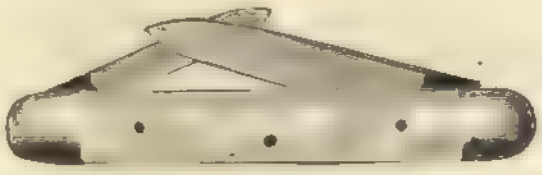
One-half Dozen in a Box

Pocket Knives.

Cuts Full Size.

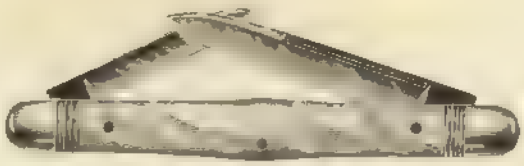
Per Dozen

No. 100—Two Blades, Press Button Knife, Stag Handle, Brass Lined Full Polished . . . . . $1.. 00



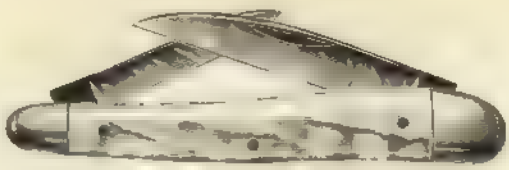
Per Dozen

No. C217—Two Blades, Pearl Handle, Brass Lined, German Silver Bolsters, Full Crocus Finish $8.00



Per Dozen

No. C227—Two Blades Pearl Handle, Brass Lined, German Silver Bolsters. $8.00



Per Dozen

No. C237—Two Nickel Plated Blades, Pearl Handle, Brass Lined, German Silver Bolsters. $8.00

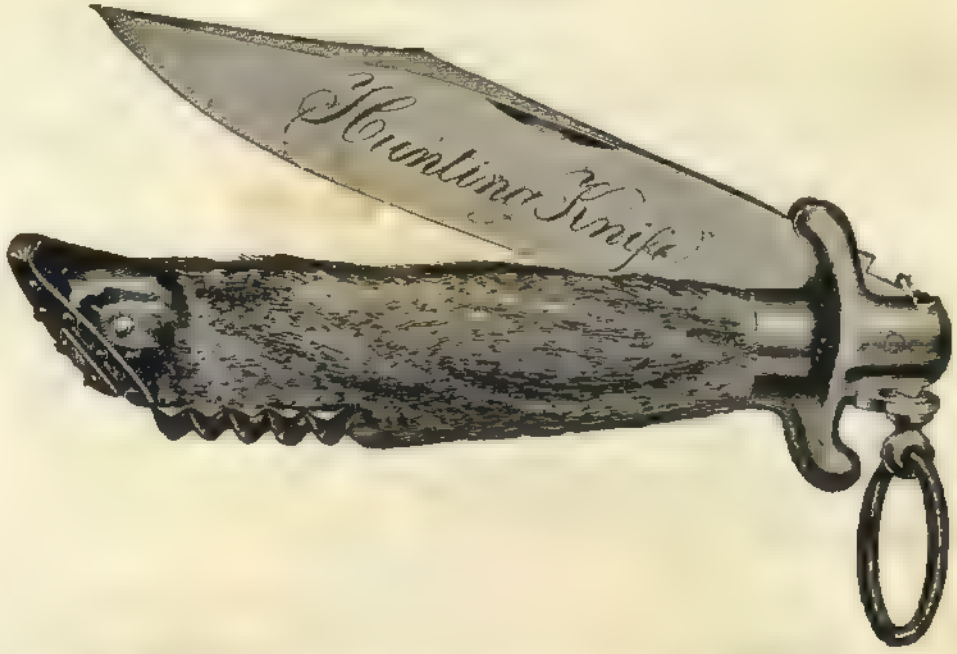
Per Dozen

No. 465—**Corn knives**, One Blade, Celluloid Ivory Handle, Brass Lined, Full Crocus Finish . . $10 00

One-half Dozen in a Box.

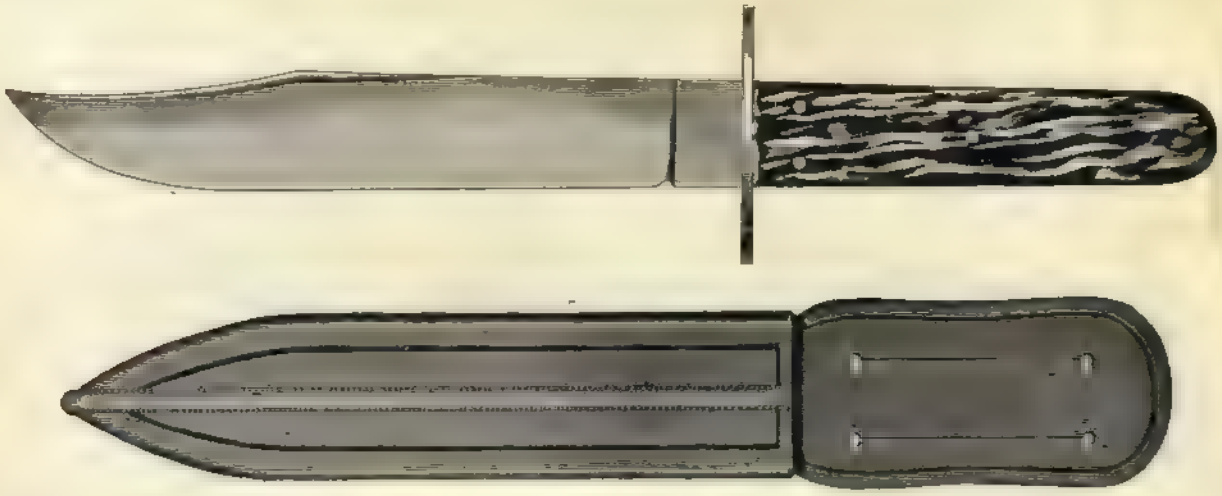
Pocket Knives.

DEER FOOT HUNTING.



Per Dozen

No. 6923—4 3/4 in. Blade, with Cork Screw, Deer Foot Handle, Brass Lined, German Silver Guard, Bolster and Cap..... $35.00

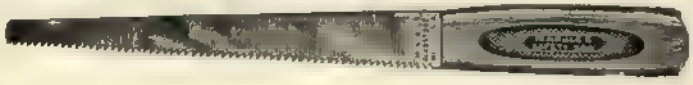


Per Dozen

No. 265—6 in. Cast Steel Blade, Stag Handle, Nickel Silver Guard, with Leather Sheath $15.00
Extra Leather Sheaths..... 3.50

Safety Saws.

MARBLE'S.



Per Dozen

No. 77—Folding, 8 in. Blade, Weight 4 Oz..... $12.00

The Marble's Safety Saw is folded and constructed the same as the Safety Carver except that the blade when folded is held by an inside clasp

Pocket Knives.

JOHN ENGSTROM'S SWEDISH.

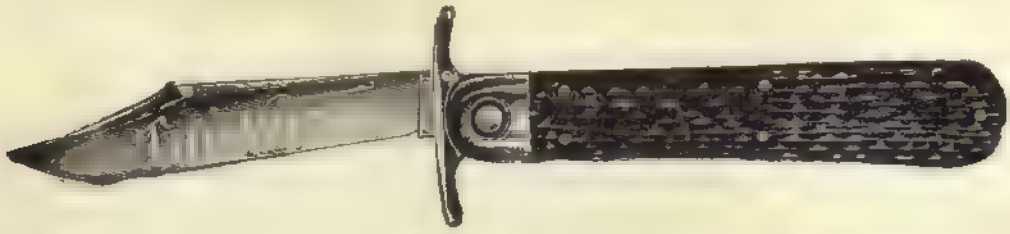
Finest Quality Razor Steel, Full Crocus Finish Blade.

		Per Doze
No. 0—3	in Blade 5½ in. when Closed, 8 in. Full Length, Heavy Pattern, Oval Wood Handle	$1
No. 01 4	in Blade, 5¼ in when Closed, 8 in. Full Length, Light Pattern, Oval Handle	10 50
No. 1—3¼	in. Blade, 4⅝ in. when Closed, 7¼ in Full Length Oval Wood Handle.....	9.50

PUSH BUTTON HUNTING.

Per Dozen

No. 1000—4 in Blade, Stag Handle, Steel Lined, German Silver Bolster, Push Button Lock, Crocus Finish $14.00



Per Dozen

No. 1005—4 in Blade, Stag Handle, Steel Lined, German Silver Bolster, Push Button Lock, with Guard, Crocus Finish.....$16.00

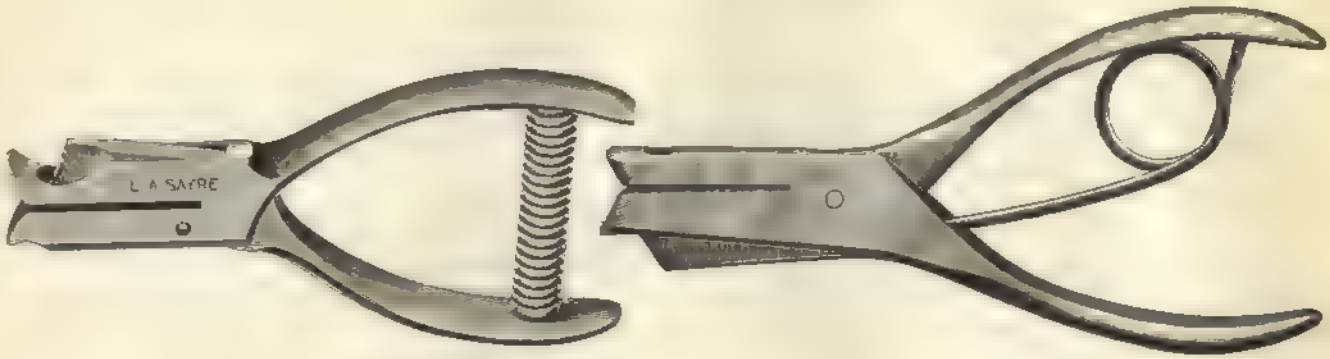
WESTERN DEER FOOT HUNTING.

Per Dozen

No. C1100 3 in Blade Deer Foot Handle, Brass Lined, German Silver Guard, Bolster and Cap $18 00

One-half Dozen in a Box.

Conductors' Punches.



Per Dozen

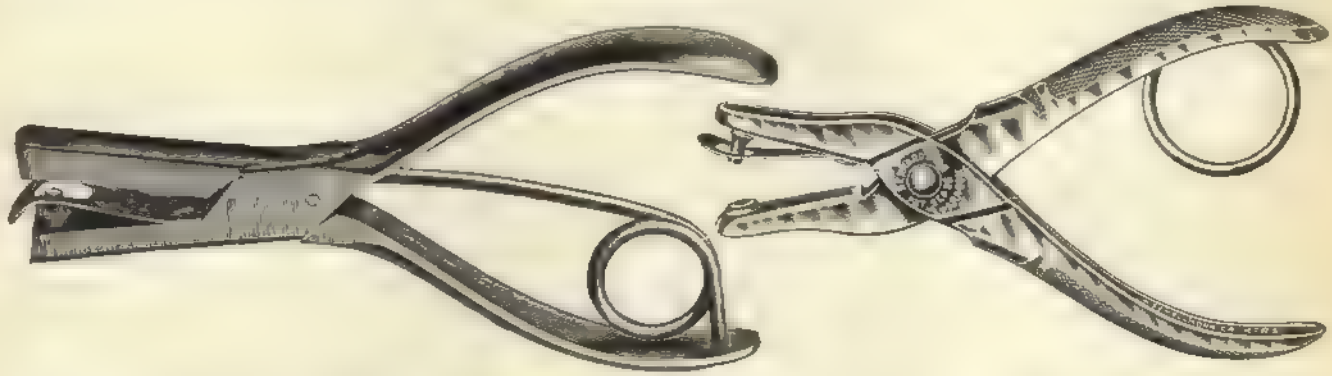
No. 421—Cast Steel, Nickel Plated, Fancy Dies $30.00

One-twelfth Dozen in a Box

Per Dozen

No. 31—Cast Steel, Polished, Fancy Dies..... $6.00

One-half Dozen in a Box.



No. 215.

Per Dozen

No. 200—Cast Steel, Nickel Plated, Round Dies ..... $ 9.00

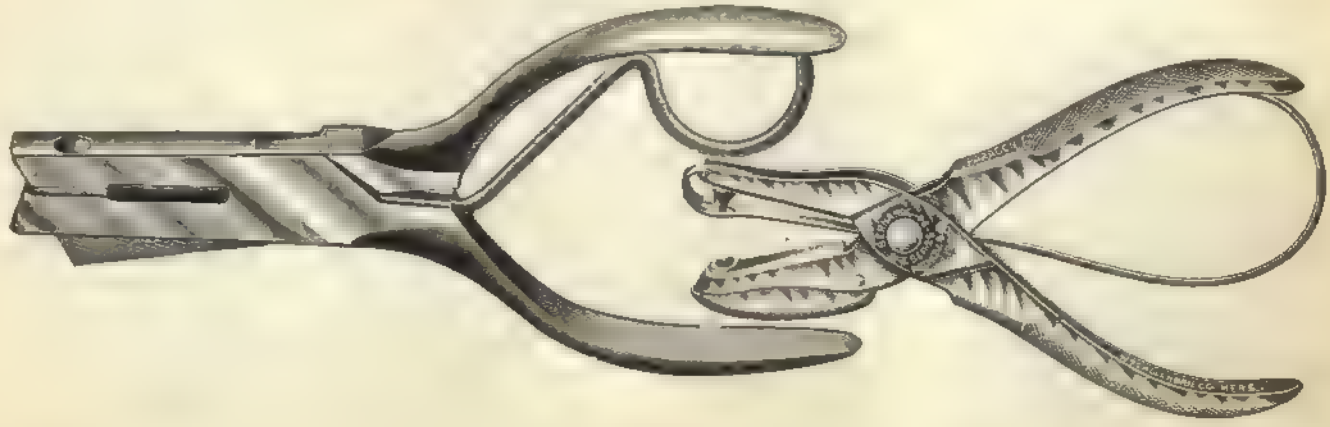
No. 215—Cast Steel, Nickel Plated, Fancy Dies 12.00

One-half Dozen in a Box

Per Dozen

No. 44—Pressed Steel, Nickel Plated, Fancy Dies $4.00

One-half Dozen in a Box.



Per Dozen

No. 219—Cast Steel, Nickel Plated, Fancy Dies, Length of Reach ⅞ in..... $13.00

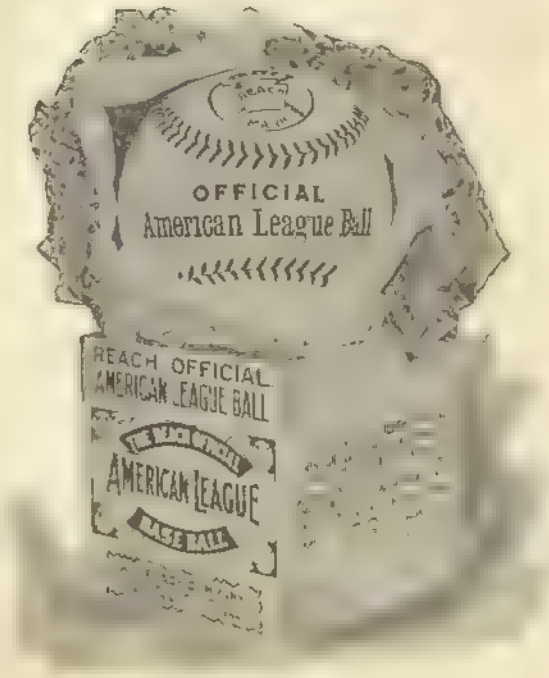
Per Dozen

No. 46—Pressed Steel, Nickel Plated, Fancy Dies, with Reservoir..... $4.50

One-half Dozen in a Box.

Base Balls.

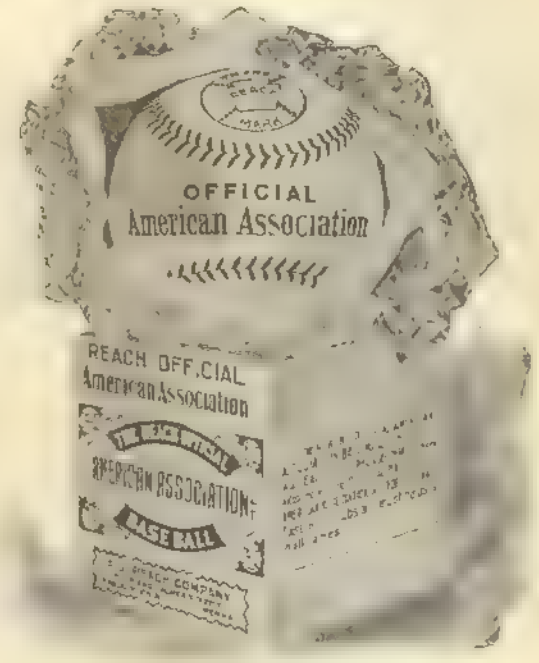
REACH.



Per Dozen

No. 0—American League, Superfine Wool Yarn, Cork Center, Covered with Best Para Rubber, Best Horsehide Cover, Guaranteed to Last a Full Game, Each Ball Wrapped in Tin Foil, Put up in Separate Box and Sealed $15.00

Used Exclusively by the American League



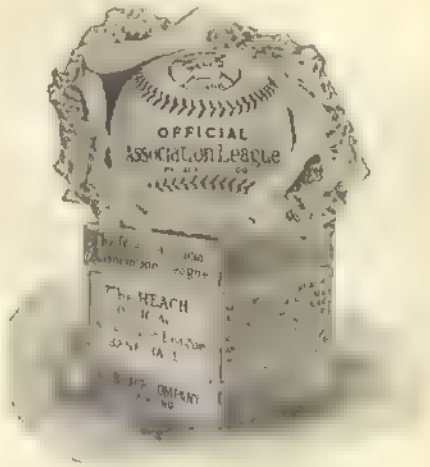
Per Dozen

No. 1—American Association, Superfine Wool Yarn, Cork Center, Covered with Best Para Rubber, Best Horsehide Cover, Guaranteed to Last a Full Game, Each Ball Wrapped in Tin Foil, Put up in Separate Box and Sealed $15.00

Used Officially by the American Association.

Per Dozen

No. 1B—Seamless, Superfine Wool Yarn, Best Para Rubber Center, Best Horsehide Seamless Cover, the Possibility of its Ripping Being Precluded, Guaranteed to Last a Full Game, Each Ball Wrapped in Tin Foil, Put up in Separate Box and Sealed $18.00



Per Dozen

No. 1L—Association League, Best Wool Yarn, Best Para Rubber Center, Best Horsehide Cover, Guaranteed to Last a Full Game, Each Ball Wrapped in Tin Foil, Put up in Separate Box and Sealed .. $12.00

One Dozen in a Box.

Base Balls.

REACH.

Per Dozen

No. 3C—League, All Wool Yarn, Rubber Center, Horsehide Cover, Guaranteed to Last a Full Game, Each Ball Wrapped in Tin Foil, Put up in Separate Box and Sealed.....$12.00

Per Dozen

No. 2—Junior American League, Boys' Size, Superfine Wool Yarn, Best Para Rubber Center, Best Horsehide Cover, Guaranteed to Last a Full Game, Each Ball Put up in Separate Box and Sealed.....$9.00

Per Dozen

No. 4A—Professional, Regulation Size and Weight of Good Material, Good Quality Horsehide Cover; a First-Class Ball for Amateurs, Each Ball Put up in Separate Box and Sealed.....$9.00

Per Dozen

No. 5—Junior Professional, Boys' Size, Good Material Throughout, Best Horsehide Cover, Each Ball Put up in Separate Box and Sealed $6.00

Per Dozen

No. 7—Bounding Rock, Regulation Size and Weight, Horsehide Cover, Each Ball Put up in Separate Box and Sealed.....$6.00

Per Dozen

No. 8—Cock of the Walk, Regulation Size and Weight, Horsehide Cover, Each Ball Put up in Separate Box and Sealed.....$3.00

Per Dozen

No. 9—Junior League, Junior Size and Weight, Good Lively Material, Horsehide Cover, Each Ball Put up in Separate Box and Sealed $3.00

Per Dozen

No. 8B—Sky Scraper, Junior Size, Horsehide Cover, Each Ball Put up in Separate Box and Sealed.....$3 00

One Doze. in a Box

Foot Balls.

REACH.

Per Dozen

No. 55—Varsity, Special Tuf-Ide Pebble Grain Leather, Tanned Expressly for this Ball, Only the Very Best Selection of this Leather is Used Insuring a Perfect Shape, Complete with Special Rubber Bladder, Inflating Pump, Lacing Needle and Leather Lace....$60.00

Per Dozen

No. 5—Inter-Collegiate, Selected Pebble Grain Cowhide Leather, Perfect Shape, Perfectly Symmetrical, Complete with Rubber Bladder, Inflating Pump, Lacing Needle and Leather Lace.....$48.00

Per Dozen

No. 5R—Rugby Match, Superior Pebble Grain Cowhide Leather, Lined with Best Canvas, Guaranteed Perfect Shape, Regulation Size, Complete with Bladder, Lacing Needle and Leather Lace $42.00

Per Dozen

No. 5C—Academic Rugby, Selected Pebble Grain Cowhide Leather, Lined with Best Canvas, Guaranteed Perfect Shape, Regulation Size, Complete with Bladder, Lacing Needle and Leather Lace $36.00

Per Dozen

No. 5F—Scholastic Rugby, Fine American Pebble Grain Cowhide Leather, Regulation Size, Complete with Bladder, Lacing Needle and Leather Lace...$30.00

Per Dozen

No. 5G—Rugby, Specially Prepared American Cowhide Leather, Extra Strong, Complete with Pure Para Rubber Bladder, Lacing Needle and Leather Lace $30.00

Per Dozen

No. 5H—Special Rugby, Selected Pebble Grain Leather, Lined with Best Canvas, Guaranteed Perfect Shape, Regulation Size, Complete with Bladder and Leather Lace, Holes Eyeletted..$24.00

Per Dozen

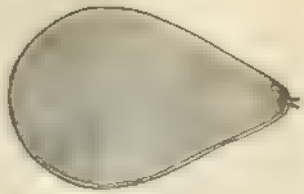
No. 5S—Amateur Rugby, Finest Pebble Grain Leather, Canvas Lined, Regulation Size, Guaranteed to Hold Their Shape, Complete with Rubber Bladder $18.00

Per Dozen

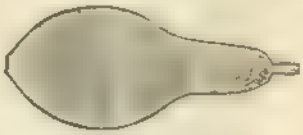
No. 5M—Practice Rugby, Fine Brown Grain Leather, Canvas Lined, Guaranteed to Hold Their Shape, Complete with Rubber Bladder..$15.00

Striking Bag Bladders.

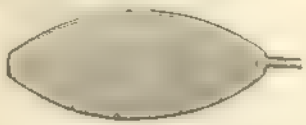
REACH.



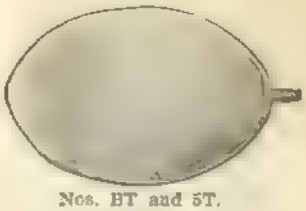
Nos. B and 5.



No. 7.



No. 7T.



Nos. BT and 5T.

Pure Para Rubber, Thoroughly Tested.

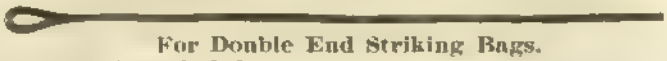
	Per Dozen
No. 7—For Single End Bags Nos. 18, 20, 30, 35 and 40	$15.00
No. 5—For Single End Bags Nos. 4½, 10, 12, 13 and 15	13.00
No. B—For Single End Bags Nos. 0 and 3½	10.80

	Per Dozen
No. 7T—For Double End Bags Nos. 28D and 30D	$15 00
No. 5T—For Double End Bags Nos. 4, 7D, 10D and 12D	12 00
No. BT—For Double End Bags, Nos. XD, 6D, 2D and 3½D	10 80

BUCKSKIN, SEAMLESS.

	Per Dozen
No. 1—Pear Shape, Top Stem	$ 9 00
No. 2—Pear Shape, Top Stem	10 50
No. 11—Pear Shape, Side Stem	$ 9.00
No. 22—Pear Shape, Side Stem	10 50

Rubber Elastic Cords.

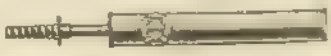


For Double End Striking Bags.

Per Dozen

No. 16—Heavy Weight, Loop End, Length 3 ft. $3.00

Reach Inflators.



Per Dozen

No. 1—Pocket Size, Brass, Nickel Plated, Diameter ⅞ in., Extreme Length 7¼ in. $3 00

Per Dozen

No. 2—Club Size, Brass, Nickel Plated, Diameter 1½ in., Extreme Length 13½ in $6 00

For Foot Balls, Striking Bags, Basket Balls, etc.

Foot Balls.

REACH.

Per Dozen

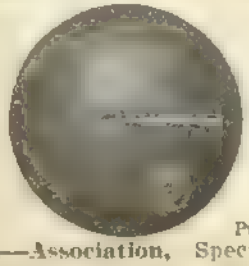
No. G—Gaelic, Selected Tuf-Ide Leather in Eight Sections, Complete with Extra Heavy Bladder, Inflating Pump, Lacing Needle and Leather Face, Guaranteed Perfect Shape . $60 00

Per Dozen

No. EA5—Soccer, Selected Tuf-Ide Pebble Grain Leather, in Eight Sections, Complete with Special Bladder, Inflating Pump, Lacing Needle and Leather Lace, Guaranteed Perfect Shape. $60.00

Per Dozen

No. 5A—Match Association, Fine Pebble Grain Cow-hide Leather in Eight Sections, with Button Ends Complete with Pure Rubber Bladder, Lacing Needle and Leather Lace $48 00



Per Dozen

No. 5L—Association, Specially Prepared Cow Hide Leather in Eight Sections, with Button Ends, Complete with Pure Rubber Bladder, Lacing Needle and Leather Lace . $36.00

Per Dozen

No. 5X—Amateur, Finest Pebble Grain Sheepskin Leather, in Eight Sections, Regulation Size, Canvas Lined, Complete with Bladder..... $24.00

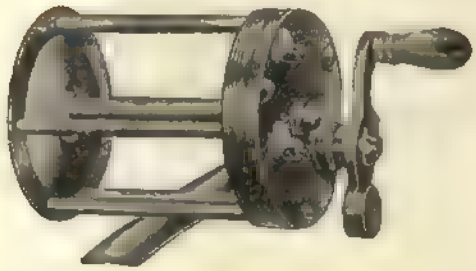
Per Dozen

No. 50X—Youths' Association, Fine Brown Grain Sheepskin Leather, Regulation Size, Canvas Lined, Complete with Bladder $18.00

Fishing Reels.

QUADRUPLE MULTIPLYING.

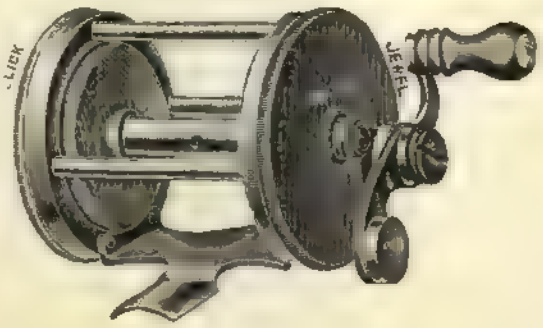
REDIFOR MODEL F.



Nickel Plated Steel Axles and Pinion, 1⅞ in. Wide Spool, Fancy White Celluloid Balance Handle, Front Click and Drag Automatic Self-Thumbing Device Bearing on Inside of the Left Spool Disc.

	Plain Caps.	Jeweled Caps.
Nos.	F	FP
Capacity, Yards	80	80
Diameter of Disk, Inches	2	2
Each	$6.00	7.50

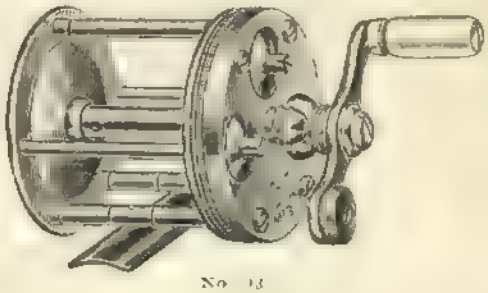
QUICK-APART.



German Silver Take-Apart Frame, Steel Pivots, Dark Bone Balance Handle, Jeweled, with Patent Internal Adjustable Click, which is Connected and Brought in Place by Turning Left Disc ½ in. to the Right. To Take Reel Apart, Turn Left Disc to the Right Until Unscrewed. No Screws Visible Anywhere in this Reel.

Nos.	513	514
Capacity, Yards	60	80
Diameter of Disk, Inches	1⅝	1¾
Each	$6.00	6.50

"BLUE GRASS," KENTUCKY.



No. 03

Finest German Silver, Spiral Gears, Anti-Friction Bearings, Tempered Tool Steel Pivots and Stud, Screw-off Caps, Ivory Balance Forward Handle, Click and Drag.

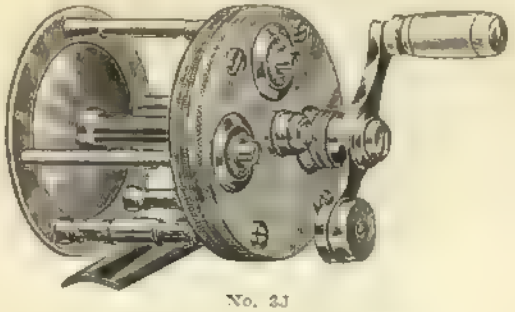
Plain Bearings.

Nos.	03	04
Capacity, Yards	80	100
Each	$15.00	18.00

Jeweled Bearings.

Nos.	03J	04J
Capacity, Yards	80	100
Each	$20.00	23.00

"MEEK," KENTUCKY.



No. 3J

Most Perfect Reel Made.

Finest German Silver, Spiral Gears, Anti-Friction Bearings, Tempered Tool Steel Pivots and Stud, Screw-off Oil Caps, Ivory Balance Forward Handle, Click and Drag. **Plain Bearings.**

Nos.	2	3	4
Capacity, Yards	80	100	140
Diameter, Inches	1¾	2	2¼
Length of Spool, Inches	1⅜	1½	1⅝
Diameter Spool Head, In.	1¼	1½	1⅝
Each	$26.00	26.00	28.00

Jeweled Bearings.

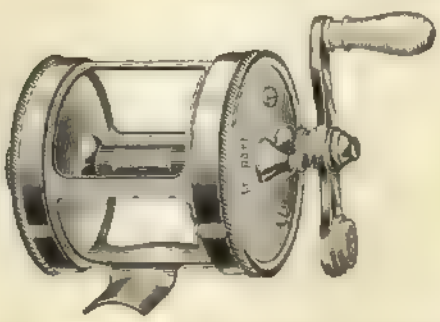
Nos.	2J	3J	4J
Capacity, Yards	80	100	140
Diameter, Inches	1¾	2	2¼
Length of Spool, Inches	1⅜	1½	1⅝
Diameter Spool Head, In.	1¼	1½	1⅝
Each	$32.00	32.00	34.00

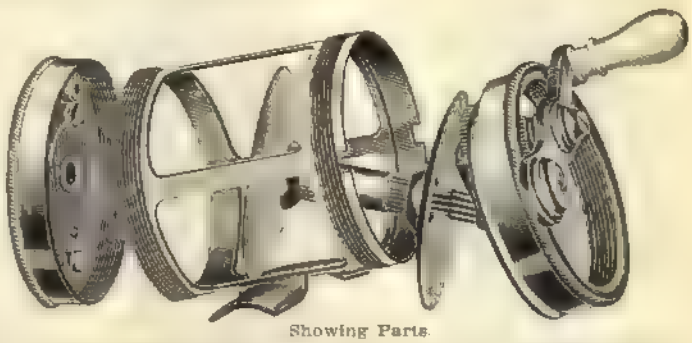
NOTE—Handles at Top or Bottom on Nos. 2, 3 and 4, Add $2.00 to List.

One in a Box.

Fishing Reels.

TRI-PART CASTING, QUADRUPLE MULTIPLYING.





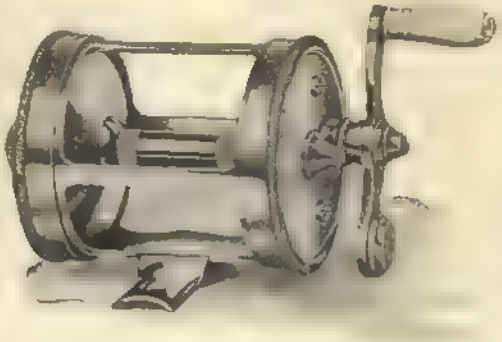
Showing Parts.

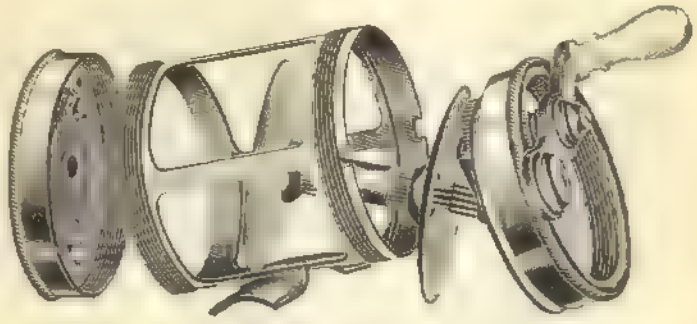
Nickel Plated Brass, Satin Finish Heads, Steel Axle, Bronze Bearings, Steel Spring and Brass Ratchet Wheel, White Celluloid Balance Handle, Spool $1\frac{3}{8}$ in. Wide, $1\frac{3}{4}$ in. Diameter, Adjustable Click.

	Each
No. 35—Capacity 80 Yards, Diameter of Disk 2 in.	$3.00

Tubular Frame and Reel Seat, drawn from one piece plate brass without Solder Joint or Rivet, German Silver Spool, Detachable Knurled Head Rings. To take apart unscrew the Knurled Head Ring at either end, preferably on the Click Side

TAKE-APART, CASTING QUADRUPLE MULTIPLYING.





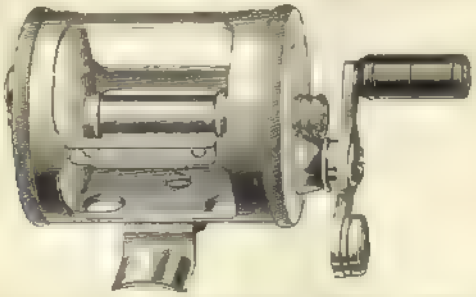
Showing Parts.

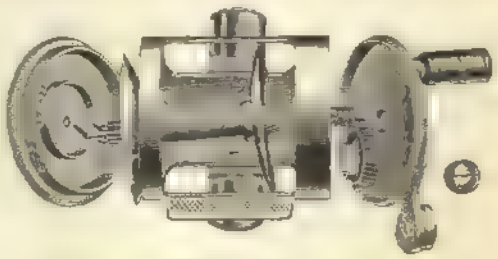
Brass Tubular Frame, Nickel Plated, Satin Finish Heads, Steel Pivots, Bronze Adjustable Bearings, Steel Cut Pinion Gear, White Ivory Balance Handle, German Silver Spool $1\frac{3}{8}$ in. Wide, $1\frac{3}{4}$ in. Diameter. Adjustable Click.

	Each
No. 25—Capacity 100 Yards, Diameter of Disk 2 in.	$4.00
No. 45—Capacity 100 Yards, Diameter of Disk 2 in., **Free Spool**	6.00

The entire frame of these Reels is made from a solid piece of tubing with no screws or rivets to work loose. To take apart, unscrew the Knurled Head Ring at either end preferably on the click side.

TAKE-APART, CASTING, IMPROVED "BLUE GRASS SIMPLEX," QUADRUPLE MULTIPLYING.





Showing Parts

Brass and German Silver, Beautifully Nickel Plated, Diameter of Spool 1 in., Length of Spool $1\frac{3}{8}$ in., Outside of Frame $1\frac{1}{4}$ in., Capacity 80 Yards of Nos. 1 or 1, Braided Silk Line, Scrolled Aluminum Thumb Rest, Sliding Click Drag.

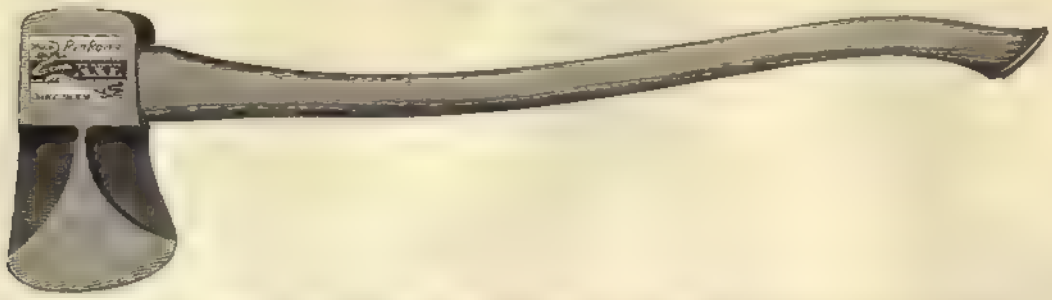
	Each
No. 33—Capacity 80 Yards.	$7.50

The Frame is made from one piece of seamless tubing, no pillars to become loose or twist. The Spool is made with solid brass arbor and German silver spool heads. The Pinion is made from Stubs' steel rod and runs entirely through the spool, and thus forms both pivots. Turned in watch lathe upon its own pivots, the spool is accurately balanced and runs perfectly true. The Gear is cut from one solid piece of hard drawn brass rod. The Bearings are made of Stubs' steel, ground and polished. The Pinion is made of Stubs' steel and is cut on the solid rod running through spool, making the pivots and pinion one solid piece. The Click-Drag is located in the back end, made of finest of oil tempered steel

One in a Box.

Men's Handled Axes.

RED ROVER.



Red Rover—Extra Quality Steel, Blue Bevel, Red Finish, Michigan Pattern Only, Handled with **Walnut Stained Hickory Handle.**

	Per Dozen
Group No. 2—Consisting of 3½ to 4 Lbs., 3½ to 4½ Lbs.	$13.00

FALLS CITY.

Falls City—Extra Quality Diamond Steel, Blue Bevel, Red Finish, Yankee and Michigan Pattern. **Handled with 36 in. Extra Turned Hickory Handles.**

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3⅝ Lbs.	$13 50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	14 00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	14 50

CREAM CITY.

Cream City—Cast Steel, Gold Bronzed, Yankee and Michigan Pattern. **Handled with 36 in. Extra Turned Hickory Handles.**

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$12 50
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.	13.00
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.	13.50

NOTE—Combinations of any other styles of Axes and Handles, either Single or Double Bit, not mentioned, will be furnished to order

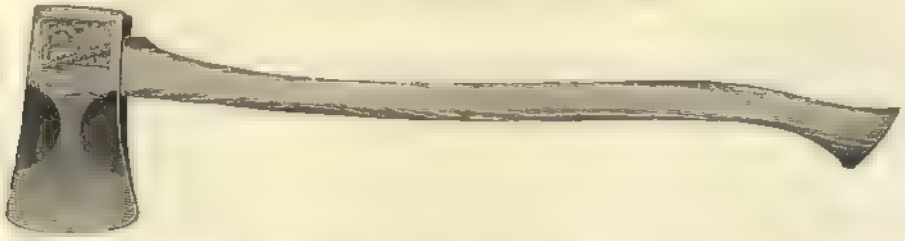
One Dozen in a Crate.

Boys' Handled Axes.

Per Dozen

EVERKEEN —Extra Quality Cast Steel, Gun Metal Finish, Handled with 28 in. Extra Turned Hickory Handles, Weight Per Dozen 45 Lbs. $12 00

LIPPINCOTT'S PHANTOM BEVEL.



Per Dozen

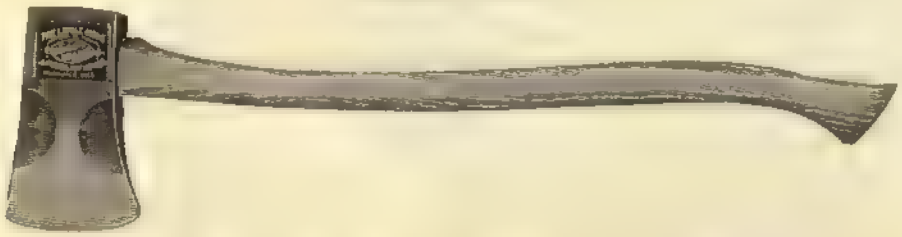
Lippincott's Phantom Bevel –Extra Quality Cast Steel, Full Polished, Handled with 28 in. Extra Turned Hickory Handles, Weight Per Dozen 45 Lbs. $12 00

CLIPPER.

Per Dozen

Clipper—Extra Quality Diamond Steel, Gold Bronzed, Polished Head, Handled with 28 in. Extra Turned Hickory Handles, Weight Per Dozen 50 Lbs. $10.00

LITTLE GIANT.



Per Dozen

Little Giant—Extra Quality Cast Steel, Blue Bevel, Red Finish, Polished Head, Handled with 28 in. Extra Turned Hickory Handles, Weight Per Dozen 50 Lbs. $10.00

One Dozen in a Box

Single Barrel Autoloading Shot Guns.

REMINGTON AUTO-LOADING.

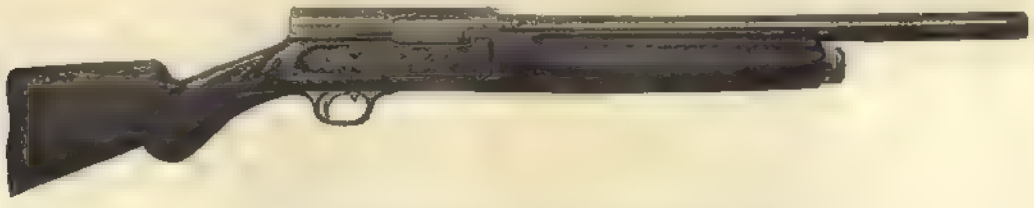
Browning Design.

Tournament Grade, Hammerless, Take Down.

Stock 14⅜ in. Long by 2½ in. at Heel and 1⅞ in. at Comb.

Solid Breech, Fine English Walnut Stock, Checkered Pistol Grip and Fore-End, Matted Receiver, Rubber Butt Plate Full Choke Bored, Automatic Ejector, Extra Scroll Engraving, Fine Checkering, 5 Shots

No. 4 —12 Gauge, 28 in. Blued Steel Barrel, Weight About 7¾ Lbs. $70 00
No. 4R—12 Gauge, Same Description as Above, but with Solid Matted Rib Barrel . . 77 00



Expert Grade, Hammerless, Take Down.

Stock 14⅜ in. Long by 2½ in. at Heel and 1⅞ in. at Comb.

Solid Breech Best English Walnut Stock, Checkered Pistol Grip and Fore-End, Matted Receiver, Rubber Butt Plate Full Choke Bored, Automatic Ejector Fine Scroll and Game Engraving, Extra Checkering Silver Name Plate, 5 Shots.

Each
No. 5 —12 Gauge, 28 in. Blued Steel Barrel, Weight About 7¾ Lbs. $100.00
No. 5R 12 Gauge, Same Description as Above, but with Solid Matted Rib Barrel . . 107 00

Riot Gun, Hammerless, Take Down.

Stock 14⅜ in. Long by 2½ in. at Heel and 1⅞ in. at Comb.

Solid Breech, Walnut Stock, Plain Pistol Grip, Matted Receiver, Rubber Butt Plate, Cylinder Bored, Automatic Ejector, 5 Shots

No. R0—12 Gauge, 20 in. Blued Steel Barrel, Weight About 7½ Lbs. $40 00

Single Barrel Repeating Shot Guns.

REMINGTON, MODEL 10.

Standard Grade, Take Down, Hammerless.

Stock 13¾ in. Long by 2¾ in. at Heel and 1⅝ in. at Comb.

Pump Action, Walnut Pistol Grip Stock and Fore Arm. Barrel **Full Choke** or **Modified Choke** Bored, Rubber Butt Plate, Matted Receiver, Chambered for 2¾ in. Shells, Holds 6 Shots.

	Each
No. 75—12 Gauge, 30 and 32 in. Remington Fluid Steel Barrel, Blued Finish, Weight About 7½ Lbs	$27.00

Standard Grade, Take Down, Hammerless, Solid Matted Rib.

Stock 13¾ in. Long by 2¾ in. at Heel and 1⅝ in. at Comb.

Pump Action, Walnut Pistol Grip Stock and Fore Arm, Barrel **Full Choke** or **Modified Choke** Bored Rubber Butt Plate, **Raised Solid Matted Rib**, Chambered for 2¾ in. Shells, Holds 6 Shots.

	Each
No. 75R—12 Gauge, 30 and 32 in Remington Fluid Steel Barrel, Weight About 7½ Lbs	$33.00

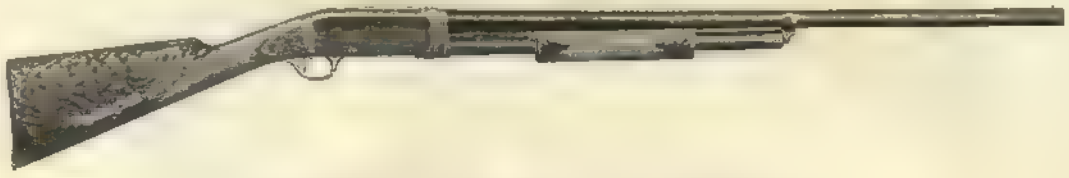
Full Choke Barrel will always be sent unless otherwise ordered.

Field Grade, Take Down, Hammerless.

Stock 13¾ in. Long by 2¾ in. at Heel and 1⅝ in. at Comb.

Pump Action, Walnut Pistol Grip Stock and Fore Arm Barrel Cylinder Bored, Rubber Butt Plate, Matted Receiver, Chambered for 2¾ in. Shells, Holds 6 Shots

	Each
No. 76—12 Gauge 26 in Remington Fluid Steel Barrel, Blued Finish, Weight About 7¼ Lbs .	$27.00



Trap Special Grade, Take Down, Hammerless.

Stock 14 in. Long by 2 in. at Heel and 1½ in. at Comb.

Pump Action, Selected American Walnut Straight Grip Stock with Full Comb, Finely Checkered Stock and Fore Arm Rubber Butt Plate, Matted Barrel, Chambered for 2¾ in Shells, Holds 6 Shots

	Each
No. 77 12 Gauge, 30 in. Remington Fluid Steel Barrel, Blued Finish, Weight About 7¼ Lbs	$45.00

Single Barrel Autoloading Shot Guns.

REMINGTON AUTOLOADING, MODEL 11.

BROWNING DESIGN.

Standard Grade, Hammerless, Take Down.

Stock 14 in. Long, 2½ in. Drop at Heel and 1⅝ in. Drop at Comb.
Solid Breech, Walnut Stock, Plain Pistol Grip, Matted Receiver, Rubber Butt Plate, Automatic Ejector 5 Shots.

		Each
No. 1	12 Gauge, 28 in. Blued Steel Barrel, **Full Choke** or **Modified Choke Bored**, Weight About 7¾ Lbs.	$40.00

Full Choke Barrel will always be sent unless otherwise ordered.

No. 12—12 Gauge, Same Description as Above, but **with Two Barrels**, One 28 in. Full Choke and One 26 in. Cylinder Bored 55.00

Standard Grade, Hammerless, Take Down, Solid Matted Rib.

Stock 14 in. Long by 2½ in. at Heel and 1⅝ in. at Comb.

Solid Breech, Walnut Stock, Plain Pistol Grip, Matted Receiver, Rubber Butt Plate, Raised Solid **Matted Rib, Automatic Ejector, 5 Shots.**

		Each
No. 1R	—12 Gauge, 28 in. Blued Steel Barrel **Full Choke** or **Modified Choke** Bored, Weight About 7¾ Lbs.	$47.00

Full Choke Barrel will always be sent unless otherwise ordered.

No. 12R—12 Gauge, Same Description as Above, but **with Two Barrels**, One 28 in. Full Choke and One 26 in. Cylinder Bored 67.00

Trap Grade, Hammerless, Take Down.

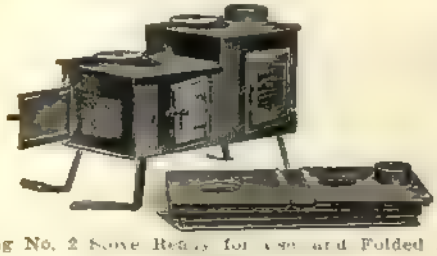
Stock 14¼ in. Long, 2¼ in. Drop at Heel, 1½ in. Drop at Comb.

Solid Breech, Imported Walnut Straight Grip Stock and Fore Arm, Neatly Checkered, Matted Receiver Rubber Butt Plate, Automatic Ejector, 5 Shots.

		Each
No. 3	12 Gauge, 28 in. Blued Steel Barrel Full Choke Bored, Weight About 7¾ Lbs.	$50.00
No. 3R—12 Gauge, Same Description as Above, but **with Solid Matted Rib**		57.00

Camp Stoves.

THE SPORTSMAN'S LITTLE PET.



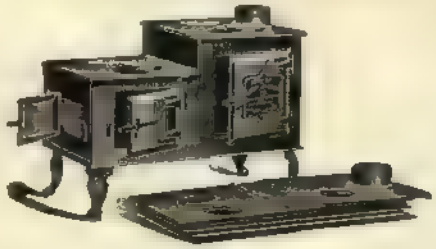
Cut Showing No. 2 Stove Ready for Use and Folded Ready for Traveling.

Each

No. 2—Folding, Made of No. 20 Sheet Steel, Length 23 in., Height 12 in., Width 12 in., Entire Height of Stove 17 in. when in Use, Pipe Hole 5 in., Cooking Holes 5 in., Size of Oven 8x8 in Square, Depth 12 in., Weight Each 25 Lbs. $10.00

No. 20—Not Folding, Otherwise Same as No. 2 8.00

THE SPORTSMAN'S FRIEND.



Cut Showing No. 1 Stove Ready for Use and Folded Ready for Traveling

Each

No. 1—Folding, Made of No. 20 Sheet Steel, Length 29 in., Width 17 in., Height 16 in., Back Legs are 7 in. Long, Entire Height of Stove 23 in. when in Use, Pipe Hole 5 in., Cooking Holes 5 in., Size of Oven, Width 10 in., Height 11 in., Depth 17 in., Weight Each 38 Lbs. $12.50

No. 10—Not Folding, Otherwise Same as No. 1. 10.00

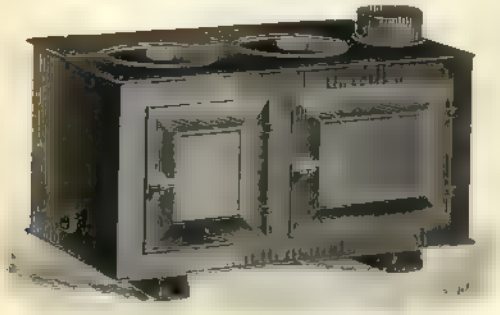
Damper The Damper Attachment regulates the heat by three movements. By pulling the Damper out as far as it will come will cause the heat to come around over the top of the Oven, so you can cook and fry on the four holes. By pushing the Damper in half way it will give uniform heat at the top and bottom of the oven. By pushing the Damper as far as it will go it will cause the entire heat to go around the bottom and rear of Oven, which will heat the Oven for baking or roasting.

For Prospectors, Miners, Woodsmen, Sportsmen, Jockeys, Circuses, Picnic Parties, Private Families, Summer Kitchens, Tents and for all kinds of other uses these Stoves are just what you want.

Shipped Only from Factory, F. O. B. CHICAGO.

Camp Stoves.

"JUNIOR."



Each

No. 30—Made of 24 Gauge Sheet Steel, Length 24 in., Width 11½ in., Height 14 in., 2 Cooking Holes, 5 in. Pipe Hole, Complete with 3 Joints of 5 in. Pipe . 82 75

No camping outfit complete without this stove. Filling the wants for a low priced Camp Stove, which has proven satisfactory results. Is splendid heater and bakes perfectly.

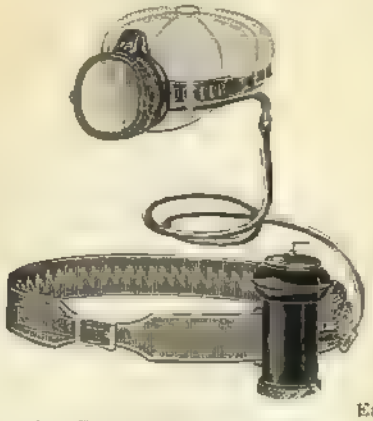
Sambo Head Lamp.

Per Dozen

No. 5—For Coal Oil, Complete ... $9.00

This Lamp is especially adapted for the use of hunters and fishermen. The hood reflector, with mirror back, throws a very strong light that penetrates to a great distance, making the Sambo Head Lamp invaluable for coon and deer hunting and for night fishing and spearing. Uses a regular coal oil lamp burner with flat wick.

Jack Lamp and Generator.



Each

No. 1—Columbia, Gun Metal Finish Headlight, Powerful Parabolic Reflector, 2¾ in. Diameter Face, Weight 6 Oz., Gun Metal Brass Generator, 5½ in Long, 2 in. Diameter, Weight 16 Oz., Carbide Capacity Enough to Run Lamp 5½ Hours, Complete with Strap and Tubing, without Belt..... $6.00

The Headlight straps to the Front of Hat and is connected to the Generator by Rubber Tubing. Generator attaches to Cartridge Belt. Invaluable to Hunters, Fishermen, Miners and Sportsmen

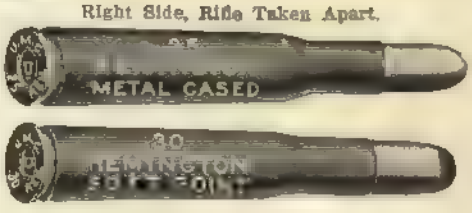
Autoloading Rifles.

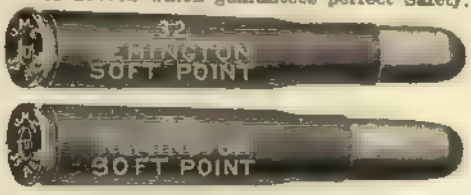
REMINGTON AUTOLOADING.

Left Side

Right Side, Rifle Taken Apart.

The Solid Breech which guarantees perfect Safety.





Take Down.

Box Magazine, Solid Breech, Straight Grip, Plain Walnut Stock, Shot Gun Butt, Rubber Butt Plate, Blued Finish

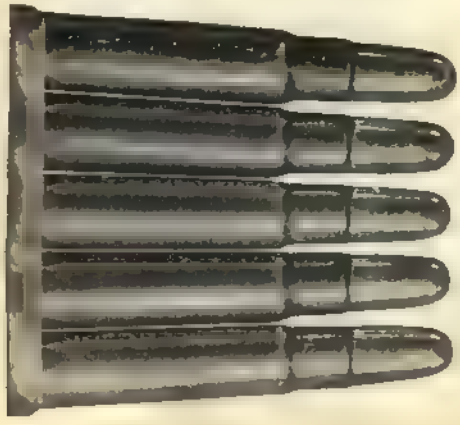
		Each
No. 625—	25 Caliber Remington Autoloading 22 in Round Barrel, 5 Shots, Weight About 7¾ Lbs	$30 00
No. 630—	30-30 Caliber Remington Autoloading 22 in Round Barrel, 5 Shots, Weight About 7¾ Lbs	30 00
No. 632	32 Caliber Remington Autoloading, 22 in Round Barrel, 5 Shots, Weight About 7¾ Lbs	30 00
No. 635—	35 Caliber Remington Autoloading 22 in Round Barrel, 5 Shots, Weight About 7¾ Lbs	30 00

Note—Made with 22 in. Barrel Only.

This Rifle has a Box Magazine and is loaded with a Clip the same as Modern Military Arms. The Magazine can also be loaded without Clip, and, unlike other automatically loaded Rifles the Magazine does not have a strong spring thereby making it easy and quick to load either with or without Clip. The empty shells are ejected from top of receiver by a spring throwing them out softly and surely. **After the last Cartridge has been fired the Bolt remains open ready to receive another Clip.**

The Breech is Locked by a Turning Bolt which Locks close up against the Head of the Cartridge and remains Locked until the Recoil is Spent. The Breech is then automatically unlocked the Empty Shell is Ejected and the Gun Reloaded as in the latest designs of Military Rifles. **This reduces the Liability of Breaking Shells** when firing to a minimum and gives great strength and security. Furthermore, this **Locked Breech allows the use of High Power Cartridges with perfect safety,** and this advantage over the other **automatically loaded Rifles in which the Breech Block is not Locked at all,** is at once apparent.

One of the most attractive features of this Rifle is that it is so designed that the **Magazine can be charged by use of a Cartridge Clip.** Each Clip holds five Cartridges and as many as desired can be carried in the pocket, practically occupying no more space than the ammunition itself.



Cartridges in Clip. (Cuts Full Size.)

Clip

CLIPS.

	Each
Extra Clips	$0.10

The Clip is filled by inserting each cartridge separately in either end of clip, at the same time pressing spring to allow flange on sides of clip to intersect the groove in head of Cartridge. The Cartridges are slid into the clip until full. Three clips are supplied with each Rifle without charge.

Repeating Rifles.

STANDARD HIGH POWER, HAND OPERATED.

Model M.

Take Down, Hammerless.

Solid Breech Locking Mechanism, Straight Grip, Fine Circassian Walnut Stock, Shot Gun Butt, Oxidized Bronze Metal Butt Plate and Action Slide, Shoots Remington Rimless High Power Smokeless Cartridges.

	Each
No. 650—30-30 Caliber Autoloading Cartridge, 25 in. Round Tapered Ordnance Steel Barrel, 6 Shots, Weight About 7 Lbs.	$30.00
No. 655—35 Caliber Autoloading Cartridge, 22⅜ in. Round Tapered Ordnance Steel Barrel, 6 Shots, Weight About 7 Lbs.	30.00

The solid breech locking mechanism conserves all the energy of the explosion to impart the greatest possible velocity to the projectile, and the barrel, being rigid with the frame and receiver, insures accuracy at extreme ranges.

The magazine holds five cartridges which with an additional cartridge in the chamber, places six shots at disposal of the sportsman. All cartridges may be removed from the magazine instantly

The 'Standard' is the only trombone or slide-action Hand-Operated Rifle on the market using high power ammunition. It is stronger than Rifles operated by the lever action, more simple in construction, easier to operate, and is superior in every other respect. The difference is specially marked in rapid firing, for the aim is not disturbed in reloading as with one operated with a lever, and less time is required between aimed shots.

STANDARD HIGH POWER, GAS OPERATED, AUTOMATIC.

Model G.

Take Down, Hammerless.

Solid Breech Locking Mechanism, Straight Grip, Fine Circassian Walnut Stock, Shot Gun Butt, Oxidized Bronze Metal Butt Plate and Action Slide, Shoots Remington Rimless High Power Smokeless Cartridges.

	Each
No. 660—30-30 Caliber Autoloading Cartridge, 22⅜ in. Round Tapered Ordnance Steel Barrel, 6 Shots, Weight 7¾ Lbs.	$37.50
No. 665—35 Caliber Autoloading Cartridge, 22 in. Round Tapered Ordnance Steel Barrel, 6 Shots, Weight 7¾ Lbs.	37.50

This Rifle is operated by gas pressure, in the following manner: the bullet, moving through the barrel, driven by power of the powder gas, passes over a small port near the muzzle. This port admits a gas pressure which acts directly upon a piston, causing a rearward motion which is transmitted through connecting rods to the bolt cams. This rearward motion unlocks the bolt, withdraws and ejects the empty shell and compresses the action spring. The bullet passing out of the muzzle instantly relieves the gas pressure on the piston and permits the action of the spring to immediately impart a forward motion to the bolt, placing the next cartridge in the chamber, and locking and cocking the rifle. The operator has only to maintain his aim and press the trigger until the magazine is empty.

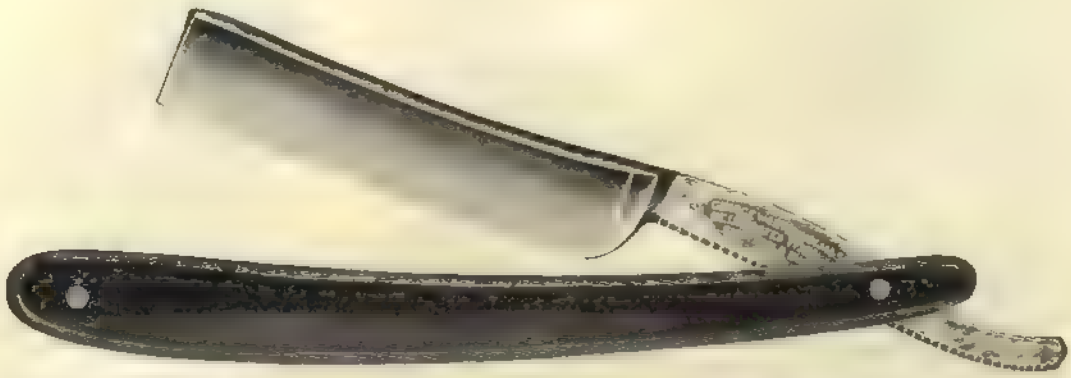
The action is so positive and so nearly instantaneous, that it is impossible to press the trigger a second time before the reloading is accomplished and the breech-bolt is locked.

With this rifle, six shots may be fired as rapidly or as slowly as the operator pulls the trigger, without removing the rifle from the shoulder and with very little recoil to disturb the aim. The action will readily respond to six shots per second, the six empty shells being in the air at the same time in rapid fire.

The 'Take Down' feature is the most simple of any rifle and is absolutely secure. The rifle is taken down by inserting the plug end of the tool, which is supplied with rifle, into the hole behind the guard. By a slight pressure the "take-down" lock is released, and the frame and receiver may be instantly parted. In reassembling, the parts are merely pressed together. By closing the port in the barrel, this model may be used as a Hand Operated rifle.

Razors.

Cuts Full Size



Per Dozen

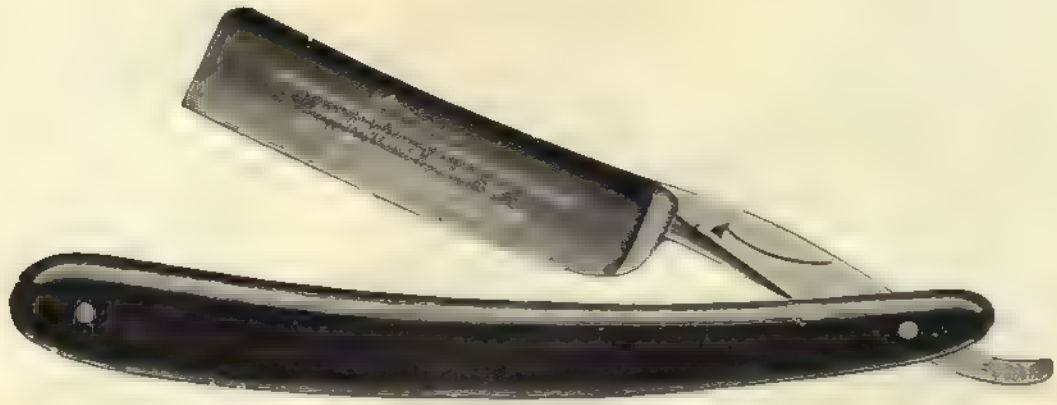
No. 01846—Wostenholm's, ⅞ in. Blade, Full Hollow Ground, Square Point, Full Crocus Finish, Polished File Pearl Tang, Black Rubber Handle $40.00

One-half Dozen in a Box

Per Dozen

No. 01163—Wostenholm's, ⅞ in. Blade, Full Hollow Ground, Square Point, Black Rubber Handle.. $18.00

One-half Dozen in a Box



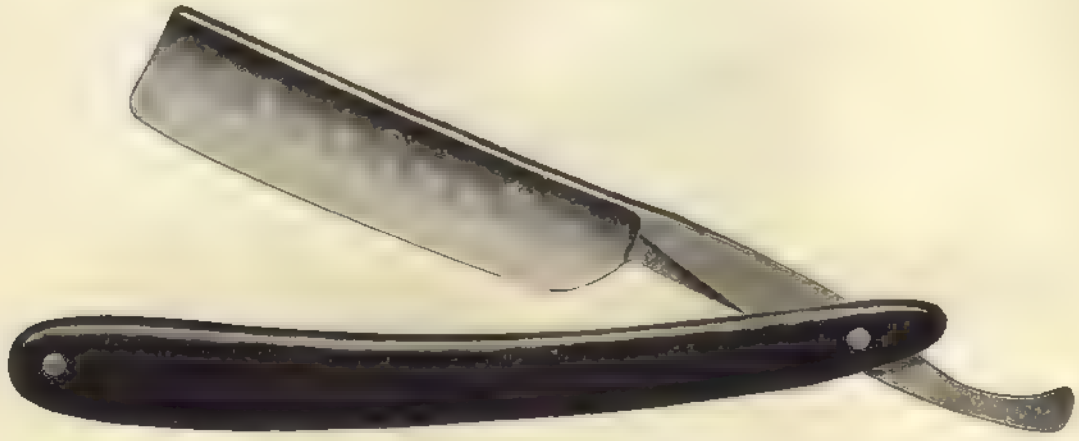
Per Dozen

No. 02363—Wostenholm's Genuine Pipe, ⅞ in. Blade, Hollow Ground, Square Point, Finely Finished, Black Rubber Handle $17.00

One-half Dozen in a Box

Razors.

Cuts Full Size



Per Dozen

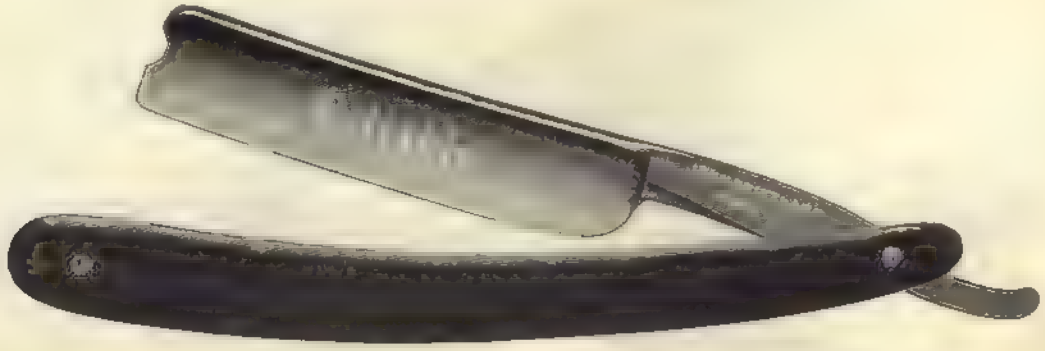
No. 226—Our Own, ⅞ in Blade, Hollow Ground, Square Point, Finely Finished, File Tang, Black Rubber Handle $18.00

One-half Dozen in a Box

Per Dozen

No. 375—"Army and Navy," ⅞ in. Blade, ¾ Hollow Ground, Round Point, Finely Finished, Black Rubber Handle $16.00

One-half Dozen in a Box



Per Dozen

No. 610—"Reliable," ⅞ in Blade Hollow Ground, Hollow Point, Black Rubber Handle . . $12 00

One-half Dozen in a Box.

Railroad Spikes.

STANDARD.

Wrought.

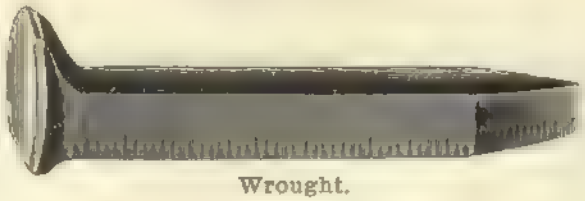
	Per 100 Pounds
⅝ in. Square, Length 5½ in.	$

SMALL.

	Add to Base
½ in., Square, Length 4, 4½ and 5 in.	$0.10
7/16 in., Square, Length 3½ in.	20
⅜ in., Square Length 3 in.	30
5/16 in., Square, Length 2½ in.	40

Two Hundred Pounds in a Keg.

REVERSE POINT.



Wrought.

	Add to Base
⅜ in., Square, Length 3 in.	$0.55

Two Hundred Pounds in a Keg.

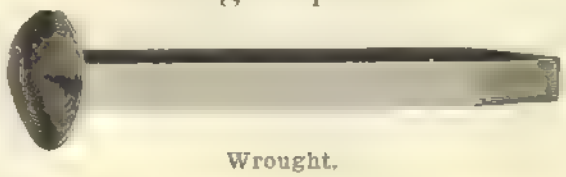
Street Railway Spikes.

Wrought.

	Add to Base
½ in., Square, Length 4½ in.	$0 20

Two Hundred Pounds in a Keg.

Barge Spikes.

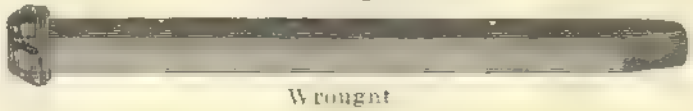


Wrought.

	Add to Base
⅝ in., Square, Length 3½ in.	$0.70

Two Hundred Pounds in a Keg.

Boat Spikes.



Wrought.

	Add to Base
½ in., Square, Lengths 4, 5, 6 and 7 in.	$0.75
7/16 in., Square, Lengths 4½, 5, 5½ and 6 in.	.45
⅜ in., Square, Lengths 5, 6, 7, 8, 9 and 10 in.	30
5/16 in., Square, Lengths 8 and 9 in.	20
¼ in., Square, Lengths 7, 8, 9, 10 and 12 in.	15

Two Hundred Pounds in a Keg.

Corn Planters.

TRIUMPH.

Without Pumpkin Seed Attachment.

Per Dozen

No. 8—Wood Frame and Handles, Steel Box, Japanned $10.40

Weight Per Dozen 55 Pounds.

With Pumpkin Seed Attachment.

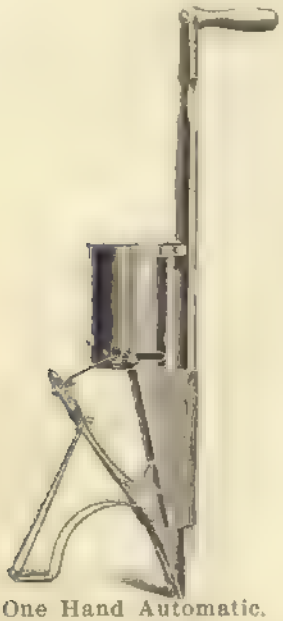
Per Dozen

No. 9—Wood Frame and Handles, Steel Box, Japanned $15.00

Weight Per Dozen 65 Pounds

One Dozen in a Crate

AMERICAN STANDARD.



One Hand Automatic.

Per Dozen

No. 3—One Hand Automatic, Adjustable Seed Disc, Steel Hopper, Painted in Brilliant Colors $30.00

Weight Per Dozen 80 Pounds.

Two Hand Automatic.

Per Dozen

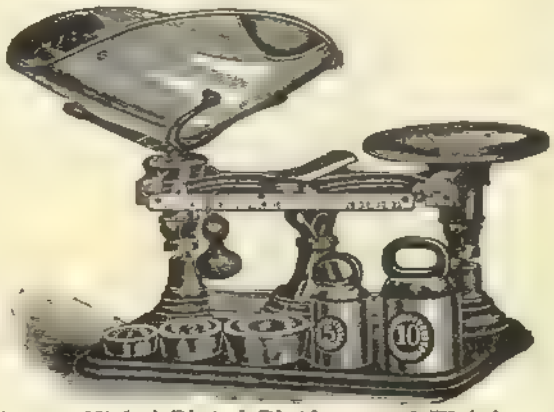
No. 13—Two Hand Automatic, Adjustable Seed Disc, Steel Hopper, Painted in Brilliant Colors $28 00

One-half Dozen in a Crate.

Scales.

TROEMNER, AGATE BEARING.

GROCERS'.



Gold Bronzed Frame, Nickel Plated Platform and Weights, Agate Bearings

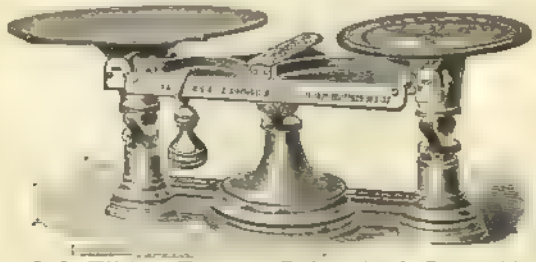
	Each
No. 154B—Nickel Plated Brass Scoop, with Side Beam, Weighs 2 Lbs. by $\frac{1}{4}$ Oz	$22 00
No. 153B—Nickel Plated Brass Scoop, with Side Beam, Weighs 6 Lbs. by $\frac{1}{4}$ Oz.	33 00
No. 152B—Nickel Plated Brass Scoop, with Side Beam, Weighs 15 Lbs. by $\frac{1}{4}$ Oz.	39 00
No. 151B—Nickel Plated Brass Scoop, with Side Beam, Weighs 26 Lbs. by $\frac{1}{4}$ Oz.	53 00

GROCERS'.

Gold Bronzed Frame, Nickel Plated Platform and Weights, Agate Bearings.

	Each
No. 141B—13 in. Nickel Plated Brass Pan, with Side Beam, Weighs 26 Lbs. by ¼ Oz.	$53.00

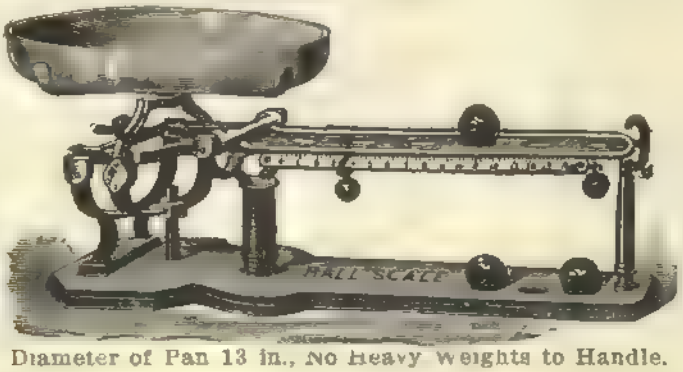
BUTTER.



Enameled White Frame, Galvanized Iron Weights, Agate Bearings, With Side Beam, One Iron and One Porcelain Plate.

	Each
No. 133B—Weighs 6 Lbs. by ¼ Oz	$22 00
No. 132B—Weighs 15 Lbs. by ¼ Oz	25 00
No. 131B—Weighs 26 Lbs. by ¼ Oz	37 00

GROCERS' BALL.



Diameter of Pan 13 in., No Heavy Weights to Handle.

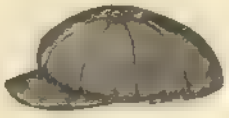
	Each
No. 251—Brass Pan, Weighs 52 Lbs. by ¼ Oz.	$40 00
No. 251B—Brass Pan, with Agate Bearings, Weighs 52 Lbs. by ¼ Oz	50.00
No. 25—Brass Scoop, Weighs 52 Lbs. by ¼ Oz.	40 00
No. 25B—Brass Scoop, with Agate Bearings, Weighs 52 Lbs. by ¼ Oz.	50 00

One in a Box.

Base Ball Clothing.

CAPS.

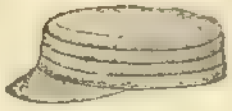
Brooklyn Style.



Boston Style.

University Style

Philadelphia Style.

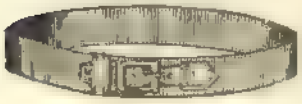


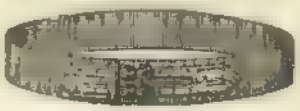
New York Style.

Chicago Style.

		Each
No. 0	Cap, Any Style, Colors, Same as American League Uniform	$1.47
No. 1	Cap, Any Style, Colors, Same as League Uniform	1.34
No. 2	Cap, Any Style, Colors, Same as University Uniform	1.33
No. 3	Cap, Any Style, Colors, Same as Professional Uniform	1.20
No. 4	Cap, Any Style, Colors, Same as Special Leader Uniform	1.20
No. 5	Cap, Any Style, Colors, Same as College Uniform	.94
No. 6	Cap, Any Style, Colors, Same as City League Uniform	$0.93
No. 7	Cap, Any Style, Colors, Same as Amateur Uniform	.93
No. 8	Cap, New York, Chicago, Boston and University Style Only, Colors, Same as High School Uniform	.62
No. 9	Cap, New York, Chicago, Boston and University Styles Only, Colors, Same as Junior Uniform	.53
No. 10	Cap, New York, Chicago, Boston and University Styles Only, Colors, Same as Youth's Special Uniform	.46
No. 12	Cap, Boston Style Only, Colors, Same as Boys' Uniform	.33

BELTS.





		Each
No. 627	Worsted Web 2½ in Wide, Leather Lined, Nickel Plated Buckle	$1.07
No. 620	Cotton Web, 2½ in. Wide, Leather Lined, Nickel Plated Buckle	.80

Colors: Red, Royal Blue, Black, White, Navy Blue and Maroon.

		Each
No. 625	Regulation, Worsted Web 2½ in Wide, Double Strap with Leather Covered Buckles	$0.40

Colors: Red, Royal Blue, Black, White, Navy Blue and Maroon.

		Each
No. 623	Amateur, Cotton Web, 2 in Wide, Single Strap, Tinned Buckle	$0.35
No. 610	Professional, Worsted Web, 2½ in Wide, Nickel Plated Buckle	.40

Colors: Red, Royal Blue, Black, White, Navy Blue and Maroon

		Each
No. 624	Cotton Web, 2½ in. Wide, Double Strap, with Nickel Plated Buckles	$0 35

Colors: Red, Royal Blue, Black, White, Navy Blue and Maroon.

No. 630	Heavy Solid Leather, 1½ in. Wide, Russet or Black, Nickel Plated Buckles	$1.07

These Goods are Made to Order and are Shipped from Factory, F. O. B. Chicago.

Base Ball Clothing.

COATS.

Double Breasted Coat.

Norfolk Jacket.

Single Breasted Coat.

	Each
No. 1—Double Breasted or Norfolk Jacket, Made of Same Material and Colors as Our No. 1 Base Ball Uniform	$13 35
No. 2—Double Breasted or Norfolk Jacket, Made of Same Material and Color as Our No. 2 Base Ball Uniform	12.70
No. 3—Single Breasted, Made of Same Material and Colors as Our No. 3 Base Ball Uniform	$10.67
No. 5—Single Breasted, Made of Same Material and Colors as Our No. 5 Base Ball Uniform	8.34

These Coats are made of Base Ball Flannels trimmed with different colors on Collars, Cuffs and Pockets. Large pearl buttons on front, double stitched and taped seams. Made up unlined or skeleton style. Monogram or Letter on top pocket.

In Ordering, Mention Color and Trimming Wanted.

Athletic Stockings.

Fancy Band Stripe.

With 4 in. Fancy Stripe on Calf.

	Per Pair
No. 668S—Extra Heavy Weight Worsted, Any Combination of Colors	$2 00
No. 667S—Heavy Weight Worsted, Any Combination of Colors	1.87
No. 666S—Regular Weight Worsted, Any Combination of Colors	1 87
No. 664S—Regular Weight Wool, Any Combination of Colors	1.20
No. 659S—Heavy Weight Cotton, in the Following Combination of Colors Only: Scarlet with Navy Stripe, Navy with White Stripe, White with Crimson Stripe, Crimson with White Stripe, Scarlet with White Stripe, Black with Orange Stripe, Black with White Stripe	.73

Plain Colors.

	Per Pair
No. 668—Extra Heavy Weight Worsted, Any Color	$2.00
No. 667—Heavy Weight Worsted, Any Color	1.87
No. 666—Regular Weight Worsted, Any Color	1 87
No. 664—Regular Weight Wool Any Color	1.20
No. 659—Heavy Weight Cotton, Colors, Black, Navy, Maroon, Royal Blue, Scarlet and White	.73
No. 657—Regular Weight Cotton, Colors, Black, Navy, White and Maroon	.40

Fancy Stripe.

	Per Pair
No. 668A—Extra Heavy Weight Worsted, Any Combination of Colors	$2.25
No. 667A—Heavy Weight Worsted, Any Combination of Colors	2.00
No. 666A—Regular Weight Worsted, Any Combination of Colors	2.00
No. 664A—Regular Weight Wool, Any Combination of Colors	1.50

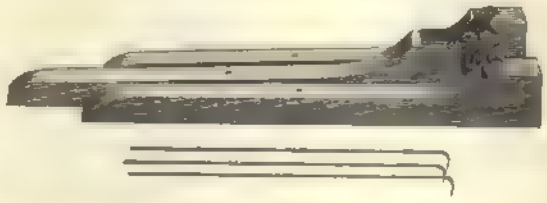
In Ordering, Mention Colors and Sizes Wanted.

All Stockings Made with White Feet.

Footless Stockings Same Price as Above.

These Goods are Made to Order and are Shipped from Factory, F. O. B. Chicago.

Christmas Tree Holders.



Hardwood Legs, Green Finish, Detachable Steel Braces

Per Dozen

No. 25—Folding $3.60

One Dozen in a Pasteboard Box

BRIGHTON.

Cast Iron, Japanned, Ornamented with Gold.

Per Dozen

No. 50—For Trees from 1 to 4 in. in Diameter, with Three Set Screws and Centering Device, which Holds the Tree Secure and Perpendicular $10 00

Weight Per Dozen 50 Pounds.

This Holder is made Solid so that Water can be placed in it, which keeps the Tree fresh and green for quite a long time.

One Dozen in a Box.

CROWN.

Cast Iron, Japanned.

Per Dozen

No. 2—For Trees up to 2 in Diameter, Weight Per Dozen 38 Lbs. ..... $ 9.70

No. 3—For Trees up to 3 in. Diameter, Weight Per Dozen 70 Lbs. 13.00

One Dozen in a Box.

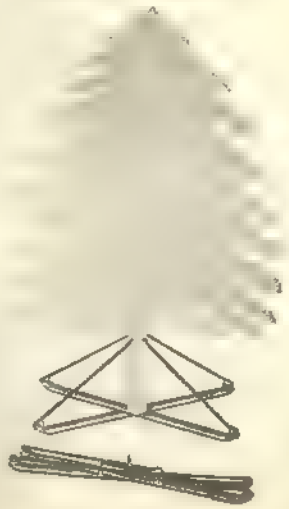
LITTLE GEM.

Per Dozen

No. 75—Little Gem, Folding, All Steel, Green Enameled, Adjustable to Every Size. . $7.00

One-half Dozen in a Box.

LITTLE JEWEL.

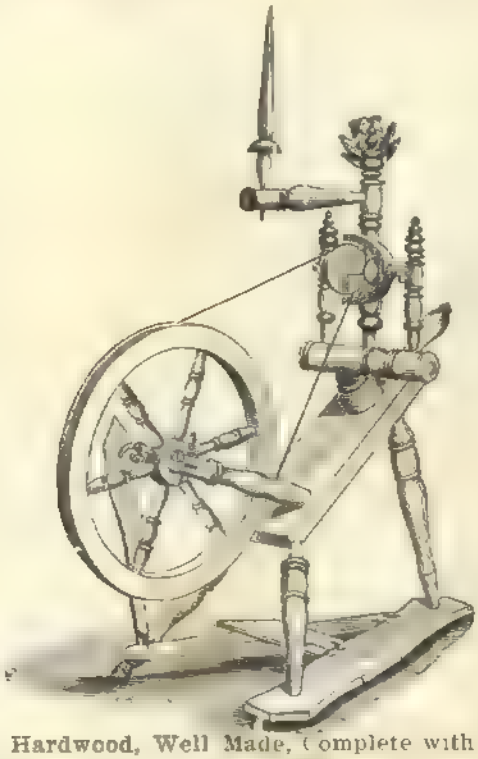


Per Dozen

No. 80—Little Jewel, Folding, All Steel, Green Enameled $3.00

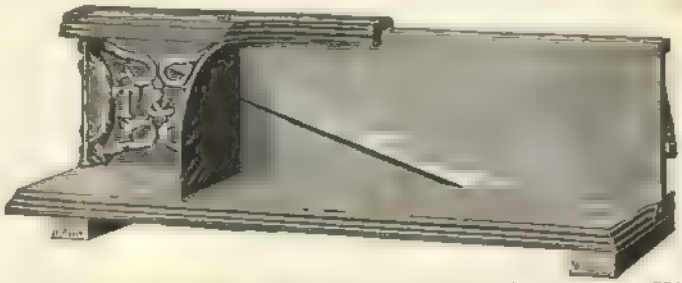
One Dozen in a Box.

Spinning Wheels.



	Each
No. 20—German Spinning Wheel, Hardwood, Well Made, Complete with 3 Spools	$5 00
	Per Dozen
Extra Spools—For German Spinning Wheels	$ 4 00
Extra Spindles and Pulleys—For German Spinning Wheels	10 00
Extra Wings—For German Spinning Wheels	6 00

Bread and Vegetable Slicers.



Each

No. 25—9x24 in., Polished Oak, Nickel Plated Castings, Adjustable, 17 in. Highly Tempered Steel Knife $5.00

Weight Each 17 Pounds.

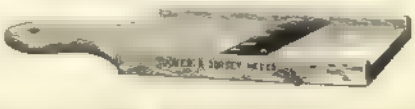
One in a Box.

Vegetable Cutters.

Per Dozen

No. 605—**Astor**, Corugated, Cold Rolled Steel Knife, Tinned, 4½ in. Wide, Hard Maple Frame $3.20

Weight Per Dozen 15 Pounds.



Per Dozen

No. 601 One Cast Steel Knife, Adjustable, 3½x12 in. White Maple Frame.. $2

Weight Per Dozen 8½ Pounds.

One Dozen in a Box.

Velocipedes.

Tinned Wheels, Black Enameled Frame, Adjustable Seat. Rubber Tires.

Nos.	70	71	72	73
Front Wheel, Inches	14	16	20	24
Rear Wheels, Inches	10	12	16	16
Each	$4.20	4.50	5.00	5.50
Steel Tires				
Nos.	20	21	22	23
Each	$2.20	2.30	2.80	3 20

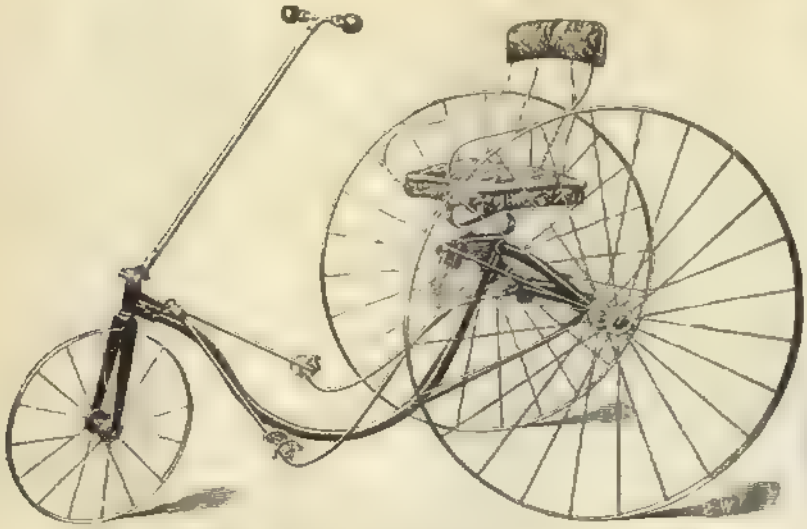
One-half Dozen in a Box K D

Ball Bearing, Frame and Wheels Enameled with Maroon Bicycle Enamel, Baked, Double Orange Stripe on Fork and Backbone, Fancy Head, Adjustable Nickel Plated Handle Bar, Adjustable Bicycle Saddle, Nickel Plated Seat Post, Bicycle Pedals and Diamond Faced Cranks, ¾ in. Rubber Tires.

Nos.	51	52	53
Front Wheel, Inches	16	20	24
Rear Wheels, Inches	12	14	16
Each	$12.50	13.00	13.50

One in a Crate, K D

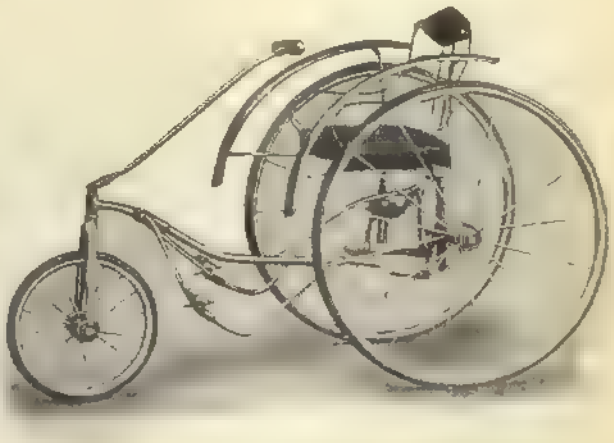
Tricycles.



Tinned Wheels, Black Enameled Frame, Adjustable Seat. Rubber Tires.

Nos.	40	41	42
Front Wheel, Inches	10	12	12
Rear Wheels, Inches	18	20	24
Each	$7.75	9.25	13.00

One-half Dozen in a Box K D



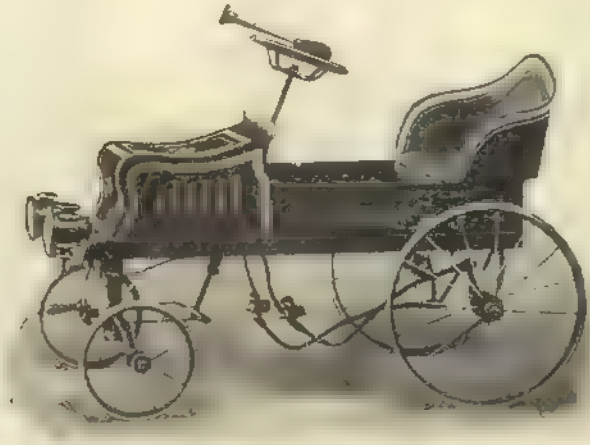
Ball Bearing, Yale Blue Baked Bicycle Enamel Finish Frame, Polished Before Enameling, Nickel Plated Arm Rests and Steering Handle, Natural Color Varnished Fenders, Polished Wound Leather Handle Grips, Spring Seat Post, Best Quality Imitation Leather Upholstery, ¾ in. Rubber Tires.

Nos.	118	120	122
Front Wheel, Inches	10	12	14
Rear Wheels, Inches	18	20	22
Each	$12.50	14.50	17.00

One in a Crate, K. D.

Automobiles.

FLYER.

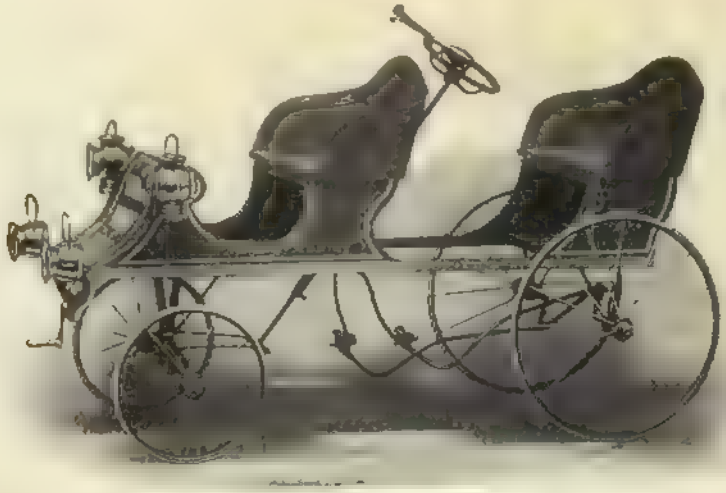


Flyer, All Steel, Special Auto Red Finish, Blue and Yellow Striping, Triple Beading on Seat and Body, Enameled Green Gears, Wheels Rubber Tired, Bronze Starting Crank, License Tag and Front Apron. **Without Lamps and Horn.**

Nos.	01	30
Size of Body, Inches	13x30	14x35
Front Wheels, Inches	8	10
Rear Wheels, Inches	14	16
Rubber Tires, Inches	⅜	½
Weight Each, Crated, Lbs	35	42
Each	$7.25	9.00

One in a Crate, K D.

TANDEM.



Tandem, All Steel Special Auto Red Finish, Gold and Fern Green Striping, Orange Yellow Panels, Triple Beading on Seats, Enameled Green Gears, Wheels Rubber Tired, Starting Crank, License Tag and Front Apron. **Without Lamps and Horn.**

Nos.	130
Size of Body, Inches	15x47
Front Wheels, Inches	12
Rear Wheels, Inches	18
Rubber Tires, Inches	½
Weight Each, Crated, Lbs	67
Each	$13.25

One in a Crate, K D.

Spice Cabinets.

Made of Steel, Heavily Nickel Plated and Polished, Air-Tight 3 Oz. Screw Top Jars for Spices, Fastened to Wall with Screws.

	Per Dozen
No. 6—6 Jar	$15.00
No. 9—9 Jar	24.00

Salt Boxes.

	Per Dozen
No. 5—6 in. Diameter, 5½ in. High Over All, Blue Decorated China, Wood Cover, Lettered Salt	$6.00

Cereal Jars.

	Per Dozen
No. 10—5½ in. Diameter, 6 in. High, 3½ in. Opening at Top, Blue Decorated China, China Cover, Lettered Sugar, Coffee, Tea, Rice and Oatmeal	$6.00

Chafing Dishes.

UNIVERSAL.

Nickel Plated, Cast Metal Legs, Base and Handle Sockets, Ebonwood Handles, Inside of Food and Water Pan Heavily Coated with Pure Tin.

	Each
No. 400N—Capacity 3 Pints	$14.50
No. 600N—Capacity 3 Pints	$13.75

Chafing Dish Grate Hangers.

UNIVERSAL.

Nickel Plated, Cast Metal Legs, Base and Handle Sockets, Ebonwood Handle Inside of Food and Water Pan Heavily Coated with Pure Tin.

	Each
No. 900N—Capacity 3 Pints	$16.50

	Each
No. 1X—Fits All Patterns of Universal Chafing Dishes	$0.65

By taking off Food and Water Pan and Hanging Grate inside the Frame of Chafing Dish, you have a perfect stove for heating Water, Coffee, Tea, or a Sad Iron.

Chafing Dish Spoons.

UNIVERSAL.

	Each
No. 400S—Silver Plated Spoon, Non-Heating Ebonwood Handle Length 11½ in.	$2 50

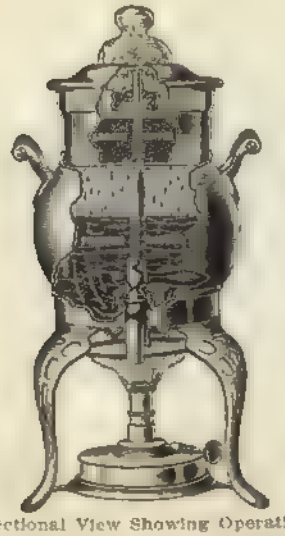
Chafing Dish Forks.

UNIVERSAL.

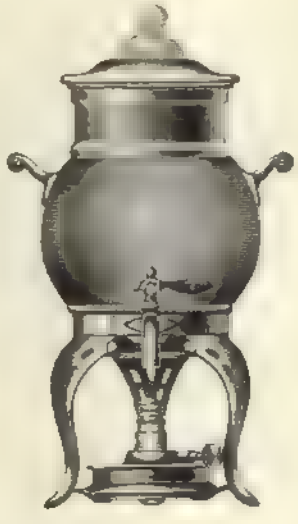
	Each
No. 400F—Silver Plated Fork, Non-Heating Ebonwood Handle, Length 11½ in.	$2 50

Percolating Coffee Machines.

UNIVERSAL.

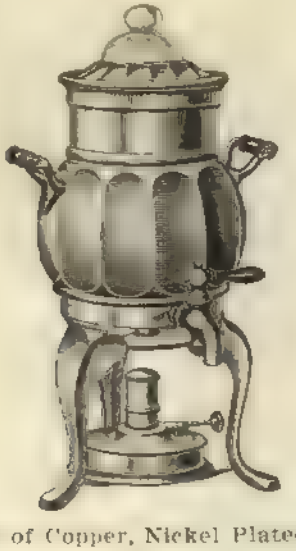


Sectional View Showing Operation.



One Piece Seamless Copper Body, Heavily Nickel Plated, Inside Carefully Coated with Pure Tin, Aluminum Spreader Plate, Tube and Valve, Interchangeable Parts.

Nos.	004	006	009
Pints	1½	3	4
Cups	4	6	9
Each	$9.25	10.50	11.75



Made of Copper, Nickel Plated, Ebonwood Handles Inside Heavily Coated with Pure Tin.

Nos.	406N	409N	Nos.	606N	609N
Pints	3	4	Pints	3	4
Cups	6	9	Cups	6	9
Each	$13.75	15.00	Each	$13.75	15.00

One in a Box

The Universal Percolating Coffee Machine makes Perfect Coffee free from the bitter taste caused by Boiling, and Retaining all the delicious, aromatic fragrance of the Coffee Bean, a healthful, appetizing beverage. In the Universal the action of the Automatic Pump forces the water through the tube, which is at first only lukewarm. As the water is gradually heated the Percolating Process is going on all the time, and the wholesome qualities of the coffee are extracted, and by the time the water has reached the boiling point, which seems necessary, to bring out the flavor and aroma, the Coffee is ready to serve.

There is no escaping steam by this process, as there is in all others, therefore the aroma is not lost. The water reaches the boiling point only at the last stage of the process, while in other machines the water is boiling all the time the process is going on.

Double Bitted Axes.

VULCAN.

Wisconsin Pattern.

Michigan Pattern.

Vulcan—Extra Quality Steel, Hand Made, Black Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

		Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.		$16.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs., 3½ to 4½ Lbs.		16.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs.		17.00

One Dozen in a Box.

Double Bitted Axes.

COLLINS' EBONITE.

Wisconsin Pattern.

Michigan Pattern.

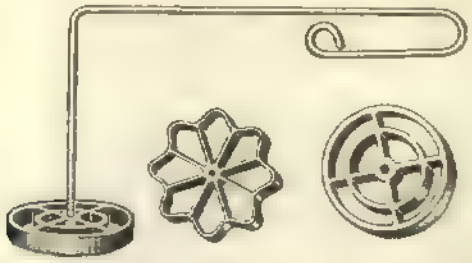
Collins' Ebonite—Extra Quality Steel, Inserted Tool Steel Bit, Gun Metal Finish, Wisconsin and Michigan Pattern.

WEIGHTS.

	Per Dozen
Group No. 1—Consisting of 3 to 4 Lbs., 3¼ to 3¾ Lbs.	$18.00
Group No. 2—Consisting of 3¼ to 4¼ Lbs., 3½ to 4 Lbs, 3½ to 4½ Lbs	18.50
Group No. 3—Consisting of 3¾ to 4¾ Lbs., 4 to 5 Lbs	19.00

One Dozen in a Box.

Rosette Irons.



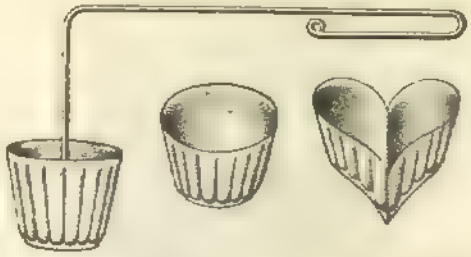
Per Dozen Sets

No. 1—Cast Iron, Bent Wire Handle. Always Cool, Complete Set, One Handle and Two Moulds $7.00

The Handle will not twist in the hands, points under bottom of moulds keeps the water from bottom of pan when left to fry.

One-twelfth Dozen Sets in a Box.

Timbale Irons.



Per Dozen Sets

No. 2—Cast Iron, Bent Wire Handle Always Cool, Complete Set, One Handle and Two Moulds $7.00

The Handle will not twist in the hands, points under bottom of moulds keeps the water from bottom of pan when left to fry.

One-twelfth Dozen Sets in a Box.

Rosette Pastry Bags.

Per Dozen

No. 3—Rosette Pastry Bags, Rubber, for Decorating $5.50

Rosette Decorating Tubes.

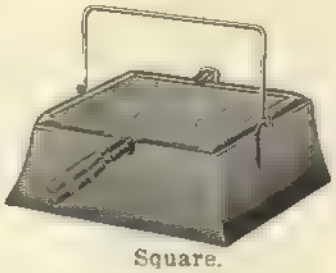
Per Dozen

No. 4—Rosette Decorating Tubes $1.50

Waffle Irons.

Round.

No.	5
Inches	10⅛x4
Weight Per Dozen, Lbs.	130
Per Dozen	$19.00



Square.

No.	6
Inches	9x9x3¼
Weight Per Dozen, Lbs.	121
Per Dozen	$19.00

Extra Finish.

Nos.	8	9
Fits Stoves, Nos.	8–9	9–10
Weight Per Dozen, Lbs.	84	108
Per Dozen	$16.00	18.00

These Waffle Irons have been designed especially for use on Gas and Gasoline Stoves, being equipped with Bails, makes them convenient to handle.

Cast Stove Hollow Ware.

TEA KETTLES.

Nos.	7	8	9	10
Weight Each, Lbs.	8	10	11	12
Each	$0.80	.90	1.00	1.25

HAM BOILERS.

Plain.

Nos.	8	9
Weight Each, Lbs	22	27
Each	$2.25	2.50

LONG PANS.

Shallow, Plain.

Nos.	8	9
Weight Each, Lbs.	6	8
Each	$0.60	.75

Deep, Plain.

Nos.	8	9
Weight Each, Lbs.	7	9
Each	$0.60	.75

CAST GEM PANS.

Per Dozen.

No. 1—Small Round, 11 Pans, 3 in., Weight Per Dozen 35 Lbs. $4.60

No. 2—Large Round, 11 Pans, 3¼ in., Weight Per Dozen 42 Lbs. 4.60

Per Dozen

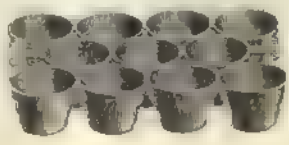
No. 6—Oblong, 12 Pans, 2x3 in. Weight Per Dozen 45 Lbs. $4.60

Per Dozen

No. 7—Oblong, 8 Pans, 2x3 in., Weight Per Dozen 40 Lbs. $4.60

Per Dozen

No. 8—Small Oval, 11 Pans 2¼x3 in., Weight Per Dozen 40 Lbs. $4.60



Per Dozen

No. 10 Deep Corn Cake, 11 Pans, 2¼ in. Deep, Wt. Per Dozen 64 Lbs. $6.00

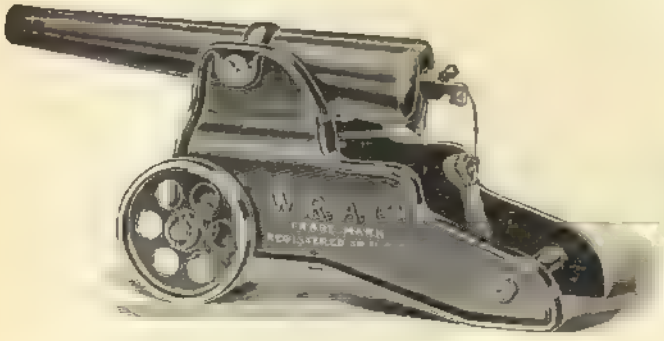
Liquid Pistols.

WIZARD.

	Per Dozen
Wizard 5 in. Long, Substantially Made, Fires and Recharges by Pulling the Trigger	$6.00
Extra Bulbs for Wizard Liquid Pistols	1.25

Winchester Breech Loading Cannons.

FOR SALUTING AND CELEBRATING.



	Each
No. 1 10 Gauge, 12 in. Cylinder Bored Blued Steel Barrel, Cast Iron Frame. Length Over All 17 in. Height 7¼ in., Width 7 in., Weight About 14 Lbs.	$7.00
No. 1000—Blank Shells, 10 Gauge, 8 Drams of Powder	per 100 $2.80

The Cannon is mounted on a cast iron carriage, which is supplied with two 3⅝ in. diameter wheels. The barrel and breech closure are proved and tested to withstand a much greater pressure than can be developed by any charge of black powder that can be loaded in a 10 gauge shell. The carriage and wheels are nicely japanned.

The Cannon is opened (1) by pushing down the hammer, (2) pulling up the breech bolt handle and (3) swinging over the breech bolt, thus exposing the chamber. The shell can then be inserted and the gun closed in the reverse order. The breech bolt is so constructed that the gun cannot be fired until it is closed. To fire the gun the hammer is pulled forward and a quick pull on a cord which is passed through the hole in the rear of the hammer or lug for that purpose. A powder extractor is provided for extracting the fired shell. The barrel can be raised or lowered by an elevating screw placed underneath it.

Target Pistols.

STEVENS' TIP UP.

Plain Walnut Grip Stock, Nickel Plated Frame, Open Sights.

	Each
No. 10—22 Caliber, 3 in Half Octagon Barrel, Blued Shoots 22 Short Rim Fire Cartridges, Weight 7 Oz.	$3.00

STEVENS' DIAMOND MODEL.

Long Plain Walnut Grip Stock, Nickel Plated Frame.

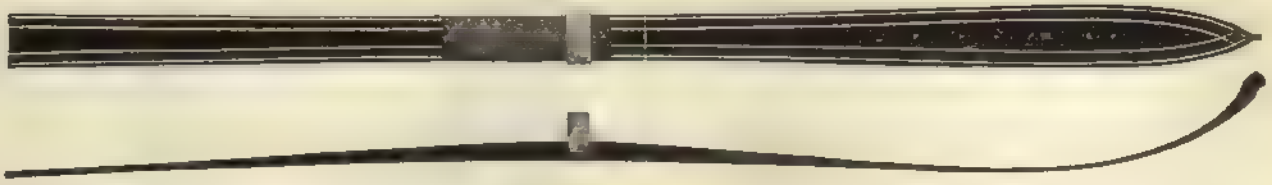
	Each
No. 1—22 Caliber, 6 in Half Octagon Barrel Blued, with Globe Front and Peep Rear Sights, Shoots 22 Long Rifle Rim Fire Cartridges, Weight 10 Oz.	$5.00
No. 2—22 Caliber, 6 in. Half Octagon Barrel, Blued, Open Sights, Shoots 22 Long Rifle Rim Fire Cartridges, Weight 10 Oz.	5.00

STEVENS' OFF-HAND TARGET.

Walnut Stock, Nickel Plated Frame, Single Trigger, Sporting Rear Bead Sight.

	Each
No. 34—22 Caliber, 6 in Round Barrel, with Octagon Breech, Shoots 22 Caliber Rim Fire Cartridges, Weight 1 Lb. 6 Oz.	$7.50
No. 34—22 Caliber, 8 in. Round Barrel, with Octagon Breech, Shoots 22 Caliber Rim Fire Cartridges, Weight 1 Lb. 8 Oz.	8 50
No. 35—25 Caliber, 6 in. Round Barrel, with Octagon Breech, Shoots 25 Caliber Stevens' Rim Fire Cartridges, Weight 1 Lb. 6 Oz.	7 50
No. 35—25 Caliber, 8 in Round Barrel, with Octagon Breech Shoots 25 Caliber Stevens' Rim Fire Cartridges, Weight 1 Lb. 8 Oz.	8 50

Skis.



Best Quality Selected Norway Pine, Natural Wood Finish, Fancy Stripes, Coated with Oil and Waterproof Varnish, Heavy Toe Straps, Rubber Foot Rests.

Nos.	4P	5P	6P	7P	76P	8P
Length, Feet	4	5	6	7	7½	8
Per Pair	$1.00	1.25	1.50	2.00	2.50	2.75

Best Quality Selected Maple, Beautiful Mahogany Finish, Fancy Grooved White Stripes, Heavy Toe Straps, Corrugated Rubber Foot Rests.

Nos.	4M	5M	6M	7M	7½M	8M
Length, Feet	4	5	6	7	7½	8
Per Dozen	$1.50	2.00	2.50	3.00	3.50	4.00

Best Quality Ash, Black Finish, Fancy Grooved White Stripes, Heavy Leather Toe Straps, Corrugated Rubber Foot Rests.

Nos.	7A	76A	8A
Length, Feet	7	7½	8
Per Pair	$4.25	4.75	5.25

The Level-Land Racer. Selected Straight Grained Ash Straight and Rabbeted Sides, Heavy Toe Straps, Corrugated Rubber Foot Rests

Per Pair

No. 96A—Length 9½ ft $6.00

Champion. Very Best Quality Straight Grained Second Growth Hickory, Black Finish, Fancy Grooved White Stripes or Natural Wood with Dark Stripes, Heavy Toe Straps, Corrugated Rubber Foot Rests

Nos.	7H	76H	8H
Length, Feet	7	7½	8
Per Pair	$5.50	6.00	6.50

Ski Poles.

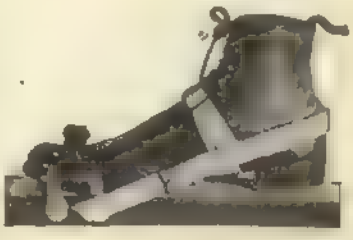
Each

Bamboo Ski Poles—With Flexible Washer. $0.60

Each

Hardwood Ski Poles—With Rigid Washer..... $0.60

Leather Bindings.

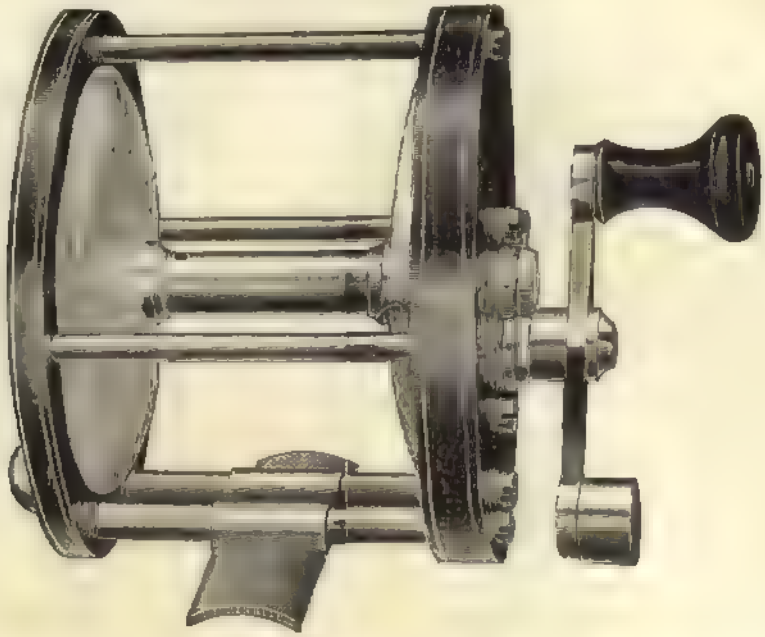


Per Pair

Leather Bindings — With Metal Side Plates..... $1.50

Fishing Reels.

MUSCALLONGE TROLLING, DOUBLE MULTIPLYING.



No. 4007.

Nickel Plated Frame, Rubber Plates, Steel Pivots, Steel Axle, Large Fancy Rubber Handle, with Click.

Plain Caps.

Nos.	4006	4007	4008	4009
Capacity Yards	150	200	250	300
Diameter of Disk, Inches	2 3/4	3 1/16	3 5/16	3 7/8
Per Dozen	$38.00	43.00	50.00	57.00

Jeweled Caps.

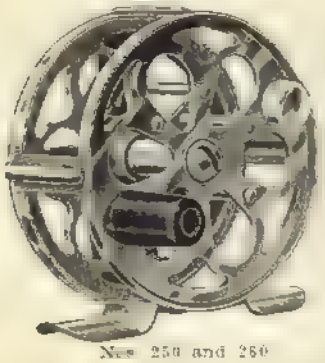
Nos.	4006J	4007J	4008J	4009J
Capacity Yards	150	200	250	300
Diameter of Disk, Inches	2 13/16	3 1/16	3 5/16	3 5/8
Per Dozen	$45.00	50.00	57.00	64.00

Made Extra Strong

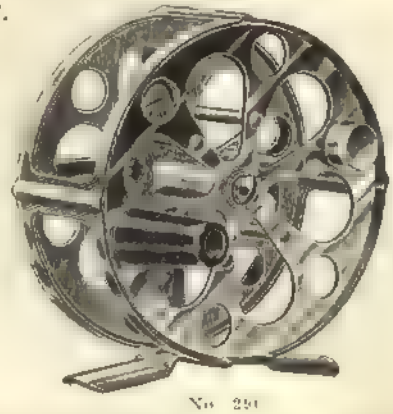
The Best Low-Priced Muscallonge Reel Made.

One twelfth Dozen in a Box.

FEATHERLIGHT.



Nos. 250 and 260



No. 290

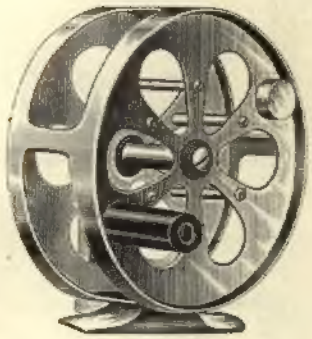
Single Action, Nickel Plated, with Back Sliding Double Pointed Steel Click and Steel Spindle, Removable Spool.

Nos.	250	260	290
Capacity Yards	40	60	100
Dimensions of Spool, Inches	1 3/4 x 3/4	2 1/4 x 3/4	3x1
Per Dozen	$11.40	12.25	18.00

No. 250 is Trout Size, No. [illegible] Bass Size, No. 290 Pickerel Size

Fishing Reels.

EXPERT.



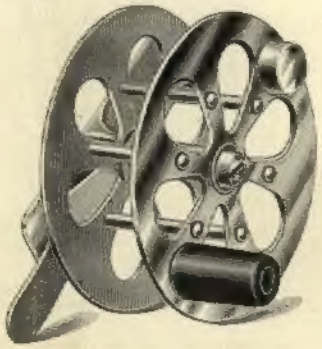
Single Action, Nickel Plated Brass, Riveted, Patented Compensating Pawl, Improved Back Sliding Click.

Nos.	19	17
Capacity, Yards	40	100
Diameter, Inches	2¼	3
Per Dozen	$24.00	30.00

No. 19, Trout Size; No. 17, Bass Size.

One-twelfth Dozen in a Box.

AMATEUR, TROUT.



Single Action, Nickel Plated, with Side Drag.

No.	8
Capacity, Yards	40
Diameter, Inches	2¼
Per Dozen	$4.50

This Reel attaches to Side of Rod and is a very good low priced Trout Reel.

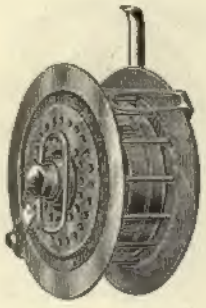
One-twelfth Dozen in a Box.

MARTIN'S AUTOMATIC.

Each

No. 2A—Automatic and Free Running, Aluminum Drum, Steel Spring Controlled by Finger Lever, Diameter of Spool 2¾ in., Weight 8 Oz., Capacity 75 ft. of H Line.....$6.00

YAWMAN & ERBE.

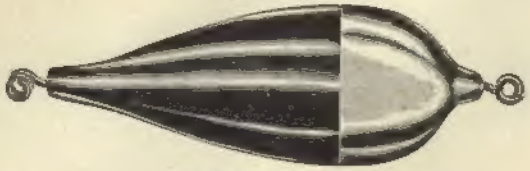


Style. B.

Each

No. 20—New Style **Combination Automatic and** Free Running, Made of Aluminum, Diameter 3⅝ in., Weight 11 Oz., Capacity 300 ft. No. 5 Silk Line and Winds Automatically 90 ft. without Rewinding.....$8.00

Floats.



Cut Shows 2½ in.

No. 201—Patent Adjustable, Egg Shape, Assorted Colors.

Inches	1¾	2	2½
Per Gross	$3.00	3.50	4.00

Three Dozen in a Box.

Cut Shows 1½ in.

No. 700—Cork, Unbound, Egg Shape, Assorted Colors.

Inches	1½	2	2½	2¾	3
Per Gross	$6.00	9.50	14.00	17.00	22.00

One Dozen in a Box.

Cut Shows 2½ in.

No. 800—Cork Bound, Barrel Shape, Assorted Colors.

Inches	2½	3	3½	4
Per Gross	$9.00	12.00	15.00	18.00

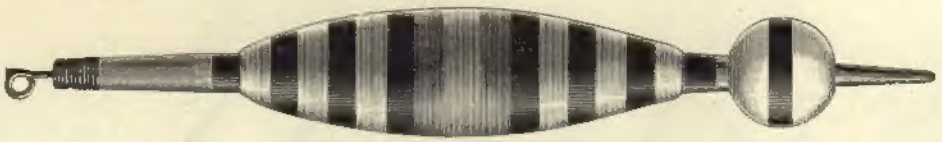
One Dozen in a Box.

Cut Shows 2 in.

No. 600—Sneck Head, Cork, Assorted Colors.

Inches	2	2½	3	3½	4
Per Gross	$8.00	9.75	12.25	16.25	20.00

One Dozen in a Box.

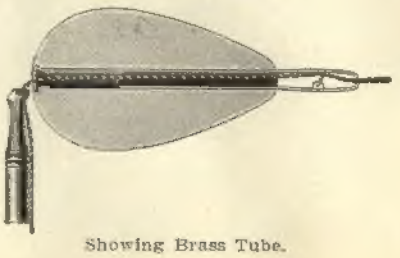


Cut Shows 2¾ in.

No. 900—Zebra, Ball Top, Barrel Shape, Cork, Fancy Striped, Assorted Colors.

Inches	2¼	2¾	3½
Per Gross	$14.50	18.00	23.00

One Dozen in a Box.



Showing Brass Tube.

No. 50—Bristol Automatic, 2¼ in. Egg Shape, Brass Tube, Through which Line Passes, with Patent Snap Setting Device..... Per Dozen $2.00

Two Dozen in a Box.

ON THE SKYLINE OF NEW YORK

THE development of the garden roof apartment is best expressed in two extraordinary apartments of 19 and 15 rooms, in 856 Fifth Avenue and 775 Park Avenue, respectively.

The first overlooks Central Park; it occupies the two top floors with an observatory above; ceilings are as high as 13 feet; there are wide windows on all sides; a grand stairway with a twenty-five foot stairwell; a great roof garden; six log-burning fireplaces, and every detail to make this an adequate establishment. Two passenger elevators double the usual standard of service.

In 775 Park Avenue the outstanding apartment is the garden roof triplex, with separate masters' and service stairways and a private elevator. High ceilings, six log-burning fireplaces, and a roof garden supplement the attractiveness of large rooms, masterfully arranged.

Both of these apartments are open for inspection. Other suites in 856 Fifth Avenue, comprising 14 rooms and covering an entire floor, are also available. In 775 Park Avenue simplex suites of 9, 11 and 14 rooms, and duplex suites of 12 rooms are available.

775 Park Avenue is completed and largely occupied. 856 Fifth Avenue will be completed in the Fall.

These 100% cooperative buildings, built on long term leaseholds, are sold free and clear of mortgage. The purchase price represents 100% equity. The maintenance is moderate and includes a plan to refund the purchase price from the accumulation of a sinking fund . . . These apartments are especially worthy of your interest.

MICHAEL E. PATERNO · BUILDER

Warren & Wetmore and Rosario Candela, Architects for 856 Fifth Avenue, Shreve & Lamb, Supervising Architects for tenant-owners, Rosario Candela, Architect for 775 Park Avenue; Mrs. George Draper, President of The Architectural Clearing House, Inc., Consultant

856 FIFTH AVENUE

CORNER OF 67TH STREET

on the site of the residence of the late Judge Gary

775 PARK AVENUE

CORNER OF 72ND STREET

Representatives on Premises, or

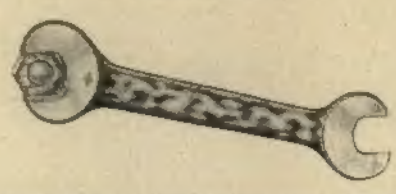
14 EAST 47th STREET

BROWN, WHEELOCK, HARRIS, VOUGHT & CO., INC.

Telephone VANDERBILT 0031

WRENCHES

CHECK NUT



15 Degrees Angle, Double Head, Drop Forged Steel, Milled Openings, Finished

Nos.	624	626	628	630	632
Length, Inches	4 5/8	5 1/2	5 1/2	6 7/8	8 1/2
For U. S. Standard Nut Size Bolt, Inches	1/4 & 5/16	1/4 & 5/16	5/16 & 7/16	3/8 & 1/2	7/16 & 7/16
Opening, Inches	3/8 & 7/16	3/8 & 7/16	7/16 & 7/16	7/16 & 5/8	5/8 & 3/4
Thickness, Inches	5/32 & 5/32	5/32 & 5/32	7/32 & 7/32	1/4 & 1/4	5/16 & 5/16
Each	$0.30	.40	.40	.50	.70

Nos.	634	636	638	640
Length, Inches	8 1/2	10 3/8	12 5/8	12 5/8
For U. S. Standard Nut Size Bolt, Inches	1/2 & 5/8	5/8 & 3/4	5/8 & 7/8	3/4 & 1
Opening, Inches	7/8 & 1 1/16	1 1/16 & 1 1/4	1 1/16 & 1 7/16	1 1/4 & 1 5/8
Thickness, Inches	5/16 & 5/16	5/16 & 5/16	5/16 & 5/16	5/16 & 5/16
Each	$0.70	.90	1.30	1.30

EXTRA PIPE JAWS FOR WRENCHES

YANKEE

By the use of Yankee Pipe Jaws any ordinary Pattern Monkey Wrench may be quickly transformed into a Pipe Wrench; the Jaws are easily attached, and when adjusted will not slip.

Showing Jaws attached to Wrench; also Jaws alone

Forged from Tool Steel, Tempered and Polished, Milled Teeth, Adjustable Steel Thumb Screws

	Per Dozen
No. 1—For All Standard Wrenches, 15 to 21 in., Length 3 5/8 in., Width 3/4 in., Thickness 1/8 in., Weight Per Dozen About 5 Lbs.	$5.90
No. 3—For All Standard Wrenches, 6 to 15 in., Length 3 1/8 in., Width 5/8 in., Thickness 1/8 in., Weight Per Dozen About 3 1/2 Lbs.	5.30

One-half Dozen on a Display Card; Size of Card 6 in. Wide, 9 1/4 in. Long

CHAIN PIPE WRENCHES

VICTOR REVERSIBLE

Wrought Steel Handle, Drop Forged Jaws, Perfectly Tempered, Hand Made Flat Link Chain

Nos.	11	12	13
Takes Pipe, Inches	1/8 to 1 1/2	1/4 to 2 1/2	3/4 to 4
Length, Inches	19 1/2	28	38 1/4
Length of Chain, Inches	13 1/2	17 1/2	22 1/2
Breaking Strain, Lbs.	6700	9800	12500
Weight Each, Lbs.	4 3/4	9	17 1/2
Each	$3.50	5.00	7.00
	4.00	6.00	8.00

Open Stock